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Seattle Pacific University Catalog 2007-2008

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About Seattle Pacific University

“Seattle Pacific University seeks to be a premier Christian University fully committed to engaging the culture and changing the world by graduating people of competence and character, becoming people of wisdom and modeling grace-filled community.”

– Mission Statement Seattle Pacific University

ENGAGING THE CULTURE, CHANGING THE WORLD

With a long and distinguished history in Christian higher education, Seattle Pacific University entered the new century positioned to engage the culture and influence the world for good. At a time when the legacy of the secularized modern university is under scrutiny, Seattle Pacific provides more than 3,800 students with a high-quality, comprehensive education grounded on the gospel of Jesus Christ. This combination of vital scholarship and thoughtful faith is a powerful one that brings about lasting change in the lives of our graduates, and in the people and communities they serve.

Located just minutes from downtown Seattle, the leading urban center in the Pacific Northwest, SPU is committed to engaging and serving in the modern city, cultivating a global consciousness, supporting the church, and addressing the crisis of meaning in our culture. These, we believe, will be some of the Christian university's most important contributions in this century.

Guiding the work of Seattle Pacific University are these three preeminent goals:

We seek to graduate people of competence and character. At SPU, each student is profoundly important. We focus our curriculum and resources on shaping graduates who will be effective and positive change agents in the world. This means that we work to prepare individuals who understand their own giftedness, who are both liberally educated and skilled in their chosen field, who exhibit honesty and integrity, and who value serving others.

We seek to become people of wisdom. As a university, SPU believes that one vital means of transforming lives is through ideas: ideas that matter; ideas that can bring light and understanding where there is darkness and confusion; and ideas that lead to wisdom. We support our faculty in the pursuit of this kind of scholarship, and we educate our students to become thinking Christians who are able to speak clearly and intelligently about their convictions.

We seek to model a grace-filled community. As we serve our students and commit ourselves to the life of the mind, we believe our best work is done in community. In our life together at Seattle Pacific, we strive to treat each other and all people with respect, kindness and care. Recognizing and respecting differences among individuals, our goal is to become examples of grace, forgiveness, and civility in a culture that is too often polarized and contentious. [\[Back to top\]](#)

STATEMENT OF FAITH FOR SEATTLE PACIFIC UNIVERSITY

Faith and Mission

At Seattle Pacific University, we seek to ground everything we do on the transforming gospel of Jesus Christ. Such a claim is both personal, a commitment by each member of our community, and institutional, a corporate aspiration that has guided this institution from its founding. Even while we celebrate the rich diversity of the church throughout the world, we anchor our faith on the person of Jesus Christ, the authority of holy Scripture, and the tradition of the Christian church throughout history.

Our mission at Seattle Pacific University is to engage the culture and change the world, through competence, character, wisdom, and community. We believe our faith in Jesus Christ is the informing and sustaining power through which we fulfill this distinctive calling.

Our position of faith within the Christian Church is shaped in four ways:

1. We Are Historically Orthodox. We affirm the historic Christian faith, as attested in the divinely inspired and authoritative Scriptures of the Old and New Testaments, and as summarized, for example, in the [Apostles' Creed](#) and [Nicene Creed](#). We affirm that God is triune, and that the three divine Persons — the Father, the Son, and the Holy Spirit — are coequal, coessential, and coeternal. We affirm that by the grace and power of God, the universe was brought into being, is continually sustained and governed, and will ultimately be brought to its promised consummation. We affirm, further, that we human beings are created by God in God's own image to be stewards of creation, and that we are called to love God with all our heart, soul, mind, and strength, and to love others as ourselves. In these divinely appointed tasks we have failed, so that we are now subject to judgment and death. Yet we rejoice that God's grace is available to us through the life, death, and resurrection of Jesus Christ; and that through faith in Christ we are delivered from sin and death and empowered by the Holy Spirit for lives of joyful obedience to the Father. Finally, we respond to the Spirit's call to participate in Christ's body, the Church; to embrace Christ's mission to the world; and to live in the hope and assurance that Christ's return will bring to completion God's saving work.

2. We Are Clearly Evangelical. We stand within the broad evangelical tradition of Christianity and, as such, we joyfully accept the task of proclaiming the evangel — God's good news — to the world. We understand this to mean that Jesus Christ is the Lord and Savior of the world and that he alone can liberate broken and fallen human beings from sin and death. We lift high the authority of holy Scripture as divinely inspired, embraced by the Church as central to our understanding and witness. We affirm that the Holy Spirit works in human hearts to kindle faith in Jesus Christ, to restore people to a right relationship with God and each other, and to begin transforming people into the likeness of Christ. And we believe the gospel promise that light, health, wholeness, and peace are abundantly available to everyone who asks. Yet we also believe that we are called to practice what we preach: first, by cultivating vital Christian piety; and second, by engaging the surrounding culture through public testimony and loving service.

3. We Are Distinctively Wesleyan. Standing within the Wesleyan holiness branch of historic and evangelical Christianity, and recognizing the Free Methodist Church as our founding denomination, Seattle Pacific University is informed by the theological legacy of [John Wesley](#) and [Charles Wesley](#). We share their conviction that God's saving purpose is the renewal of human hearts and lives in true holiness through the transforming work of the Holy Spirit. We are shaped by their emphasis on the importance of the human response to the Spirit's renewing work, including the vital role of the spiritual disciplines and practices — such as prayer, meditation, worship, Scripture study, charitable giving, public witness to Christ's saving love, and service to those in need — all of which serve as means of God's grace. Above all, we embrace the Wesleys' hope that God's transforming love is offered to all persons, addresses all areas of life, and will not rest content until it has redeemed the whole creation.

4. We Are Genuinely Ecumenical. As heirs of John Wesley's catholic-spirited Christianity, we seek to gather persons from many theological and ecclesial traditions who have experienced the transforming power of Jesus Christ. We believe that theological diversity, when grounded in historic orthodoxy and a common and vital faith in Christ, enriches learning and bears witness to our Lord's call for unity within the church. We are also well aware of other dividing walls that separate people from one another, walls that Christ desires to break down — walls of gender, race, ethnicity, nationality, language, and class. We believe that Christ calls us to value diversity and to seek ways for all persons in our University community to grow in their individual giftedness and to contribute in meaningful ways to our common life and work. Thus, in all of our diversity, we are centered in Christ, and called by him to shape, model, and participate together in grace-filled community.

Therefore, we commit ourselves to this faith, and to these shaping influences that define our community of faith, and we pledge ourselves, with humility and conviction, to live as best we know how in loving relationship with Jesus Christ and in faithful service to others. This we believe to be the defining center of our lives and the guiding aspiration of our life in community at Seattle Pacific University.

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OUR EDUCATIONAL PHILOSOPHY

A Vital Learning Community

We are a Christian university that prizes learning and seeks to be a vibrant learning community that grounds its intellectual activity in learning theory. Our faculty and staff are committed learners and are committed to mentoring learners. We are convinced that the best learning occurs within a relational context of the teacher, student, and subject matter, and we therefore prize the relationships between faculty, staff, and students.

We are committed to learning for cultural engagement. We seek to rigorously investigate the critical issues of our time and to offer thoughtful and Christian insight to these issues. We believe these issues can be investigated through a variety of academic disciplines; however, they cannot be fully understood through only one discipline. Therefore we are committed to interdisciplinary learning — learning that explores these critical issues through several disciplinary lenses in order to come to a clear view of the issue.

We are a learning community and all that we do is intended to support learning. Therefore our work with student life, residence life, student leadership, campus ministries, athletics, lectures, and symposia are all intended to contribute to learning along with the curriculum.

An Integrated Curriculum

As a comprehensive university, we offer learning opportunities in the humanities, arts, sciences, and professions, and all of our programs are grounded in the liberal arts. The liberal arts include particular content areas but also imply a style of education that seeks to develop critical thinking, analytical thinking, and communication skills.

Research indicates that students do not see the connections between general education, majors, and their future. Through a three-part curriculum, we seek to integrate general education with the major in ways that help students make the connections.

We begin with a commitment to a very distinctive Christian [Common Curriculum](#). In the first quarter of their freshman year, SPU students are enrolled in [University Seminar](#), an intensive exploration of a special interdisciplinary topic. Twenty to 25 students enroll in each course to form a cohort and attend other freshman classes in the Common Curriculum together. Their University Seminar professor serves as their first-year academic advisor. The relationship between students in the cohort and their professor are intentional and support our belief that the best learning occurs within a relational context.

In their freshman, sophomore, and junior years at Seattle Pacific, students participate in two parallel sequences of required courses. Cumulative and developmental in nature, these classes are designed to support and enhance students' learning in the majors.

The University Core sequence explores key human questions in three classes titled Character and Community; The West and the World; and Belief, Morality, and the Modern Mind. The University Foundations sequence looks at the basics of faith in Christian Formation; Christian Scriptures; and Christian Theology. A capstone senior course in the student's major adds application and personal calling to the picture.

Learning Outcomes

Our learning outcomes are our educational goals for our students and are directly derived from our University's mission statement. Following are the outcomes we seek for our undergraduate students:

Competence

SPU graduates will articulate discipline specific knowledge and apply essential skills enlivened by the liberal arts.

- Demonstrates knowledge of Christian narrative and beliefs.
- Demonstrates knowledge in disciplinary field.
- Integrates liberal arts and disciplinary knowledge.
- Applies knowledge, inquiry, and critical-thinking skills in problem solving.
- Demonstrates a global perspective.
- Communicates effectively.

Model Grace-Filled Community

SPU graduates will cultivate a life of friendship, civility, and community through responsible discourse and respect for each other.

- Demonstrates interpersonal skills necessary for effective personal and professional relationships.
- Engages with diverse others.

Character Formation

SPU graduates will embody personal and professional integrity by serving the public good in doing what is right and doing so with an awareness of consequences.

- Reflects upon ideas and actions through the lens of Christian faith and ethics.
- Balances interests of self, others, and the community in pursuit of the common good.

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OUR CHRISTIAN COMMUNITY

Christian Faith Exploration

Study in a Christian university provides a unique opportunity to explore answers to life's ultimate questions. While honoring the diversity of the members of our campus community, Seattle Pacific University embraces the commitment that all faculty, staff, and students will explore the meaning and implications of the Christian faith for our academic disciplines, our personal and corporate lives, and for the complex issues we face in our society and world. This commitment integrates academic programs with residential and campus life, personal and corporate reflection, co-curricular activities, and community service. Programs contribute to our vision to be a grace-filled community that nurtures people of competence and character, cultivates the scholarship of wisdom, and equips people to engage our culture with the gospel of Jesus Christ. For more information regarding the theology and programs, see SPU's [University Ministries](#) (formerly Campus Ministries).

Commitment

Our campus community is enriched by the diverse faith traditions within our student body, and is therefore committed to honoring and respecting these traditions. We are also committed to the life-transforming gospel of Jesus Christ. Therefore, we seek to do the following:

- Develop outstanding curricular and co-curricular Christian faith exploration and discipleship programs that contribute to the fulfillment of our mission and vision as a Christian university.
- Give all students the opportunity to explore the meaning and implications of the Christian faith while at the same time honoring the diversity of our student body.
- Encourage students' responsibility for their own spiritual accountability.
- Provide abundant opportunities for the development of an informed and thoughtful faith, a vibrant worship life, engagement in a grace-filled community life, holistic discipleship, and culture-engaging local and global service.
- Facilitate students' growth in leadership abilities through student-led programs.

Program Opportunities

All-Campus Convocations

All-campus convocations are a rich and vibrant tradition at Seattle Pacific University. Beginning with Opening Convocation at the start of the academic year and extending to Graduation in the spring, these events provide an opportunity to celebrate together as a community and to reflect together through the seasons of the academic year.

Worship

Worship is a vital component of our life as a grace-filled Christian academic community. Though participation in worship services is not required, and students are encouraged to participate in churches from their own traditions, a broad variety of opportunities are available on campus. Corporate worship provides the opportunity for our community to worship together; to grow in our understanding and appreciation of the rich variety of Christian worship traditions; and, through faculty, staff and guest speakers, to provide opportunities for growth in discipleship, leadership, and service.

Students, faculty and staff can participate in different weekly worship services, including:

- [Morning Chapel](#). A worship service using various worship styles, usually led by the student Chapel Worship Team, with outstanding faculty and guest speakers.
- [group](#). A late-night, celebrative, student-led worship service with outstanding faculty and guest speakers.
- [Morning Prayer and Communion](#). An early-morning liturgical service of prayer and Holy Communion.

Faith/Learning Forums

Faculty, students and guests lead weekly [Faith/Learning Forums](#) that address various contemporary topics from the perspective of the Christian faith. These often follow a debate or panel format with time for questions and answers.

Small-Group Fellowship and Discussion Groups

- [Cadres](#). Faculty and staff lead more than 20 discussion groups each week with students. Some explore insights the Christian faith brings to contemporary issues; others gather around a particular interest of the participants. Many of these groups meet within specific academic departments and examine in depth the relationship of the Christian faith, academic disciplines, and vocations.
- [Hall Fellowships and SMC-Led Studies](#). More than 40 student ministry coordinators (SMCs) serve in the residence halls to provide support and encouragement. The SMCs lead or facilitate prayer, Bible study, and discipleship groups on each floor of the residence halls.
- [Sharpen](#). The Sharpen ministry facilitates discipleship groups and mentoring relationships for commuter and campus apartment residents.

Local Community Service

Service is basic to leadership, life in society, and Christian discipleship. Therefore, all students are expected to engage in community service. This can be done in many different ways:

- Leadership in campus-based organizations
- Participation on a student-led [Urban Involvement](#) team, serving a variety of Seattle-area community agencies
- Service through [Latreia](#), a referral resource connecting SPU students to community service needs around Seattle
- Participation in service-learning projects as part of academic coursework
- Leadership in a church or parachurch group

Global Community Service

[SPRINT](#) (Seattle Pacific Reach Out International) is a student-led program to encourage cross-cultural education, service, and global awareness. During academic breaks, more than 15 teams of students engage in cross-cultural service-learning programs across the United States and in more than a dozen countries such as Honduras; Mexico; Brazil; South Africa; Jackson, Mississippi; Nampa, Idaho; Malawi; China; the Dominican Republic; Ecuador; and Russia. Prior to departure, students receive training and upon return participate in extensive debriefing and reflection.

SPRINT also offers opportunities for students to receive academic credit for trips, when working with a faculty member to ensure educational and ministry goals.

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Christian Faith Exploration Requirement

Visit [University Ministries](#) (formerly Campus Ministries) for information about the current Christian Faith Exploration requirement.

Admissions

Seattle Pacific University admits students with academic characteristics that predict their success in the University programs to which they seek enrollment and who exhibit personal qualities that indicate a contribution to the mission of the University.

In line with its original charter, SPU admits students without discrimination as to race, color, nationality, creed, age, or sex. A strong college preparatory program in high school is recommended and prepares students for success at the university level. In addition to academic ability, such factors as intellectual curiosity, goals, leadership, responsibility, personal and social adjustments, Christian commitment, and a desire to serve the community are considered.

Depending on space available, a waitlist process may be required to manage the entering class. Admission to the ACCESS program may be granted to applicants who have a demonstrated need for study-skills assistance. Admission to the University does not automatically constitute admission to the particular program or school in which a student wishes to study.

Specific admission requirements are located in each academic program section in this *Undergraduate Catalog*. Seattle Pacific University reserves the right to admit or re-admit any student at its discretion.

You're Invited to Visit the Campus

Words and pictures provide impressions of Seattle, but to fully appreciate it, you must see Seattle in person.

The same is true for Seattle Pacific University. Located in a quiet residential neighborhood, SPU's campus is parklike, combining the latest technology and buildings with longstanding traditions. It's a premier campus only a few minutes from Seattle's bustling, cosmopolitan city center.

College students agree that a [campus visit](#) is the best way to discover whether a university is a good match. So we make it easy.

A visit can include transportation to and from commercial carriers (small fee), overnight accommodations and discount hotel rates for parents. Meals on campus are provided for student visitors, as are campus tours. There are several opportunities for students to schedule a visit:

Junior Preview. Junior Preview occurs in the spring and offers high school juniors an in-depth look at life on campus. This special weekend event is an opportunity for students to attend classes, meet professors, spend the night on campus in the residence halls, and attend information workshops and athletic/social events.

Senior Preview. This weekend event occurs once in the autumn and once in the winter. It is a special opportunity for high school seniors to attend classes, meet professors, spend the night on campus, and participate in community activities.

SPU Fridays. On special SPU Fridays, small groups of prospective students receive the red-carpet treatment with a personalized itinerary.

Transfer Visit Afternoons. Attend one of several afternoon programs, and take a campus tour, eat dinner with current students, and learn about the admissions and financial aid process.

Individual Visit. If you can't attend one of the organized events, we will be happy to schedule a personal visit for you on another day. Campus tours are offered twice daily.

To [arrange a visit](#) to Seattle Pacific University, give us a call at 206-281-2021 or 1-800-366-3344 toll free. We'll take care of the details. [\[Back to top\]](#)

APPLICATION FOR ADMISSION

General Instructions for All Applicants

Students interested in applying for admission should request admission materials early by contacting [Undergraduate Admissions](#) or visiting the [Web site](#).

Applications are available [online](#). Paper application are mailed upon request. Application materials for admission must meet the following dates for each respective quarter:

All Materials Must Be Received By:	
February 1, 2008	Autumn 2008
November 15, 2008	Winter 2009
February 15, 2009	Spring 2009
May 15, 2009	Summer 2009

Each applicant is responsible for providing all items required with the application, including a \$45 nonrefundable application fee. All records submitted for admission become the property of SPU and are considered a part of the student's official file and permanent record.

Students desiring financial aid and scholarship consideration should file the Free Application for [Federal Student Aid \(FAFSA\)](#) with the federal processor as soon as possible after January 1 and submit all application materials before February 1. Need-based financial aid award decisions (grants, loans, and student employment) for students who meet these deadlines are processed beginning the second week in March. Merit scholarships (not based on need) are awarded on a rolling basis beginning mid-January. Further information and instructions for financial aid applications may be obtained from [Student Financial Services](#). [\[Back to top\]](#)

Procedures for Students Entering Directly From High School

1. **Application:** Complete the Seattle Pacific University [Undergraduate Admission Application](#) and send to Undergraduate Admissions early in the seventh semester (first semester of the senior year) along with the \$45 application fee and the three required essays.
2. **High School Transcript:** During the first semester of the senior year, arrange for an official transcript to be sent by the high school last attended. Applicants are also responsible to request that their eighth-semester grades be forwarded upon graduation.
3. **SAT or ACT exams:** Take either the College Board Scholastic Aptitude Test ([SAT-I](#)) (SPU code 4694) or the American College Test ([ACT](#)) (SPU code 4476) and submit scores to SPU.
4. **Recommendations:** Applicants should request an academic recommendation from a teacher or counselor familiar with their academic qualifications and a personal recommendation from a minister, youth leader, employer, or professional associate. (Use forms included with application materials.)

Procedures for Transfer Students

1. Complete the application for undergraduate admission.
2. Transfer students who have completed fewer than 45 transferable quarter credits or 30 semester units after graduating from high school must submit an official high school transcript and SAT or ACT scores with their application.
3. Send official transcripts from all colleges previously attended.
4. Students who have earned (prior to matriculation at SPU) an approved associate of arts degree (transfer program) from a Washington, Oregon, or California community college or from Central Christian College of Kansas will enter with all University Core and Exploratory Curriculum requirements fulfilled, including the foreign language proficiency requirement.* (See the listings at the end of this section for specific degrees accepted under this agreement.) Most students who have earned an approved Direct Transfer degree enter with 90 credits and junior class standing. However, courses that do not meet SPU's minimum grade policies will not be transferred. Further, SPU standards will be applied in transfer of credit for recognized test programs (AP, IB and CLEP), and scores must be submitted directly from the testing agency.

5. All transfer students should review the Transfer Student section below for further information on SPU's transfer policies.
6. Running Start students should follow the process for high school students.

**Completion of an associate degree will not exempt students from foreign language requirements within a major or minor.*

Associate degrees from Washington state community colleges that transfer directly to SPU to fulfill University Core and Exploratory Curriculum requirements include the following:

Bellevue Community College, *Associate in Arts and Sciences*
 Big Bend Community College, *Associate in Arts and Sciences*
 Cascadia Community College, *Associate in Integrated Studies*
 Centralia College, *Associate in Arts, Associate in Liberal Arts*
 Clark College, *Associate in Arts*
 Columbia Basin Community College, *Associate in Arts and Sciences*
 Edmonds Community College, *Associate of Arts, Option I*
 Everett Community College, *Associate in Arts and Sciences, Option II*
 Grays Harbor College, *Associate in Arts*
 Green River Community College, *Associate in Arts*
 Highline Community College, *Associate of Arts, Option A*
 Lower Columbia College, *Associate in Arts and Sciences, Plan B*
 North Seattle Community College, *Associate of Arts, Associate of Science*
 Northwest Indian College, *Associate of Arts and Sciences*
 Olympic College, *Associate in Arts and Sciences, Option A*
 Peninsula College, *Associate of Arts or Associate of Arts, Honors*
 Pierce College, *Associate in Arts and Sciences*
 Seattle Central Community College, *Associate of Arts, Associate of Sciences*
 Shoreline Community College, *Associate in Arts and Sciences, Option A*
 Skagit Valley College, *Associate in Arts, University and College Transfer*
 South Puget Sound Community College, *Associate of Arts*
 South Seattle Community College, *Associate of Arts, Associate of Science*
 Spokane Community College, *Associate of Arts*
 Spokane Falls Community College, *Associate of Arts*
 Tacoma Community College, *Associate in Arts and Sciences, Option A*
 Walla Walla Community College, *Associate in Arts*
 Wenatchee Valley College, *Associate in Arts and Sciences*
 Whatcom Community College, *Associate in Arts and Sciences*
 Yakima Valley College, *Associate of Arts*

The Associate of Science degree Option 1 and Option 2 are also accepted in transfer to SPU. However, these programs do not automatically fulfill University Core and Exploratory Curriculum requirements. Each program is evaluated depending on the student's intended major at Seattle Pacific University by Student Academic Services.

The associate degree from Oregon that transfers directly to SPU to fulfill University Core and Exploratory Curriculum requirements is the Uniform Oregon Associate of Arts degree.

Students transferring from California junior colleges must complete the IGETC (Intersegmental General Education Transfer Curriculum) and an associate degree in order to transfer to SPU with University Core and Exploratory Curriculum requirements fulfilled. [\[Back to top\]](#)

Early Action for 2008-2009

The Early Action program at Seattle Pacific University is a nonbinding agreement for students who place SPU among their top choice schools. Early Action candidates must submit their [completed application](#) by November 15, 2007, and will receive notification in early January 2008.

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Washington State Running Start Program

Accepted students who have completed college-level coursework under Washington state's Running Start Program will be awarded transfer credit, up to a maximum of 90 credits. They should follow the same admission procedures for students entering directly from high school, plus submit an official community college transcript. The transfer courses must be described in the catalog of an accredited Washington state community college and must

be posted on an official college transcript. Students who are currently in the Running Start program and have not yet graduated from high school will be considered for high school scholarships, regardless of the number of credits earned. [\[Back to top\]](#)

Homeschooled Students

SPU recognizes that greater numbers of students are receiving instruction at home instead of through a traditional high school program. Homeschooled students are required to submit application materials as stated for all students. In addition, students should submit a copy of their reading list, and information regarding the curriculum used in their homeschool program. While interviews are not required, they may be helpful. Some homeschooled students may be required to submit a G.E.D. Admission for homeschooled students will depend heavily on test scores, writing ability, and academic curriculum. [\[Back to top\]](#)

Early Admission

Qualified students may enroll at SPU prior to completing all required units in high school. Only those students highly recommended for Early Admission will be considered. Such students should rank among the top students in their class and have high SAT/ACT scores. Requirements include evidence of completion of junior year in high school, outstanding high school record and test scores, and a letter of recommendation from the high school principal approving early college admission and concurrent high school completion at SPU. Evidence of high school completion (high school transcript with graduation date or G.E.D.) is required in order to receive financial aid. Contact [Undergraduate Admissions](#) for details. [\[Back to top\]](#)

Advanced Placement/CLEP/International Baccalaureate

Matriculated students at Seattle Pacific University may earn up to 45 quarter credits through University-recognized testing and advance credit programs. Recognized testing programs are limited to the following: Advanced Placement Testing Program (AP), College Level Examination Program (CLEP), International Baccalaureate (IB), National Council Licensure Exam for Registered Nurses (NCLEX), and SPU's Credit by Examination. Credits are awarded from only official score reports and using SPU's awarding criteria. Awarding criteria may change from year to year. Students will be granted credit based on the criteria in effect during the catalog year the student enters the University. Examination credits, plus community college and unaccredited college credits, cannot exceed 90 quarter credits. Credits are evaluated for Exploratory Curriculum requirements at the time a student enters SPU in accordance with the following policies:

Advanced Placement

The following is a list of AP tests and their acceptance at SPU. A score of 3, 4, or 5, unless otherwise noted on the [AP exam](#), will award the student the number of credits listed. If students believe courses may also fulfill major requirements, they may contact the appropriate department for their review.

<u>AP Test</u>	<u>Credits</u>	<u>Exploratory Curriculum</u>	<u>SPU Acceptance</u>
Art-Drawing	5	AHA/AHC	ART 1102
Art-General	5	AHA/AHC	Arts and Humanities
Art-History	5	AHA/AHC	Arts and Humanities
Art 2-D Design	not accepted		
Art 3-D Design	not accepted		
Biology	5 (score: 4 or 5)	NSA	BIO 2101
Calculus-AB	5 (score: 4 or 5)	MA	MAT 1225
Calculus-BC	10 (score: 4 or 5)	MA	MAT 1225, 1226
Chemistry	5 (score: 4)	NSB	CHM 1211
Chemistry	5 (score: 5)	NSB	CHM 1211 and 1212
Computer Science-A	5 (score: 4 or 5)		CSC 1230
Computer Science-AB	5 (score: 3)		CSC 1230
	10 (score: 4 or 5)		CSC 1230 and 2430
Economics-Micro	5	SSB	ECN 2101
Economics-Macro	5	SSB	ECN 2102
Environment Science	5 (score: 4 or 5)	NSA	BIO 1100
Government and Politics: Comparative	5	SSB	POL 2320
Government and Politics: U.S.	5	SSB	POL 1120
Language-Composition**	5		Elective course
Literature-Composition**	5	AHB/AHC	Arts and Humanities
History-American	5	SSB	History elective
History-European	5	SSB	History elective
History-World	5	COR2	History elective
Human Geography	5	SSB	Social Sciences
French-Language	5 (score: 3)		FRE 1103*
	10 (score: 4)		FRE 1103*
	15 (score: 5)		FRE 1103*
French-Literature	5	AHB/AHC	Arts and Humanities
German-Language	5 (score: 3)		GER 1103*
	10 (score: 4)		GER 1103*
	15 (score: 5)		GER 1103*
Latin-Vergil	5 (score: 3 or 4)		LAT 1103*
	10 (score: 5)		LAT 1103*
Latin-Literature	5	AHB/AHC	Arts and Humanities
Music-Literature	5	AHA/AHC	Arts and Humanities
Music-Theory	5	AHA/AHC	MUS 1101
Physics-B	5	NSB	PHY 1101
Physics-C Mechanics	5	NSB	PHY 1121
Physics-C Electric	5	NSB	PHY 1123
Psychology	5	SSA	PSY 1180
Spanish-Language	5 (score: 3)		SPN 1103*
	10 (score: 4)		SPN 1103*
	15 (score: 5)		SPN 1103*
Spanish-Literature	5	AHB/AHC	Arts and Humanities
Statistics**	5	MA	MAT 1360

*Consult with the Languages Department for placement.

**Minimum credit-granting score for these tests will be "4" beginning in autumn 2008.

International Baccalaureate

The following is a chart of [international baccalaureate](#) higher level subjects and their acceptance at SPU. Unless otherwise noted in the chart, a score of 5, 6, or 7 will earn the student the number of credits listed. If students believe credit for an exam may also fulfill major requirements, they may contact the appropriate academic department for a review. No credit will be awarded for standard level exams.

Recommended IB Equivalents

<u>IB Course</u>	<u>Credits</u>	<u>Exploratory Curriculum</u>	<u>SPU Acceptance</u>
Biology	5	NSA (score 6 or 7)	Biological Sciences
Business and Management	5		elective only
Chemistry	5	NSB (score 6 or 7)	CHM 1211
Classical Languages	5 score 5		*
	10 score 6		*
	15 score 7		*
Computer Science	5		elective only
Design Technology	5		elective only
Economics	5	SSB	ECN 2101
English A-1	5	AHB/AHC	Arts and Humanities
Geography	5	SSB	Social Sciences
History	5	SSB	Social Sciences
Islamic History	5		HIS 3720 (no W credit; lower division)
Language A	5 (score 5)		*
	10 (score 6)		*
	15 (score 7)		*
Language B	5 (score: 5)		*
	10 (score: 6)		*
	15 (score: 7)		*
Mathematics	5		elective only
Music	5		elective only
Philosophy	5		elective only
Physics	5	NSB (score 6 or 7)	Physical Sciences
Psychology	5	SSA	PSY 1180
Social and Cultural Anthropology	5	SSA	ANT 2250
Theatre	5	AHA/AHC	Arts and Humanities
Visual Arts	5	AHA/AHC	Arts and Humanities *

**Consult with the academic department regarding placement or major requirements.*

CLEP

Students who have completed CLEP exams with minimum scores in the 50th percentile (C grade range) may receive 5 quarter credits for most of the exams offered. An up-to-date listing of credit offered for CLEP tests is available on the [Online Equivalency Guide](#). [\[Back to top\]](#)

TRANSFER STUDENT INFORMATION

Students Entering From Regionally or ABHE Accredited Colleges and Universities

Students desiring admission to Seattle Pacific University from another regionally accredited institution, or an institution accredited by the Association for Biblical Higher Education (ABHE), will follow the procedures for transfer students. All records submitted for admission become the property of SPU and are considered a part of the student's official file and permanent record. Failure to submit transcripts from all institutions attended, including

high school (if pertinent), may result in dismissal from the University. Advanced standing will be determined on the basis of the credentials submitted by the candidate. In every case, however, the following conditions will apply:

1. A transfer student must be in good standing at all prior institutions attended.
2. Transfer students who have successfully completed 45 quarter credits from an accredited institution at the time of application may not be required to take the American College Test (ACT) or the College Board Scholastic Achievement Test (SAT-I).
3. It is the student's responsibility to ensure that final official transcripts reflecting coursework subsequent to admission are received by SPU. The absence of final coursework will affect the student's class standing, eligibility for financial aid, and progress toward degree completion.
4. The average grade in all courses accepted for advanced standing from each school must be C (2.0) or higher. This means that for every grade of D accepted there must be another grade of at least B or its equivalent for an equal number of credits. Exception: For ABHE accredited institutions, no grade below C (2.0) will be accepted. No grade below D (1.0) will be accepted from any institution.
5. Transfer associate degrees earned after matriculation at SPU will not be recognized toward fulfillment of the Exploratory Curriculum, University Core requirements, or the foreign language proficiency requirement.
6. A combined total of not more than 90 credits will be accepted from all two-year colleges, approved test programs (AP, CLEP, and IB) and unaccredited schools. Existing Washington, Oregon, and California community-college associate degree transfer agreements will be honored as they apply to Exploratory Curriculum requirements.
7. No more than 45 credits will be accepted from approved testing programs (AP, CLEP, and IB).
8. Credits in excess of 20 in any one term will not be transferred. This includes courses taken concurrently by media, correspondence, or extension at more than one institution, as well as non-credit courses.
9. An undergraduate transfer student is required to earn a minimum of 45 credits in residence at SPU, including no fewer than 15 upper-division credits in his or her major (more, if specified by the major), to be eligible for a degree. See individual majors for additional degree requirements.
10. One-credit courses, except physical education (PE) activity, applied music, and selected computer courses, ordinarily are not transferable.
11. No more than 3 credits of PE activity coursework and/or varsity sports will be transferred from all transfer institutions combined. [\[Back to top\]](#)

Students Entering From Regionally Unaccredited Institutions

While the absence of accreditation raises questions concerning the nature and quality of an institution's programs, SPU recognizes that institutions may not seek accreditation for a variety of reasons related to mission, sponsoring entity requirements, etc. SPU will, therefore, review credentials from unaccredited institutions at the student's request. An official transcript and copy of the unaccredited institution's catalog must accompany a written request for review.

If SPU determines that the institution's credits are acceptable, specific credits may be transferred with the following limitations and conditions:

1. Only college-level academic courses will be transferred. Vocational, technical, and practicum courses will be transferred only with faculty approval.
2. To be accepted a course must have a grade of C (2.0) or better.
3. Only courses of at least 2 quarter credits will transfer (except physical education, selected computer, and applied music).
4. The cumulative GPA of transferable courses must be 2.0 or better (on 4.0 scale).
5. Courses may be applied toward Exploratory Curriculum or University Core requirements if course content is comparable to that of SPU courses that fulfill these categories.
6. A maximum of 15 credits in biblical studies/theology/church history may be accepted by the University as elective credits only. No credits may be applied to University Foundations requirements.
7. Application of credits to major requirements is a determination made by faculty in the individual discipline.
8. The maximum number of credits transferred, when combined with credit for community college courses and testing programs, will not exceed 90.

Except as outlined above, the conditions for students entering from accredited colleges will apply. A student transferring from an unaccredited college may be required to present acceptable scores on either the College Board Scholastic Aptitude Test (SAT-I) or the American College Test (ACT). [\[Back to top\]](#)

Transfer Student University Foundations Requirements

Credits earned at a recognized, accredited institution in areas offered by Seattle Pacific University will usually be accepted without discount. Students who have earned, prior to matriculation at SPU, an approved direct transfer associate degree (Washington, Oregon, and California community college transfer program or Central Christian College of Kansas) are considered to have completed the Exploratory Curriculum and University Core (but not University Foundations) requirements, as well as the foreign language and mathematics proficiency requirements of SPU. Most students who enter with an approved direct transfer degree will be awarded 90 credits and junior class standing. Most transfer students are exempt from the English Placement Test. For possible exemptions, see Student Academic Services' FAQ on [Math and English Testing](#).

SPU considers the [University Foundations](#) requirements to be at the heart of its approach to higher education. Therefore, each transfer student is expected to complete these requirements at SPU. Transfer students with junior or senior standing upon admission will complete 10 credits in Foundation studies with 5 credits in UFDN 3001 Christian Scriptures, followed by 5 credits in UFDN 3100 Christian Theology. Each transfer student with freshman or sophomore standing upon admission will complete the full 15-credit requirement by completing UFDN 1000 Christian Formation, UFDN 2000 Christian Scriptures, and UFDN 3100 Christian Theology.

If a transfer student has taken Bible or theology courses at a member institution of the Christian College Consortium, up to 10 credits may be accepted toward the fulfillment of the University Foundations requirement. Transfer of credit towards Foundation requirements from any other regionally accredited Christian college or ABHE-accredited Bible school may be granted only by petition process. **Note:** In all cases, students must complete at least 5 credits of coursework in the [School of Theology](#) (UFDN or THEO discipline) at Seattle Pacific University. (UFDN 3100 Community Bible Study may not be used to fulfill this requirement.) [\[Back to top\]](#)

International Students

The goal of the international student program is to provide educational opportunities for qualified students from a variety of cultural backgrounds. SPU seeks to admit students who would most benefit from the distinctives of the institution. International students must submit the [International Admissions Application](#). Students desiring to enter directly from a U.S. high school, college, or university must also file the International Admissions Application. In addition to an application and academic transcripts, international students should submit the following items:

1. Submit a [TOEFL](#) score of 550 minimum (213 on the computer-based test or 80 on the iBT/Next Generation TOEFL exam).
2. Provide an official confidential statement of financial support in U.S. dollars (such as an official bank statement) covering each year of intended enrollment, and supply an Affidavit of Support.
3. Submit two recommendations and three essays (use the [International Admission Application](#) for forms).

Students who intend to enter directly from schools in foreign countries must have a grade point average equivalent to a 3.0 in the grading system used in this University. The Test of English as a Foreign Language (TOEFL) is required of all non-native English speaking international students. Graduates of high schools in countries where the school system provides for less than 12 years of instruction before college are expected to complete at least 12 years of schooling in their own country before being admitted to SPU. Students may receive college credit for A-level exams if their marks are very high. Students may meet the SPU English proficiency requirement for admission by completing the ACE language program and receiving a full recommendation from the [American Cultural Exchange Program](#) (ACE) on the SPU campus prior to admission to SPU. Students who receive a full recommendation from ACE are not required to submit a TOEFL score. [\[Back to top\]](#)

Non-Matriculated International Students

Undergraduate international students may take no more than 45 credits toward a degree before being formally admitted to the University, and post-baccalaureate students are limited to 15 such credits. Non-matriculated students (those who have not been formally admitted to the University) are expected to submit an acceptable official TOEFL score (a minimum score of 550 for the paper version of the test or 213 for the computer-based test or 80 on the iBT/Next Generation TOEFL exam) to Student Academic Services, and must pay for their courses at the point of registration. Students seeking to enroll in courses at SPU while attending another institution must also submit a letter of permission from their host institution. SPU welcomes international students and encourages them to seek full admission to the University at the earliest opportunity. [\[Back to top\]](#)

U.S. Residents and Citizens Who Are Non-Native English Speakers

Students whose first language is not English and who wish to enter SPU directly from high school or to transfer from another institution must demonstrate English proficiency. This may be demonstrated in a number of ways, including submitting a satisfactory Scholastic Aptitude Test (SAT-I) Verbal score or TOEFL score.

To Accept an Offer of Admission

Applicants will receive a letter of their acceptance/denial to the University. To accept an offer of admission, follow these steps:

1. **Advance Payment.** A \$200 advance payment is the student's acknowledgment of intention to enroll. This payment should be submitted online through the [Office of Undergraduate Admissions](#) website. This guarantees a place in the entering class and allows the student to register for classes. This payment is credited to the student's account and is applied toward the initial tuition payment. The advance payment should be submitted on or before May 1, the national candidates' reply date. Refunds are granted upon written request, but written requests must be received before May 1.
2. **Housing Registration.** All students, upon admission to the University, will be mailed detailed housing materials, including information on the housing application process and room reservation deposit.
3. **Health Record.** Along with the notification of admission, each student will receive a medical health history form, to be completed and returned to [Health Services](#). This medical history is required of students who are (1) entering SPU for the first time, (2) returning after an absence of more than one calendar year, or (3) have previously attended Summer Session(s) but are entering regular University classes for the first time. Health insurance is available to all matriculated students. Insurance information is available in Student Financial Services and [Health Services](#).

All international students are required to enroll in the University Student medical insurance plan. Any exceptions to this requirement are subject to the approval of the Health Center. Proof of comparable coverage from a provider based in the United States or an acceptable reciprocal agreement is necessary for waiver approval.

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Application for Re-Admission

If a student has been away from SPU for fewer than nine quarters after completing courses as a matriculated student, that student is still considered an "active" student at SPU. He or she may register for classes at SPU without completing paperwork for undergraduate admissions. Any transfer work completed during the student's absence must be submitted to Student Academic Services. The student will be responsible to complete the same degree requirements as expected upon his or her first quarter of matriculation at the University. An associate degree completed while a student is considered "active" at SPU will not be recognized.

Students who would like to re-enroll after nine quarters (two years) have passed must submit all new application materials. The Office of Undergraduate Admissions will inform the student if additional credentials need to be submitted. Admission will be governed by the policies regulating the admission of the level the student is reactivating under (a student who was admitted to SPU out of high school and is reactivating after attending another institution is now considered a transfer student.) Undergraduate and post-baccalaureate students who have interrupted their study at SPU for more than two calendar years will graduate under the requirements listed in the *Undergraduate Catalog* current at the time of re-entry. Class standing will be recalculated to include all credits earned and transfer credits accepted prior to readmission.

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ACCESS Program

The ACCESS program is offered to students who would benefit from additional personal and academic support during their first year at SPU. This program provides individualized academic support, monitoring, and advising. Additionally, students may be advised into and have priority registration for academic study strategy courses GS1001 and GS2003. Participation in the [ACCESS program](#) may be an expectation for some students upon admission or may be a voluntary option. The charge for three quarters of participation is \$300. Questions about the program can be directed to the [Center for Learning](#) at 206-281-2475. [\[Back to top\]](#)

Disability Student Services

The University assists with program access through a variety of services for students with disabilities. Any student requiring special assistance should contact [Disability Support Services](#) in the Center for Learning at 206-281-2272 to make arrangements for an intake interview to determine the level of assistance needed. Students are required to provide documentation of the nature of their disability at that time. [\[Back to top\]](#)

Entrance Programs Once Students Accept Admission

New Student Advising and Registration Program (NSARP)

All new undergraduate students, including transfer students, receive initial advisement and register for classes as part of NSARP before the first quarter of matriculation. NSARP is a one-day program that provides students with the opportunity to confer with an advisor about the selection of classes, register for classes, receive an official University ID card, and make financial arrangements. Once students have completed the program, they will be prepared to go through New Student Orientation.

Orientation of New Students and Families

New Student [Orientation](#) sessions are held each quarter. Autumn Quarter orientation includes four days of orientation to the academic and social community of SPU. Brief orientation sessions are offered Winter Quarter and Spring Quarter. All of these sessions are designed to help new students prepare for the academic, spiritual, and social life at SPU. They also offer opportunities for students to become better acquainted with the University and its programs of study, and to meet faculty and classmates. Attendance at orientation is required and provides students with the essential information for a successful transition to University life. [\[Back to top\]](#)

Post-Baccalaureate Admission

Students who have been awarded a baccalaureate degree and wish to complete a second undergraduate degree may apply through Undergraduate Admissions. Students should contact Undergraduate Admissions for the [Post-Baccalaureate Admission Application](#). Required materials for admission consideration include a completed and signed Post-Baccalaureate Admission Application, \$45 application fee, one letter of recommendation addressing character and academic ability, an official copy of the final transcript from the institution that granted the baccalaureate degree (showing the granted degree), any additional transcripts showing post-baccalaureate work, and a response to the essay question found in the application for admission. While SPU may recognize a bachelor's degree from a school that holds accreditation from the ABHE (Association for Biblical Higher Education), the state of Washington does not recognize these institutions when issuing teaching certificates. Therefore, post-baccalaureate students admitted to SPU from institutions that are not regionally accredited must complete an additional bachelor's degree or a master's degree along with the teacher certification program if they wish to obtain teacher certification for the state of Washington.

Note to SPU graduates: SPU graduates do not need to submit a letter of recommendation. Only transcripts reflecting work at other institutions must be submitted.

Costs and Financial Aid

Undergraduate Costs and Financial Aid

2007–08 Tuition and Fees

Financial Arrangements and Services

Refunds and Account Adjustments

Financial Aid

Undergraduate Costs and Financial Aid

Seattle Pacific University is committed to providing high quality Christian education at a reasonable price. This is achieved through a dedicated faculty who provide nationally recognized excellence without primary regard for personal remuneration; administrative staff who work continually to provide needed services with greater efficiency; and trustees, alumni, churches, and other friends of the University who provide necessary financial support.

All expenditures related to educational and support activities are carefully planned and budgeted. The trustees, University president, and other administrators are committed to a high level of stewardship in the handling of all of Seattle Pacific's financial resources, with a goal of maintaining financial stability for current and future students.

All programs and policies at the University are under continual review. Therefore, SPU reserves the right to change its financial aid awards, policies or charges at any time without previous notice. After the beginning of a quarter, however, no change will be made that is effective within the quarter. Every student is presumed to be familiar with the payment schedules and other financial policies and procedures published in this *Undergraduate Catalog*. Financial assistance, including scholarships, grants, student employment, and various types of loans, is available to qualified students on a limited basis and is described in detail in this *Catalog*.

Student Financial Services is responsible for providing service to students regarding tuition and fees, payments on accounts, financial aid, student employment, and other financial assistance. While every effort has been made to provide helpful and understandable explanations of the University's fees and financial policies, students may still have questions from time to time and staff is prepared to assist. The goal of the staff is to provide helpful, friendly service to all inquirers. It is the hope of Seattle Pacific University that students will not only have exceptional educational experiences, but they also will feel that same commitment to excellence and service throughout all of the support areas of the institution.

2007–08 Tuition and Fees

In addition to direct instructional costs, Seattle Pacific University's tuition covers a wide range of student and academic support services, including guidance services and social activities. Other student benefits include admission to all University athletic events and participation in intramural activities. All tuition, fees, and other charges stated in this publication are payable in U.S. dollars (\$US). The following charges do not apply to graduate, doctoral, or Summer Session courses. The fees for graduate, doctoral, and summer courses are published in separate catalogs or bulletins.

Autumn 2007–Spring 2008

Per quarter for courses numbered 0000–4999

1–11 credits, per credit	\$689
12–18 total credits	\$8,261
Additional per credit hour over 18	\$689
Tuition for arranged courses	regular rates apply
Tuition for auditing courses	regular rates apply

Advance Payments

Admitted students should reserve their place at SPU by submitting their \$200 advance payment on or before May 1, 2007 (National Candidate's Reply Date). This payment is required from all students prior to registration.

Administrative, Course, Student Services, Medical Insurance, and Other Special Program Fees

For specific classes with fees, refer to the [2007–08 Time Schedule](#) and/or revision listings.

Administrative and Special Fees

Application fee	\$45
If received after deadline	\$60
Matriculation fee	\$50
<i>A student who has been admitted to the University and subsequently registers for courses is considered a matriculated student. A matriculation fee of \$50 is assessed only once, at the time of an admitted student's initial registration. This fee covers the costs associated with maintaining students' academic files over the duration of their stay at Seattle Pacific. A student's academic file may contain admission records, transcripts, and evaluations of the coursework from other institutions, academic appeals, graduation check sheet, etc.</i>	
Change of registration fee	\$50
<i>Students are expected to be registered for the next quarter by the last day of finals. Students may lose their opportunity to return if they are not registered by the deadlines. A late registration fee of \$50 may be charged for late registration.</i>	
Official transcript fee	\$5
Teacher certification fee (paid to the state of Washington)	\$25
Technology fee, per quarter 12+ credits	\$38
1–9 credits	\$4 per credit
<i>This fee is used to offer new software, upgrade classrooms, and improve technology support to students, faculty, and labs.</i>	
ASSP Fee, per quarter 12+ credits	\$77
1–11 credits	\$5 per credit
<i>The ASSP fee provides for student-led social, cultural, and educational programming and ministries, student services, student publications, and opportunities for leadership and involvement through the Associated Students of Seattle Pacific (ASSP).</i>	
Parking fee, per quarter*	\$50
Emerson residents, per quarter	\$70
SPU ID card replacement fee (for lost/stolen/damaged card))	\$20
Temporary SPU ID replacement card fee	\$5
ACCESS program fee	\$300

*Any vehicle maintained, owned, or operated by an SPU student or employee must be registered with the [Office of Safety and Security](#) if it is to be parked on SPU's campus, including city streets. [Registration/application forms](#) are available online or in person. Any changes in parking status must be reported to Security within 10 days of the change by calling 206-281-2922. Parking refunds are calculated in accordance with the tuition-refund policy. Please be aware that if you are completely withdrawing from the University, you must inform Safety and Security to be eligible for a refund of your parking fees.

Music

Individual instruction fee

For non-majors (per credit)	\$125
For majors only (1 or 2 credits)	\$125
Piano class instruction fee (two periods weekly), per quarter	\$75
Voice class instruction fee (two periods weekly), per quarter	\$75
Theory lab fee, per quarter	\$25

Nursing

Clinical practicum fee (selected courses), per credit hour	\$75
National Background Check (not charged by SPU)	\$40
Comprehensive Testing Program \$125 per year, junior, and senior years	
<i>This fee includes an NCLEX review course.</i>	

Special Examination Fees

Credit by examination or challenge fee

Per-course examination fee	\$100
Per-credit-hour fee	\$40
Internship fee, per quarter	\$75
Penalty for late changes of internship	\$70

Other Course Fees

Certain courses have additional costs associated with them such as skiing, mountain climbing, some psychology labs, music composition, and math courses. These courses, with their applicable fees, are listed in the [2007–08 Time Schedule](#) and/or revision listings.

Medical Insurance Fees

[Health Services](#) offers basic medical services for students. To provide complete health care coverage, the University recommends that all students review their current plan to determine if their current insurance will cover them out of their home area. The University offers information on a [medical insurance plan](#) for accidents and illness, which is available to all enrolled undergraduate students (and their families). The University recommends this medical coverage to cover unanticipated expenses that could otherwise interrupt educational endeavors. Enrollment, benefit summary information, and applications for this voluntary plan are available in Health Services and in Student Financial Services.

All international students are required to enroll in the [University International Student Medical Insurance Plan](#). Any exceptions to this requirement are subject to the approval of Health Services.

Waivers may be obtained in Health Services only and must be completed prior to the 10th day of the quarter to ensure appropriate coverage enrollment. Any changes in coverage (i.e., addition or deletion of spouse or child) must be submitted prior to the 10th day of the quarter.

Student Services Fees

Education placement files

Teacher, school counseling, and administrative placement file fees are paid every placement year (November–October) in which a file is actively used. Initial registration fee waived for interns the year they become certified.

Mailing credits for prepayment of first-class file mailings are as follows:

Education Placement Files

Teaching/school counseling placement files <i>Excludes fax or special handling, which will incur additional costs.</i>	\$6 per mailing
Administrative placement files <i>Excludes fax or special handling, which will incur additional costs.</i>	\$11 per mailing
Re-activation fee <i>If a placement fee is not used during any given placement year(s), a reactivation fee of \$5 will be charged (placement file year is from November to November).</i>	\$5
Psychological testing Administration, interpretation, and counseling with regard to aptitude, skills, personality analysis, and placement based on actual costs of materials and scoring.	variable
Career testing	\$20
Counseling Center services (per session)	variable

Health Services

Residential students fees included in room and meal plan charges	
Commuter students	\$25 per quarter on first visit
Tests and pharmaceuticals based on actual costs of materials, special procedures, and equipment.	

Senior Citizen Program

In keeping with the goal of service, SPU has a program that offers tuition-free and technology-fee-free courses to persons 65 years of age or older. Senior adults of this age bracket may attend on-campus undergraduate classes as auditors or for academic credit. They may take courses in special interest areas and/or complete a bachelor's degree. The only limitation to the program is the availability of space in particular classes. Registration for senior citizens who use this program commences on the second day of the quarter.

Those wishing to apply work toward a degree must formally apply to the [Office of Undergraduate Admissions](#). Non-matriculated students need only register at Student Academic Services. The Senior Citizen Program does not cover course-related fees.

Special Study Programs

Students enrolled in special study programs (e.g., [European Quarter](#), [Latin American Studies](#), and [American Studies](#)) need to make special financial arrangements. As soon as students receive their study-tour packets from the faculty tour organizer, they should consult the study-tour representative in [Student Financial Services](#). The representative will work with the student to establish an appropriate payment schedule and determine if financial aid is in order so those students may meet the tour departure date. Study tours must be paid in full prior to departure.

Room Charges, Per Year

Ashton, Hill, and Moyer Residence Halls

Requires purchase of Platinum, Gold, Silver, Bronze, or Copper meal plan each quarter.

Double Room	\$4,368
Triple Room	\$3,768

Emerson Residence Hall

Requires purchase of Platinum, Gold, Silver, Bronze, or Copper meal plan each quarter.

Single room — private bath	\$6,873
Single room — shared bath	\$6,456
Double room — private bath	\$6,051
Double room — shared bath	\$5,637
Triple/quad room — shared/private bath	\$5,226

Robbins Apartments

One- or two-person unit	\$5,436
Four-person unit	\$4,581

Campus Houses and Apartments (including Theme Housing)

No meal plan requirement except for one Block 25 in Theme Housing.

One- or two-person unit	\$5,838
Three-or-more-person unit	\$4,791

Meal Plan Charges, Per Year

Platinum	\$3,714
Gold and Copper	\$3,549
Silver	\$3,345
Bronze	\$3,276
Block 50 (50 meals in Gwinn)	\$361*
Block 25 (25 meals in Gwinn)	\$200*
Advantage Points	Minimum \$15 purchase*

**Blocks and points are priced per purchase and may be renewed at students' discretion.*

Expenses for 2007–08 Full-Time Undergraduates Living On/Off Campus*

	Per Quarter	Per Year
Tuition	\$8,261	\$24,783
ASSP and technology fee (mandatory fees)	\$115	\$345
Room and Meal Plan (traditional residence-hall double with Platinum meal plan)	\$2,694	\$8,082
Textbooks, supplies, average loan fee (for student-loan borrowers), and transportation average cost	\$1,209	\$3,628
Total	\$12,279	\$36,838

*Estimated.

Expenses for 2007–08 Full-Time Undergraduates Living With a Parent/Relative*

	Per Quarter	Per Year
Tuition	\$8,261	\$24,783
ASSP and technology fee (mandatory fees)	\$115	\$345
Room and Board	\$970	\$2,910
Textbooks, supplies, average loan fee (for student-loan borrowers), and transportation average cost	\$1,043	\$3,130
Total	\$10,389	\$31,168

*Estimated.

FINANCIAL ARRANGEMENTS AND SERVICES

Registration

SPU uses the [Banner Information System](#) to process registration materials and complete financial arrangements. After a student registers for classes online or in Student Academic Services, the student is obligated to pay for the contracted services in accordance with the University's current schedule of charges. The registration contract between SPU and the student remains binding to both parties unless either party provides proper written notification (see also [Refunds and Account Adjustments](#)).

Student Account System

An electronic notification of a statement reflecting tuition and fee charges, payments, and amounts due will be sent to the student's SPU email address each month. Student Financial Services will also send a copy of the account statement to an additional recipient (such as the student's parent) with the student's authorization. Due to federal regulations governing the disbursement dates of financial aid, some financial aid amounts may not be applied to student accounts prior to statement production. Therefore, students may need to use their Offer of Financial Assistance to determine the proper amount due on their student account. It remains the student's responsibility, however, to see that proper payment reaches Student Financial Services by the payment due date. If students need assistance determining the proper amount due, they should contact Student Financial Services to talk with a representative.

Checks for the correct amount due should be made payable in U.S. dollars (\$US) to SEATTLE PACIFIC UNIVERSITY, and should include the student's name and student identification number. Checks may be mailed to Seattle Pacific University, Student Financial Services, 3307 Third Avenue West, Suite 114, Seattle, Washington 98119-1922, or delivered in person to Student Financial Services in [Demaray Hall 10](#).

In addition to checks, the University accepts [automated payments](#) via an e-check (automated payment directly from a checking or savings account) toward student accounts. The University does not directly accept any credit cards for payment of student-account balances. Rather, it has arranged for a third-party provider to facilitate this type of payment if desired. Additional fees apply for this service.

Payment Policies

Students have three options to meet their financial obligations: (A) pay in full by the payment in full due dates; (B) the combined installment payment plan; or (C) the three-installment payment plan. The student account must be paid in full to be able to register for subsequent quarters.

Payment Option A: Pay in Full

Students may meet their financial obligations each quarter by paying in full by October 10 for Autumn Quarter, January 10 for Winter Quarter, and April 10 for Spring Quarter. If payment in full is not received by these dates, the account will be subject to late charges. Students are automatically placed in Payment Option A, unless they are approved through the application process for option B or C.

Payment Option B: Combined Installment Plans

The Seattle Pacific University Combined Installment Plan combines autumn, winter, and spring Three Installment Plans into one application and agreement. Students who plan to attend Autumn, Winter, and Spring quarters may choose the Combined Installment Plan. The plan will divide the total quarterly costs (after financial aid* is applied to the account) over three payments instead of one for each quarter (Autumn, Winter, and Spring quarters). Student Financial Services will complete a payment plan worksheet and notify the student of his or her monthly payment schedule. In order to participate in this plan, the student must return a completed [application](#) (pdf) along

with a \$75 application fee to Student Financial Services according to the following schedule (a new application and fee must be submitted each academic year). Please [click here](#) for more details.

2007–08 Academic Year	Due Date
Application and \$75 fee	August 15, 2007
Autumn Quarter 2007	
First payment	October 10, 2007
Second payment	November 13, 2007
Third payment	December 10, 2007
Winter Quarter 2008	
First payment	January 10, 2008
Second payment	February 11, 2008
Third payment	March 10, 2008
Spring Quarter 2008	
First payment	April 10, 2008
Second payment	May 12, 2008
Third payment	June 10, 2008

Payment Option C: Three Installment Plan

If students choose this Three Installment Plan option, the total charges after all financial aid* is applied to the account will be divided into three payments. Student Financial Services will complete a payment-plan worksheet and notify the student of the monthly payment schedule. In order to participate in this plan, the student must return a completed [application](#) (pdf) along with a \$40 application fee each quarter to Student Financial Services according to the following schedule. Please [click here](#) for more details.

Autumn Quarter 2007	
Application and \$40 fee	August 15, 2007
First payment	October 10, 2007
Second payment	November 13, 2007
Final payment	December 10, 2007
Winter Quarter 2008	
Application and \$40 fee	November 15, 2007
First payment	January 10, 2008
Second payment	February 11, 2008
Final payment	March 10, 2008
Spring Quarter 2008	
Application and \$40 fee	February 15, 2008
First payment	April 10, 2008
Second payment	May 12, 2008
Final payment	June 10, 2008

Example of Payment Alternatives for Families

A student registers for a full course load (12–18 credits) per quarter and lives in a University residence hall. The total balance per quarter is as follows:

Service	Cost
Tuition	\$8,261
Fees	\$115
Room and Meal Plan	\$2,694
Subtotal	\$11,070
Financial Aid*	-\$2,000
Balance Owed	\$9,070

Students and their families have three options to meet their University cost obligation:

Option A: Pay in Full

\$9,070 due October 10, 2007

Option B: Combined Installment Plans

\$75 application fee and application due August 15, 2007.

\$9,070 balance owed for each quarter.

$\$9,070 \div 3 = \$3,023$ (due monthly in Autumn, Winter, and Spring quarters.)

\$3,023 is the monthly payment plan amount and follows the Combined Installment payment schedule:

Payments	Due Date
Autumn Quarter 2007	
First payment	Due October 10, 2007
Second payment	Due November 13, 2007
Third payment	Due December 10, 2007
Winter Quarter 2008	
First payment	Due January 10, 2008
Second payment	Due February 11, 2008
Third payment	Due March 10, 2008
Spring Quarter 2008	
First payment	Due April 10, 2008
Second payment	Due May 12, 2008
Third payment	Due June 10, 2008

Option C: Three Installment Plan, With Autumn Quarter Example

\$40 application fee and application due August 15, 2007

$\$9,070 \div 3 = \$3,023$ is the monthly payment-plan amount and follows the Three Installment Plan schedule for Autumn Quarter.

Payments	Due Date
First payment	Due October 10, 2007
Second payment	Due November 13, 2007
Final payment	Due December 10, 2007

**Financial aid includes SPU scholarships, grants, federal Pell grant, federal SEOG grant, outside scholarships and grants, student loans, and parent PLUS loan. Work study cannot be used in the calculation of payments.*

Late Payments

Students who don't pay their account in full or who fail to make a Combined Installment Plan or Three Installment Plan scheduled payment will have a late fee assessed to their student account. The monthly late fee of 1.25 percent will be assessed on the balance owed after the payment-in-full due dates. Students with past due account balances, including any balance that is adjudged to be discharged, will not be permitted to register for future quarters or obtain an official academic transcript.

Reimbursement Program/Third-Party Billing

Students whose tuition is reimbursed or paid by their employer or a third party (such as an embassy) may be eligible for this program. Documentation confirming enrollment in an employer reimbursement program is required annually and allows deferment of tuition up to approximately 30 days after the quarter ends. If a third party is involved, the University will bill the third party directly, provided Student Financial Services has been given the appropriate documents. All other fees and charges are due when billed. Call Student Financial Services for more details.

Students participating in the Boeing Tuition Voucher Program are subject to approval by the Boeing Company. Once the employee is approved, Boeing will send a list of all approved students to Student Financial Services. This information authorizes Seattle Pacific University to bill the company for the student's tuition and tuition related fees only. Until the student is approved by Boeing for participation in his or her employer reimbursement program, the student will receive monthly account statements and be responsible for all charges. Once the process has been completed, the tuition charges will be paid on the student's account. The student will continue to receive a monthly statement if he or she has incurred fees not covered by Boeing. Fees not covered include, but are not limited to, change of registration fee, add/drop, entrance exams, room and/or meal plan, parking, books, tools, software, and activity fees. For more information about this program, contact Student Financial Services at 206-281-2061 or by [email](#).

Late Charges

A late charge (15 percent per annum, 1.25 percent per month) will be assessed against any owing balance shown on the student's last statement of account.

Unpaid Student Charges

A student who has delinquent financial obligations, or any financial obligation that is adjudged to be discharged, will not be permitted to register or attend classes for subsequent quarters or order official transcripts until such obligations have been satisfied. The University reserves the right to deny enrollment, including advance registration or extension of credit, to any student who does not meet past-due obligations or fulfill financial commitments to the University.

A continued failure to meet financial obligations may result in the referral of the delinquent account to an outside agency for collection of the total amount due, plus all applicable collection costs.

Change of Registration Charges

A change of registration fee of \$50 is charged if a student makes adjustments to his or her schedule of classes outside of the [deadlines](#). Students may register for evening courses (courses beginning 4:30 p.m. and later) through 5 p.m. on the fifth day of the quarter. It is expected that all students adhere to registration deadlines.

Registration Petitions

[Registration petitions](#) are requests for exceptions to regular policies and procedures. Exceptions are not granted to supercede policies and procedures because of an inconvenience. The petition process provides students and faculty with the possibility of a response outside the normal bounds of policy when extenuating circumstances are judged to warrant such a response. Extenuating circumstances include illness, injury, death in the family, and problems with immigration. Unresolved holds by the deadline do not constitute an extenuating circumstance and are not grounds for petition. The petition must not only voice the request, but must also substantiate the validity of the request.

[Petition forms](#) are available online and on the forms rack in the Demaray Hall lobby (first floor). Instructions for completing this process are included on the form. A student seeking late registration must seek permission from the instructor to sit in the class while the petition is pending. In all cases, the final decision to approve or deny a petition will be made by Student Academic Services. SAS reserves the right to deny any petition for any reason. Each approved petition will incur a \$50 change of registration fee.

Credit Balances

If financial aid overpays the student account, Student Financial Services will contact the student via email when credit balances are available. Checks are delivered via [direct deposit](#) or mailed to your current address on file.

Banking Services

Commercial banking services are conveniently available to students. [U.S. Bank](#) is located on campus adjacent to the [SPU Bookstore](#). There are also three cash machines available on campus. One is located outside of the U.S. Bank, another in the [Student Union Building](#), and the third is in the [Weter Hall](#) foyer.

Personal Budgeting and Finances

Student Financial Services believes that a college education is a worthy investment in your future. We are committed to creating opportunities, such as [Financial Education Sessions and Helpful Links about Managing your Money](#), for you to develop foundational financial understanding, knowing that informed financial decisions will help you realize your future goals.

REFUNDS AND ACCOUNT ADJUSTMENTS

If a student decides to add or drop courses, withdraw from school, or delete other contracted services, an official change of registration must be processed. This may be handled by filing the change of registration form in [Student Academic Services](#) or using the [Banner Information System](#). If a student plans to withdraw from University housing (i.e., cancel the room and meal plan contract), proper notification must also be provided to [University Services](#).

If a student does not provide proper written notification to the University or using [Banner](#), financial obligations will remain binding, regardless of whether classes were attended or whether or not any of the contracted services were utilized.

Refunds or additional charges for courses are posted to a student's account when the official change of registration form is received and processed or the transaction is completed using Banner. Charges for added courses are made at the full quarter's rate, regardless of when the course is added.

In the event that enrollment changes result in a refund, tuition will be refunded according to the schedule that follows. All eligible refunds, including overpayments, will be remitted to the student. If there is an owing balance on the account or a past-due balance on a campus-based loan program, such as the SPU Institutional, Federal Perkins, and Federal Nursing Student Loan programs, the refund will first be applied against the owing balance. Any questions regarding tuition refunds should be directed to [Student Financial Services](#). [\[Back to top\]](#)

Schedule of Tuition Refunds for Day and Evening Classes

First week of the quarter	100%
Second week of the quarter	75%
Third week of the quarter	50%
Fourth and fifth weeks of the quarter	25%
Sixth and following weeks of the quarter	-0-

Note: A week is defined as five business days beginning on the first day of each quarter.

Tuition Refunds and Adjustments

Example One

A student who was originally enrolled for 15 credits drops one 3-credit course the third week of class. There is no tuition adjustment, since the fee for 12 credits is the same as 15.

Example Two

A student who was originally enrolled for 13 credits drops one 3-credit course the second week of class. The refund is as follows:

Full tuition (13 credits)	\$8,261
Tuition for 10 credits (\$689 x 10)	\$6,890
Difference	\$1,371
75 percent refund	\$1,028.25
Tuition due on dropped course	\$342.75

Example Three

Assume the above student drops a 5-credit course the second week of class.

The refund is as follows:

Full tuition (13 credits)	\$8,261
Tuition for 8 credits (\$689 x 8)	\$5,512
Difference	\$2,749
75 percent refund	\$2,061.75
Tuition due on dropped course	\$687.25

Example Four

A student who was originally enrolled for 11 credits drops 2 credits and at the same time adds 3 credits during the second week of class. The result is as follows:

Old level: 11 credits (\$689 x 11)	\$7,579
New level: 12 credits	\$8,261
Additional due	\$682

Example Five

A student completely withdraws from all courses in the second week:

(Full tuition 13 credits)	\$8,261
75 percent refund	\$6,195.75
Student owes	\$2,065.25

Effect on Financial Aid

Dropping courses may affect a student's current and continued eligibility for financial aid. Please refer to the [Satisfactory Progress](#) section under Financial Aid. It is recommended that students discuss the impact of dropping below 12 credits with their [student financial services counselor](#) prior to completing the drop or withdrawal process. [\[Back to top\]](#)

Complete Withdrawal

If, during a quarter, a student who receives financial aid completely withdraws from the University, the tuition refund is calculated as described above. However, if the student received, or was entitled to receive, any Title IV funds, the return of the Title IV funds will be calculated by determining the percentage earned and applying this percentage to the total amount of Title IV assistance disbursed (and that could have been disbursed) to the student for the period of enrollment as of the student's withdrawal date. The percentage of Title IV funds earned is equal to the percentage of the period of enrollment that the student completed as of the withdrawal date if it occurs on or before the completion of 60 percent of the period of enrollment. The percentage of Title IV funds that have not been earned by the student is determined by taking the complement of the percentage of Title IV funds earned.

The unearned Title IV funds will be returned to financial aid sources based on federal guidelines in the following order: unsubsidized federal Stafford loan; subsidized federal Stafford loan; federal Perkins loan; federal PLUS loan; federal Pell grant; federal SEOG; other Title IV Aid programs; other federal, state, private, or institutional aid; the student. [[Back to top](#)]

Drop in Credits

If a student who receives financial aid drops courses to below a 12- credit load during a given quarter, a reassessment of the financial aid award may be made for that quarter. This may affect the amount actually credited to the student account. Contact a [student financial services counselor](#) for further information.

Room and Meal Plan Refunds

Room Deposit Refunds

New Students

New students who cancel their housing applications by the following dates will receive a refund of their housing deposit:

Autumn Quarter	by June 29, 2007
Winter Quarter	by December 8, 2007
Spring Quarter	by March 15, 2008

Continuing Students

Continuing students who contract for Autumn Quarter housing during the spring sign-up process will forfeit their deposit if they cancel their contract anytime after reserving housing. For Winter and Spring quarters, continuing students must cancel their contract by the following dates to receive a refund of their housing deposit:

Winter Quarter	by November 26, 2007
Spring Quarter	by February 29, 2008

Room and Meal Plan Refund Schedule

Students who withdraw from University housing after the beginning of the contract period will forfeit their room deposit and will receive a refund of their room and meal plan charges based on the date they sign their checkout form, according to the following schedule:

First week of the quarter*	90%
Second week of the quarter	75%
Third week of the quarter	50%
Fourth and fifth weeks of the quarter	25%
Sixth week of the quarter and following	0%

**The first week of the quarter begins the day residence halls officially open and ends the Monday after the first day of classes. Each successive week runs Tuesday through Monday.*

FINANCIAL AID

Seattle Pacific University is pleased to work with students and parents in meeting educational costs. Scholarship programs, grants, loans, and employment opportunities are available at SPU to supplement families' financial resources for students who could not otherwise attend.

Guidelines

For need-based financial assistance, the contribution toward college costs expected from the student and his or her parents is calculated according to a federally mandated system called federal-need analysis, which takes into account many factors representing the family's financial situation.

1. To the extent funds are available, the University will supplement the amount expected from the family with scholarships, grants, loans, or employment (singly or in various combinations) not to exceed the amount of the student's documented financial need.
2. Beginning with students enrolling for the first time after Spring Quarter 2006 or admitted in the academic year 2006-07 and after, the total offer of institutional gift aid (tuition discounts, grants, and scholarships) is limited to the cost of tuition. (SPU Scholars and students invited into the [University Scholars](#) program may receive institutional aid up to the cost of tuition, and room and board as defined in the [financial aid cost of attendance](#) (pdf) found in [Expenses for 2007-08 Full-time Undergraduates](#); athletes and peer advisors are covered under separate policies that allow institutional gift aid above tuition costs).
3. The amount and source of assistance will be determined on the basis of available funding, the type of degree, and eligibility criteria for the various financial aid programs.
4. Total student grant aid eligibility may be comprised of federal, state, or institutional grants/scholarships; students are first considered for federal and state grants, institutional scholarships and then institutional grants. If a student is determined eligible for federal grants, state grants, and/or institutional scholarships post-awarding, the federal grants, state grants, and/or institutional scholarships will be considered first to have met grant aid eligibility and may replace institutional grants.
5. To receive financial aid, a student must be enrolled for a minimum of 6 credits (courses numbered 0100–4999) per term in a program leading to an undergraduate degree or teacher certification from SPU. Media courses and courses numbered 5000–5999 are not eligible.
6. Full-time enrollment (12 credits per quarter) is required for scholarship eligibility.
7. To receive financial aid, a student must not have a default on a federal loan or owe repayment on federal grants.

Please review information about the financial aid process and deadlines, as well as criteria for maintaining eligibility.

Application Process

To apply for need-based financial aid through SPU, the student must:

1. Complete the [admissions process](#) and be admitted to the University.
2. Complete the [Free Application for Federal Student Aid](#) (FAFSA) and submit it to the central processor. The FAFSA may also be completed via paper (a form can be obtained at a secondary school or a college financial aid office).

If requested to do so, the student and his or her family must also provide additional documentation required to verify eligibility. The student must reapply for financial aid by completing a [FAFSA](#) each year.

To apply for scholarships through SPU, the student must complete the admissions process, as the admission application also serves as the scholarship application.

Application Deadlines

It is recommended that the FAFSA be processed as soon as possible after January 1 and that the student complete the admission process as soon after October 1 as possible. Since funding for most programs is limited and applications are processed in the order of their completion, it is to the student's advantage to apply as early as possible.

To be considered for SPU Merit Scholarships, all admission application materials must be received by February 1 for high school students and by April 1 for transfer students.

The Financial Aid Offer

Generally, students qualifying for financial aid receive a financial aid package containing one or more of the following types of aid: grants, scholarships, loans, and student employment. The proportion of each type of aid varies from student to student and year to year depending upon student eligibility, the amount of funds available in the various programs, and the type of degree. The student must validate that they understand and will comply with all regulations, responsibilities, and obligations by completing one [Master Conditions of Financial Assistance](#) (pdf). The student will receive one initial paper offer of financial aid, called the Offer of Financial Assistance; all subsequent revisions to it and future offers will be communicated by email notification and accessed through the [Banner Info System](#). If a student wishes to reduce or cancel any part or his or her entire offer, the student must contact [Student Financial Services](#). The student must inform Student Financial Services of additional resources not reported on the FAFSA during the period of the award.

Disbursement of Financial Aid

Once a student has completed the financial aid application/award process, has fulfilled all the requirements listed on the student's Offer of Financial Assistance, and is enrolled for the required number of credits, grants and loans are disbursed by Student Financial Services 10 days prior to the start of the term. Financial aid, with the exception of earnings from employment, and grants and scholarships funded by the state, will be applied to the student's tuition and room and board account in the following ways:

1. SPU grants and scholarships and federal grants: This aid is automatically applied to the student's account.
2. Federal Perkins loans, nursing loans, and SPU undergraduate loans: Once the student has filled out the necessary papers and signed the promissory note, the loans may be applied to his or her account.
3. Federal Stafford loan (subsidized and unsubsidized): Once the student has notified Student Financial Services of his or her choice of a lender, on the [Master Lender Selection Form](#) (pdf), the student will complete a [master promissory note \(MPN\)](#). Upon completion of the master promissory note, the bank will send the funds to SPU in one of two ways. If the bank participates in electronic funds transfer, the funds will be automatically applied to the student's account. If the bank does not participate in electronic funds transfer, it will send a check each quarter that the student will need to endorse in Student Financial Services. Continuing students who have already signed a master promissory note in a previous year will not need to complete another loan application. Instead, loan information will be automatically sent to the lender the student used previously. Loan funds will either be applied to the student's account via an electronic funds or a check will need to be endorsed by the student, depending on which process the student's lender uses.
4. Washington State Need Grant (WSNG) and Educational Opportunity Grant (EOG), the student may select through the [State of Washington Student Directive form](#) to have the funds electronically disbursed or disbursed through a check. If a student selects electronic disbursement the funds are automatically credited to the student's account at the beginning of each quarter. If the student selects check disbursement, the funds will be available by mail or direct deposit at the beginning of each quarter, but will not directly pay a student's account; the student is responsible for any owing balance.
5. Washington Scholar and Washington Award for Vocational Excellence (WAVE), GEAR-UP, and health professional scholarships are disbursed via check, and are available for the student to pick up in [Student Financial Services](#) on or after the first day of the quarter.

The remaining balance due on a student's account can be paid from student employment, summer savings, parent contribution (if a dependent), and other resources.

Satisfactory Progress

To remain eligible for financial assistance, a student is expected to complete his or her degree within a specified period of time and maintain a minimum GPA. In addition, the student must complete a minimum number of credits each academic year.

Minimum Grade Point Average

A financial aid recipient must be in good academic standing at the University. At the completion of the second year, and by the end of each subsequent quarter of study the student must have a cumulative 2.0 GPA to remain eligible for financial assistance, including Title IV (federal) funding. (Please note: A higher minimum GPA may be required for scholarship recipients. Refer to the [Scholarship/Grant](#) section below for specific renewal criteria). Students who do not achieve a 2.0 cumulative GPA will be ineligible for further financial assistance until the cumulative GPA is achieved.

Minimum Credit Requirement

Satisfactory progress is evaluated at least annually at the end of Spring Quarter, and for summer attendees at the end of Summer Sessions. All students (current, past, or first-time financial aid applicants) must complete at least 80 percent of all attempted credits each academic year to be eligible for financial assistance. The calculated percentage will be rounded up to the nearest full credit hour. Completed credits are defined as coursework that has received a grade of A, B, C, D, or "P" at the end of the academic term, grades of E, G, N, or I do not receive any credit; therefore they do not count as completed credits each quarter.

Maximum Time Frame

A student receiving financial aid must complete a degree within a reasonable period of time. Financial aid will be awarded to students in an eligible undergraduate program for a maximum of 270 total attempted credit hours, including transfer credits accepted toward the degree.

Consequences of Unsatisfactory Progress

A student who does not maintain satisfactory progress (minimum GPA and credit requirements and complete his or her degree within the maximum time frame) will forfeit the eligibility for financial assistance.

Petitions for Reinstatement of Eligibility

Students have the right to appeal their eligibility for financial aid. Written appeals due to extenuating circumstances should be submitted to the student's [financial services counselor](#). Please note that some financial-aid programs may have criteria that vary from the above-stated progress standards. Detailed information about these programs is included in the [Guide to Student Accounts and Financial Aid](#) provided to all students along with their Offer of Financial Assistance and by referring to the [Scholarship/Grant section](#).

Additionally students may regain eligibility for financial assistance by enrolling for a quarter and completing at least 80 percent of attempted credits without receiving financial aid; these credits may be taken at another institution and transferred to SPU or may be taken at SPU.

Return of Funds

In the event that a student leaves school during a quarter for which he or she has received financial aid, all or part of the funds that have been disbursed may have to be repaid. The amount of the repayment will be determined according to the length of time the student was in school. See [Refunds and Account Adjustments](#) for details.

Veterans' Benefits

Seattle Pacific University's academic programs of study are approved by the Higher Education Coordinating Board's State Approving Agency (HECB/SAA) for enrollment of persons eligible to receive educational benefits under Title 38 and Title 10, U.S. Code. To obtain information on these benefits, contact the veterans' coordinator in Student Academic Services.

Scholarships/Grants

Unless otherwise stated, scholarships and grants are available only to students pursuing their first undergraduate degree. Full-time enrollment (12 credits per quarter) is required for scholarship eligibility. University funded scholarships and grants are not available during Summer Sessions. In some cases federal and state programs are available. Complete information about these programs is available in [Student Financial Services](#) or by [clicking here](#).

Other Scholarship Funds

A number of scholarship funds have been established by interested individuals and groups for use by the University in its financial aid program. Unless otherwise noted, for priority consideration new students must be admitted to the University by March 1 and have filed all necessary application materials by that date.

Continuing students are invited to apply for the SFS undergraduate scholarship process in early November. Applications and reference forms are due in early December. This is a blanket application for all of the scholarships awarded by Student Financial Services.

Scholarship amounts vary from year to year. Questions regarding specific application deadlines and details can be directed to Student Financial Services, unless otherwise noted after the name of the scholarship. For scholarships awarded by specific departments, please contact that department for more information.

[Other Scholarship Funds](#).

Loans

Federal Perkins Loan. This program combines funds from the U.S. Department of Education and SPU. The loan fund is limited and targets the neediest students. The borrower must satisfy eligibility requirements as established by the U.S. Department of Education and demonstrate financial need. Perkins loans carry a simple interest rate of 5 percent and are repayable over a 10-year period following graduation, or dropping below a half-time credit load, or withdrawing from school. No interest is charged while students are in school and during a nine-month grace period thereafter.

Federal PLUS Loan for Graduate Students. Graduate or professional students may borrow under the PLUS Loan Program up to their expense budget (cost of attendance) minus other financial assistance. The applicant cannot have an adverse credit history. Repayment begins on the date of the last disbursement of the loan. Graduate PLUS Loan has a fixed interest rate of 8.5 percent. Applicants for these loans are required to complete the Free Application for Federal Student Aid (FAFSA). They also must have been considered for their annual loan maximum eligibility under the Federal Subsidized and Unsubsidized Stafford Loan Program before applying for a Graduate/Professional PLUS loan.

Federal Parent Loan for Undergraduate Students (PLUS). Parents of dependent undergraduates can borrow money through lenders to help supplement educational costs. The PLUS Loan has a variable interest rate not to exceed 9.0 percent annually, and since July 2006 the rate has been fixed at 8.5 percent. Arrangements can be made with some lenders to have payments deferred. Contact your lender for more information.

Federal Nursing Student Loan Program. Nursing students with at least sophomore standing may be eligible for loans to assist in meeting their educational expenses. Nursing loans carry a simple interest rate of 5 percent and are repayable over a 10-year period, beginning nine months after completion of the course of study, or dropping below half-time credit load, or withdrawing from school. No interest is charged while students are in school and during a nine-month grace period thereafter.

Federal Stafford Loans (subsidized and unsubsidized). These loans are made through banks, savings and loan associations, and credit unions. Any student is eligible to apply who satisfies the eligibility requirements as established by the U.S. Department of Education. The federal Stafford loan interest rate varies depending on when the student borrows the funds and when he or she enters repayment, since July 2006 the rate has been fixed at 6.8%. Payment terms may also vary; students are encouraged to check with their lenders. No interest is charged while students are enrolled at least half-time in a degree-seeking program and during a six-month grace period thereafter for subsidized loans. Interest begins accruing immediately on the unsubsidized loans. For information regarding types of payment deferments, students must contact their lenders.

SPU Institutional Loan Program. This program, sponsored by SPU, provides assistance to needy undergraduate students. Specific information about the program and student eligibility criteria are available in Student Financial Services.

Emergency Advance of Pending Financial Aid Credit Balance. Loan funds exist from which, under emergency conditions, limited amounts of money may be borrowed for up to 30 days. Application forms are available in Student Financial Services.

Employment Opportunities

The University supports a strong student-employment program through which it provides information regarding part-time employment opportunities. This job service is available to all SPU students, regardless of financial aid eligibility.

All part-time employment opportunities are posted outside Student Financial Services. On-campus, community service, and state work-study jobs are [posted here](#) at the Office of Student Employment Web site. Once employed, students will complete time sheets and receive payment from the Student Payroll Office if they work on campus, or directly from their employer if they work off campus. It is the student's responsibility to make payment on his or her student account from these funds if needed.

Four Types of Student Employment

On-Campus Employment. Several hundred jobs are available on campus for SPU students. All of these positions are available for students enrolled in 6 credits or more, regardless of their financial aid eligibility. For those students who have been awarded work study, they will be paid out of work-study funds. For those students who have not applied for financial aid, or who have not been awarded work study, they will be paid from non-work-study

funds. Therefore, any on-campus job is available to any student and Student Financial Services will determine, after the student is hired, if the job should be classified as a work study or as a non-work-study job.

Community Service Employment, Off Campus. These jobs are designed to assist our local community. Current positions are targeted to help at-risk youth, the homeless, and the elderly. There are a limited number of positions available through this program and the student must have applied for financial aid and been awarded work-study.

State Work-Study Employment, Off Campus. Students must have applied for financial aid and been awarded work study to be employed in the state work-study program. This program is sponsored by the state of Washington, and the participating employers are reimbursed by the state for a portion of the wages they pay work-study students.

Off-Campus Employment, Regular Part-Time Jobs. There are many part-time jobs from local employers posted on the Job Board outside Student Financial Services. These jobs are available for any SPU student regardless of financial aid eligibility.

Student Life

[Administrative Structure](#)
[Community Standards and Policies](#)
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[Student Programs](#)
[Career Development Center](#)
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[Health Services](#)
[Student Counseling Center](#)
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A complete understanding of education recognizes that learning occurs both in and out of the classroom. Seattle Pacific University seeks to graduate people of competence and character who can lead the way for meaningful change in our world. Together with students, faculty, and staff, the [Office of Student Life](#) (OSL) strives to unite learning and living in a grace-filled community as we seek the uncommon path to a good life as described below:

- A life that harmonizes mind with heart, reflection with action, scholarship with celebration, and our own needs with the welfare of others.
- A life of wisdom that transforms ourselves, our students, our neighbors, and our world.
- A life restored to wholeness by the grace of a loving God.

Administrative Structure

Associate Vice President for Academic Affairs/Dean of Student Life

The [Office of Student Life](#) (OSL) is dedicated to enhancing a vital campus community through dynamic curricular and co-curricular opportunities. To unite these functions, OSL oversees the co-curricular education of students in partnership with academic life and reports directly to the [Office of Academic Affairs](#). To further strengthen this relationship, the dean of student life serves as associate vice president for academic affairs, providing a liaison between academic work under the vice president for academic affairs and various student life programs. In addition to managing all the units that comprise OSL, the dean of student life acts as ombudsperson to all students to assist in resolving problems. The dean also works with the University's chief judicial officer in the matter of community standards and expectations, discipline issues, and appeals.

Ombudsperson

Students may request the services of the University ombudsperson as a neutral party who can assist in resolving problems that arise with respect to academic and student life policies. The ombudsperson will help students understand procedures, including both their rights and responsibilities as students, and the rights and responsibilities of University officials. The ombudsperson role does not substitute for the University judicial and appeal channel, but may assist students in understanding and navigating processes. Students wishing the services of a University ombudsperson should contact the associate vice president for academic affairs/dean of student life by calling 206-281-2481.

To resolve problems related to enrollment services, such as admissions, financial aid, student accounts, or registration and records policies, students may contact the Office of the Vice President for Administration and University Relations by calling 206-281-2650. To appeal a decision to the vice president, a student must first complete the office or area process of appeal. This process is typically a written appeal to the department head. If the student is not satisfied that his or her interests were properly served by the area appeal process, an appeal may be directed to the vice president for administration and university relations. The appeal should include all information that was submitted through the area appeal process.

Community Standards and Policies

Behavioral Expectations

Seattle Pacific University's standards for behavior are representative of the University's identity and are designed to provide a positive learning environment while promoting the intellectual, social, spiritual, and physical well-being of students. The expectations of the Seattle Pacific community, explained below, reflect the University's commitment to its Christian philosophy of education in the context of a Wesleyan heritage.

By enrolling at SPU, students agree to live according to the expectations outlined here. Non-matriculated students admitted to special programs are also expected to maintain these standards. Violations may result in disciplinary action. Any questions regarding these statements should be addressed to the chief judicial officer or the dean of student life in the [Office of Student Life](#).

Community Support and Redemptive Discipline

Seattle Pacific University seeks to follow the biblical model of discipline as described in [Matthew 18:15-18](#) and [Galatians 6:1-2](#). The purpose of this kind of discipline is redemptive in nature, seeking to reconcile the person to God and to his or her neighbor. It is also progressive, normally beginning with a private conversation between two people (student to student). If those two people cannot resolve the problem, the next level would include consultation with a staff member such as a peer advisor (PA), residence life coordinator (RLC), or a faculty or staff member. If it then cannot be resolved, it will be referred to counseling and/or judicial action by the chief judicial officer or the dean of student life.

When a situation involving a student or student organization appears to violate University policies, rules, regulations, or standards, it becomes the responsibility of the dean of student life, the chief judicial officer or their designees to implement the University's behavioral and disciplinary process. Because the primary goal of the disciplinary process is educational and redemptive, the process is non-adversarial and is not to be considered analogous to court proceedings. Review meetings are not courtroom dramas. They are meetings among community members to give all parties the opportunity to identify concerns, explain perceptions, explore behavior, and hear suggestions. The emphasis is placed on student behavior, and the relationship of behavior to commitments and responsibilities inherent in accepting membership into the University community.

Students alleged to have violated the University's behavioral standards or expectations will be advised of the alleged violation or conduct concern and will be given the opportunity to provide oral and written statements and other relevant information to the chief judicial officer or the dean of student life or their designee(s) as determined by the dean of student life. Students will receive written notice of the outcome of any conduct review meeting or proceeding, including a description of any disciplinary action or sanction. The University may suspend a student immediately if, in the judgment of the University, the student's continued presence on campus or participation in an activity or program presents a threat to the health or safety of the student or to a member of the University community or is otherwise incompatible with the orderly operation of the University.

The University expects students to assume responsibility by fully participating in the disciplinary review process. Students are expected to appear for review meetings or proceedings. If a student fails to appear, the matter may still proceed. Sanctions may be imposed on a student refusing to appear or cooperate. Throughout the conduct process students have the responsibility to present truthful information and conduct themselves courteously.

The sanctions imposed depend upon the particular circumstances of each situation. Sanctions may be imposed singly or in combination, as appropriate to the circumstances of each situation. A student's conduct history will be considered in determining a sanction, as will the nature of the violation. Repeated violations of policy may result in more severe sanctions and may eventually result in the removal of the student from the University. A student's failure to fulfill the terms of an imposed sanction may result in the imposition of more severe sanctions. The types of disciplinary action or sanctions that may be implemented include, but are not limited to, warning, written reprimand, disciplinary probation, suspension (termination of student status for a specified period of time and with specific conditions), or dismissal (termination of student status). In some circumstances the student may also be required to participate in an educational activity; attend counseling; pay restitution or fines; provide community service; transfer to a different residence hall or housing unit; be suspended from housing; lose privileges; be excluded from activities; or be excluded from areas on campus.

Appeals. Students have the opportunity for a self-initiated appeal of a disciplinary action. Appeals may be addressed in writing to the appropriate University official within 48 hours of receipt by the student of the written notice of disciplinary action. If the University official instituting the discipline is a member of the residence life staff, then the appeal should be directed to the chief judicial officer. If the official instituting the discipline is the chief judicial officer, then the appeal should be directed to the dean of student life. If the dean of student life instituted the discipline, then the appeal should be directed to the vice president for academic affairs. Except in the case of

dismissal, a student may appeal a decision once. Grounds for appeal are limited to four categories: (1) new information is material and was unobtainable at the time of the original review; (2) the sanctions imposed are not appropriate to the violation(s); (3) procedural irregularities or errors occurred; and (4) the student had the lack of a fair review.

The University attempts to provide ample information about community structures, expectations, and practices to all members, especially to those who are new each year. If you would like more information about behavioral standards or the disciplinary process, contact the chief judicial officer or the office of the dean of student life.

Seeking Help to Grow and Change

It is our hope that each member of the SPU community is fully aware of his or her own behavior and the effects — positive or negative — that it may have upon the rest of the community. If you know that your behavior is outside of the limits established by the University and wish to get assistance in order to change this behavior, you may take the initiative to discuss this concern with a peer advisor (PA), residence life coordinator (RLC), or faculty or staff member without the threat of disciplinary action.

A problem of this nature is defined as a personal issue, and the faculty or staff member will seek to work with you toward the goal of restoration. (Exceptions to this approach may be where behavior is repetitive, self-destructive, hazardous to others, or involves a significant legal issue in which the University is obligated to uphold the law.)

If a faculty or staff member knows about the incident or situation from another member of the community, it can no longer be defined only as a personal issue. It may be considered a community issue and therefore may be subject to disciplinary actions. Any community that ignores problem behavior in effect condones it. Ignoring problem behavior in others not only gives tacit approval to the behavior in question, but also (biblically speaking) is the withholding of love from that individual.

In this light, if you believe a student is behaving in an unacceptable manner, you are encouraged to go directly to that person and express your concern about the behavior and the consequences it may bring to the community and/or to the individual. Community expectations should be clarified and the student should be asked if he or she is willing to agree to change the offending behavior. If there is a positive response and the behavior changes, the problem is resolved. If your confrontation does not solve the problem, or there is a continuing pattern of adverse behavior, encourage the student to seek assistance from a faculty or staff member.

If a student takes the initiative to seek help, it will be handled as a personal issue as described previously unless there is continued complaint from the community.

This written attempt to clarify the University's position on discipline is intended to call members of the SPU community to responsibility for their own behavior, and not to shift this responsibility to a select few leaders who are expected to maintain the standards. In sharing a more specific understanding of redemptive discipline, University officials recognize that each disciplinary issue has its own set of circumstances. Because of this, the disciplinary response may not be the same in every situation, but the desired outcome will always be the same: the reconciliation of the individual to himself or herself, to the SPU community, and to God.

Context for Community Standards

As the University develops and implements its policies relative to lifestyle expectations, the standards are shaped and informed by four sources: legal authority (local, state, and federal law), Scripture, historic Christian tradition, and the mission of the University.

Legal Authority. Local, state, and federal laws address matters that directly influence University policy. Theft, possession or use of illegal substances, under-age use or possession of alcohol, any kind of harassment, physical abuse against persons or property (rape, assault, and vandalism), possession of firearms on campus, and violations of copyright laws are examples of the way laws interface with policy.

Scripture. Scripture addresses issues relating to matters of character and integrity that impact the community and the relationships of those who are a part of the community. We affirm that all persons are of sacred worth and affirm that God's grace is available to all. The University provides counseling services for those who need help in clarifying personal character issues, relational and behavioral; or those struggling with issues of morality and moral behavior.

Historic Christian Tradition and the University Mission. This area is the most difficult to define because our community is diverse in its concerns over certain issues. Nonetheless, our roots and values are deeply connected to the Free Methodist and other evangelical Christian churches. Evangelical churches are those that find their authority in God's word and stress the need for a personal, redemptive faith in Jesus Christ.

Sexual Harassment

Seattle Pacific University is committed to maintaining an academic and social environment free of sexual harassment and assault. Members of our community have the right to work, study, and communicate with each other in an atmosphere free from unsolicited and unwelcome communication of a sexual nature.

Sexual harassment is a form of misconduct that violates the integrity and trust in human relationships. Sexual harassment does not refer to occasional appropriate compliments.

Rather, it is behavior that is personally intrusive, offensive, debilitating to morale, and insulting to human worth and dignity. Sexual harassment of students is marked by inappropriate sexually oriented attention by anyone (faculty member, staff member, or student) who is in a position to determine a student's grade or to adversely affect the student's academic performance, job performance, professional future, participation in campus activities, use of campus services and facilities, or ability to function comfortably in the SPU community.

Students who believe they have been sexually harassed or who have concerns about the appropriateness of faculty, staff, or student behavior may seek support and counsel from among a variety of helpful campus resources and people trained in the prevention of sexual harassment. The consultation will remain confidential if the student wishes. Formal complaints of sexual harassment may be addressed to the dean of student life (206-281-2481), the director of human resources (206-281-2809) or the Office of Academic Affairs (on campus, 206-281-2125).

Further information and SPU's complete statement concerning sexual harassment is available from the [Office of Student Life](#) (206-281-2481), Human Resources (206-281-2809), or Safety and Security (206-281-2922).

Notice of Non-Discrimination Policy and Discrimination Complaint Procedures

It is the policy of Seattle Pacific University not to discriminate on the basis of race, color, national origin, sex, age, or disability in its programs or activities, as required by applicable laws and regulations.

As a religious educational institution operating under the auspices of the Free Methodist Church of North America, Seattle Pacific University is permitted and reserves the right to prefer employees or prospective employees on the basis of religion.

If you have any questions regarding this policy, please contact either of the following persons:

Associate Vice President for Academic Affairs/Dean of Student Life

Phone: 206-281-2481

Campus location: Room 209, Student Union Building

Seattle Pacific University

3307 Third Avenue West, Suite 212

Seattle, Washington 98119-1950

Executive Director of Human Resources

Phone: 206-281-2809

Campus location: 330 West Nickerson Street

Seattle Pacific University

3307 Third Avenue West, Suite 302

Seattle, Washington 98119-1957

If you believe you may have been discriminated against in violation of this policy, please immediately contact one of the individuals designated above. Copies of the complaint resolution procedures may be obtained from the above designated individuals; the Office of Student Life; or the Office of Human Resources. Copies of the complaint resolution are also posted on the University's Web site at www.spu.edu.

Lifestyle Expectations

Lifestyle expectations are the general standards that govern the personal conduct of all students and student organizations at SPU. Behaviors for which students or student organizations are subject to disciplinary action include, but are not limited to the following:

1. Actions that constitute violations of municipal, state, or federal law. The University reserves the right to follow its normal conduct process whenever a student is accused of a criminal act, regardless of the location of its occurrence and regardless of whether civil or criminal proceedings have been instituted against the student.
2. Actions that interfere with the educational process or the administration of the University, including those that obstruct or disrupt the use of University premises, buildings, rooms or passages, or which incite a disturbance.
3. Cohabitation and related forms of premarital, extramarital, or homosexual sexual activities. For more information on the subject of sexuality, refer to SPU's [Statement on Human Sexuality](#).
4. The possession, use, distribution, or sale of alcohol or illegal drugs, or the illicit use of prescription drugs. The University does not permit students to smoke, use or possess alcohol or tobacco products on or off University property or as part of any of its activities. In keeping with our heritage, we require that students refrain from the use of alcohol while they are members of the SPU community. However, SPU makes no attempt to preempt the customs of the family or a religious tradition, which may include the use of alcohol at a family meal or family event (see statement on Drug-Free Workplace and Drug-Free Schools and Communities).
5. Dishonesty such as cheating or plagiarism; knowingly furnishing false information; alteration or unauthorized use of University documents, records or property; or the misuse of student identification.
6. Participation in any actions that involve discrimination or harassment based on race, color, national origin, religion, disability, or gender.
7. Any form of coercive or unwelcome sexual behavior, including sexual assault, rape, acquaintance rape, indecent liberties, or related actions.
8. Activities that cause or threaten emotional, mental, or physical harm or suffering; that demean the dignity of any individual; or that interfere with one's academic process. Examples of such actions are verbal threats or abuse, harassment, intimidation, threatened or actual physical assault, or consistent disregard for the rights and welfare of others.
9. Conduct or activities that are lewd, indecent, or obscene, whether demonstrative, visual, verbal, written, or electronic (see the [Acceptable Use Policy Statement](#)).
10. Failure to comply with the directions of authorized University officials in the performance of their duties, including the failure to comply with the terms of disciplinary sanction. This also includes the failure to identify oneself when requested to do so.
11. False reporting or warning of an impending fire, bombing, crime or emergency, or tampering with safety equipment.
12. Unauthorized possession of, or damage to, University property or services, or property belonging to others. Unauthorized presence in, or unauthorized use of or duplication of keys to, University premises or property.
13. Possession, use or display on University property of any firearms, weapons, fireworks, live ammunition, incendiary devices, or other items that are potentially hazardous to members of the campus community.
14. Activities that may cause damage or constitute a safety or health hazard or interfere with the academic process. Such activities include, but are not limited to, entering or exiting buildings through the windows; throwing, projecting, or dropping items that may cause injury or damage; and pranks that create safety and health hazards for others and/or cause damage to University or personal property.
15. Any violation of other University policies, regulations, or rules.

Drug-Free Workplace and Drug-Free Schools and Communities

SPU is subject to the requirements of the federal Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act of 1989. The University strongly supports the 1988 and 1989 acts and consistently ensures compliance with them. SPU annually distributes information regarding the restrictions and consequences of violations of each act. Any student who has not received copies of the statements should contact the Office of Student Life in the [Student Union Building \(SUB\)](#), second floor, or [Human Resources](#) at 330 West Nickerson.

The purpose of [SPU's Alcohol, Tobacco, and Drug Use Policy](#) is to support the educational mission of the University with standards of personal health, moral integrity, and social consciousness. The policy is also intended to provide guidelines for members of the University community who are sensitive to the varieties of Christian perspectives represented on campus, the Free Methodist Church, and the community at large. For some, this represents an area of personal liberty, but for others it is a stumbling block. In keeping with our heritage, we expect undergraduate students to refrain from the use of alcohol on and off campus — and to not involve themselves in situations where such activities are present — while they are members of the Seattle Pacific community.

The use of alcohol or tobacco on or off campus or at any of its activities will be grounds for disciplinary action, up to and including dismissal. An undergraduate student who is found to be exhibiting specific, objective signs of having consumed intoxicating beverages or illicit drugs, or of abusing prescription medications, will be subject to disciplinary action.

If the abnormal behavior resulted from prescription drug use in compliance with a physician's instructions, then the policy may be waived. If the behavior is a result of drug abuse or alcohol use, the student will be subject to further disciplinary action, up to and including dismissal and referral for prosecution. If the behavior results in a conviction of a violation of criminal drug or alcohol laws, the disciplinary actions will be dictated by the Drug-Free Workplace regulations.

If a student is required to complete a drug treatment and rehabilitation program as part of the disciplinary action resulting from a violation of this policy, official records of the diagnosis or treatment will be kept for three years in the student's records. The file will be held in the strictest confidence and will be used only as evidence to governmental and granting agencies that the University did in fact take steps toward correcting the problem.

Other University Policies

Representing the University. No individual or group of students may represent the University outside the campus without the explicit sponsorship of a University department or the written permission of the dean of student life.

Church- or Parachurch-Related Activities on Campus. Christian parachurch and Christian church-related groups must obtain permission to be a registered campus group from [University Ministries](#) (formerly Campus Ministries). They must provide, upon request, a doctrinal/ purpose statement and are required to have a faculty sponsor and student contact person. Regular meeting times and events must be cleared with the Office of University Ministries, so as not to conflict with existing University programs.

Distribution of Literature. University departments and recognized campus organizations may distribute handbills or program announcements through the campus postal system. Materials not distributed by a faculty or staff office must be approved by the Uni-Com information desk or the Office of Student Life. A copy of the item to be distributed must be filed with the Uni-Com desk, located in the [Student Union Building](#), at the time approval is requested.

University departments and organizations may also distribute information by hand, but must make provisions for collecting all discarded material to prevent campus littering. On-campus groups mailing printed material to 25 or more off-campus individuals should seek clearance for their mailing from the Office of University Communications. Off-campus groups may distribute literature on campus only with the written approval of Uni-Com (or [Office of Academic Affairs](#) in [Demaray Hall](#)). Normally, approval will be granted only to organizations that are noncommercial in nature and consistent with the University's mission. Information presented must be in conformity with the philosophy and policies of SPU.

Facilities Usage. In accordance with University policies and procedures regarding scheduling and fees, student groups may use University facilities on a space-available basis. Compliance with institutional policies as set forth in this publication, and the mission and educational goals statement of the University are required for authorized facility use. Students found in buildings after closing hours must have in their possession a note signed by the appropriate departmental chairman or the dean of student life. Safety and security patrols routinely check late occupants of buildings. Students are expected to comply with the security officers' requests, which may include vacating buildings or producing proper identification.

All signs, posters, and handbills for distribution in and around the SUB and campus kiosks must be approved at the Uni-Com desk and may be posted only in designated areas. A copy of items to be posted must be filed with the Uni-Com desk when approval is requested. Items may not be affixed to walls, light poles, trees, or other non-designated areas such as windows and doors. Individuals and organizations are held responsible for costs incurred in removing improperly posted items and are liable for damages caused by improper posting. Posting on departmental boards or on boards designated for specific offices requires the additional approval of the person responsible for the board. The department director or his or her administrative assistant will determine where you may post approved materials in their area. Posters larger than 24" by 35", banners and other nontraditional items require special approval by the Office of Student Programs. Student election posters must conform with the ASSP Student Elections Task Force policies and procedures. Violations of those posting procedures are reviewed by the Elections Task Force. Approved notices from local churches may be displayed only on the designated board in Gwinn Commons. Materials from commercial organizations normally will not be approved for posting. Materials posted in residence halls require the approval of a residence life coordinator.

Solicitation. Recognized on-campus groups or organizations are permitted to solicit in approved campus locations provided they have:

1. A completed and approved Reservation form (available at the Uni-Com desk)
2. Payment of appropriate vending fee, if required.

The time, place and manner of solicitation is subject to regulation by the University. Recognized SPU organizations may solicit door-to-door in residence halls for selected projects only. Door-to-door solicitations require approval from the director of residence life. Students, student groups, and off-campus persons selling commercial products or services are not permitted to sell door-to-door in the residence halls under any circumstances. They may sell at other campus locations only with the written approval of the [Office of Student Life](#).

The University will not assist commercial agents (such as insurance agents or other salespersons) in contacting students. They may not have access to student directories or campus postal facilities. Private parties may inform students of items for sale through an ad in the campus newspaper, on SPU Classifieds online, or by posting a notice on designated bulletin boards in the SUB or Gwinn Commons.

Speaker Policy. As a Christian institution of higher learning, SPU values the sharing of knowledge, the search for truth and the social, intellectual, and spiritual development of students. The University recognizes that free inquiry and free expression are essential to learning. Therefore, SPU promotes the development of an atmosphere in which one can ask questions and evaluate divergent points of view.

For information on speaker policy, contact the director of student programs at 206-281-2483, or visit the office in the Student Union Building, second floor.

Acceptable Use Policy and Campus Computer Network Use. The Purpose of the University's "Acceptable Use Policy" is to outline individual responsibilities in the legal, ethical, and appropriate use of University computer systems and network resources. All persons utilizing the campus network are expected to review, understand, and abide by the conditions set forth in the policy. Please refer to the [Acceptable Use policy](#) for details on these expectations and requirements.

Residence Life and Housing

Living on Campus

The educational mission of Seattle Pacific University is not limited to the classroom experience. Faculty and staff members realize that the collegiate years are a period of significant developmental change for most students. It is in the context of community that the University can best fulfill its educational mission to the “whole person.” Living on campus is an integral part of a student’s educational experience.

Living in community offers many opportunities for fulfillment and growth. Students will meet many different people and have the chance to form lasting friendships. They will also have the opportunity to nurture their faith as they consider viewpoints other than their own. Our hope is that they will develop an appreciation and respect for their peers as they find their own unique ways to contribute to the group. Living on campus also carries with it the responsibility to uphold community standards that are designed to provide a positive learning environment for all students. (Please refer to the *Residential Student Guidebook*, which is received when contracting for campus housing.)

The Residential Living Requirement. Since it was founded in 1891, Seattle Pacific University has been committed to the education of the whole person. For this reason, the residential experience is considered an integral part of a student’s education. Research shows that students who belong to a campus residential community have a more productive, and ultimately more satisfying, college experience than those who live off campus.

A two-year guarantee of six consecutive quarters is given to incoming freshmen. SPU strongly encourages students to reside on campus subsequent quarters as space is available.

The Residential Living Requirement is evaluated yearly to support the residential experience, as well as respond to housing demand. For the 2007–08 academic year, students are required to live on campus unless:

- They are 20 years or older, or have achieved junior status (completed 90 SPU or transferable credits) prior to the first day of class for the quarter for which they are applying.
- They live at home with parent(s), legal guardian, spouse or dependent children.
- They are graduate students.
- They are enrolled for 8 credits or less.

Infrequent exceptions to this policy are made if unusual circumstances warrant such a decision. Students who believe they have a situation warranting special consideration to live off campus must obtain approval from the [Office of Residence Life](#) by submitting an Off-Campus Petition form, which provides the opportunity to describe the student’s situation and reason for the request. The office must receive petitions for off-campus housing no later than July 15 for the subsequent academic year. For more information, call the [Office of Residence Life](#) at 206-281-2043.

Campus Housing

Undergraduates. SPU provides housing for approximately 1,600 undergraduate students in residence halls, apartments, and houses. The residence halls vary in size from approximately 120 to 420 residents. [Ashton, Hill,](#) and [Moyer](#) are traditional residence halls, consisting of two- and three-person rooms and common bathroom facilities. [Emerson Hall](#) features suite-style rooms; the typical configuration is a double room on either side of a connecting bathroom. All rooms are furnished with single beds, mattresses, dressers, desks, chairs, cable television service, and Internet access. Residence halls are closed during Christmas and Spring Breaks.

Campus houses and apartments offer a typical setting of kitchen, living room, bathroom, and bedroom(s) and accommodate two or more residents, depending on the size. [The Wesley at Seattle Pacific](#) offers another option for apartment living at SPU. Each unit is fully furnished and comes with a washer/dryer, SPU telephone service, Internet, cable TV, and utilities. Returning and transfer students are given priority for these units.

Students must be admitted to the University before applying for housing. First-time freshmen and transfer students are prioritized separately by the date their admissions applications are received — the earlier your date, the higher your priority. First-time freshmen have priority for the residence halls. Transfers have priority for [Robbins](#) and the [campus apartments](#). Beginning in early April, all admitted undergraduates will receive a Campus Living booklet with instructions on how to apply for housing. If a student is admitted after April 1, the packet will be mailed within two weeks of the student’s admission date. For more information, call [Housing and Meal Plan Services](#) at 206-281-2188. For information on applying for the Wesley, call 206-378-5302.

Families and Graduates. SPU also has housing options available for students with families, graduate students, and adult learners (students 25 years of age and older).

[Family, Graduate, and Adult Learner Housing](#) consists of houses, apartments, and duplexes, located on campus or within walking distance. Units range from one to three bedrooms. Water, sewer, garbage, and basic cable are included in the rent. Each tenant is responsible for electricity, gas, and phone. Students who would like to apply for Family, Graduate, and Adult Learner Housing must be admitted to the University. Only the student, his or her spouse and/ or legal dependents may occupy campus housing. For more information, call Housing and Meal Plan Services at 206-281-2188 or visit www.spu.edu/FamilyGradApp.

Housing Accommodations for Students With Disabilities

Students requesting special housing accommodations due to a documented disability should inform the coordinator for [Disability Support Service \(DSS\)](#) in the Center for Learning. New students must contact the coordinator for DSS by June 1 for Autumn Quarter housing accommodations. Returning students must notify the coordinator for DSS by April 1 for Autumn Quarter housing accommodations. For more information on services and accommodations for students with disabilities see the Disability Support Services section under the [Center for Learning](#).

Leadership

Seattle Pacific has staff to help students adapt to living in community on campus. Peer advisors (PAs) are student leaders who live on each residence hall floor and in the campus apartments. PAs are trained to provide leadership to the residents and plan activities and programs. Residence life coordinators (RLCs) are professional staff members who live in each residence hall. They train and work with the PAs and oversee the administration of the building. Student ministry coordinators (SMCs) live in the halls and focus specifically on meeting students' spiritual needs.

Residence hall students elect a hall council each year to oversee the hall budget, plan activities, and represent them at the Student Senate. Students may choose to become a hall council member and represent their floor at the meetings.

Campus Dining

Our main dining facility, [Crossroads at Gwinn Commons](#), offers a restaurant-style atmosphere and menu to accommodate student preferences. SPU also has a campus convenience store ([Corner Place Market](#)), and a retail restaurant and grill ([Falcon's Landing](#)). Espresso drinks and snacks are served at Academic Perks in Falcon's Landing and [Pura Vida](#) coffee house in Weter Lounge.

Crossroads provides food service beginning with the evening meal the day residence halls open and ending with the evening meal on the last day of finals. Food service is not provided in Crossroads or Falcon's Landing during Thanksgiving, Christmas, or Spring breaks. Corner Place Market and Pura Vida operate on a limited schedule during breaks.

Residence Halls. All students who reside in Ashton, Hill, Emerson, and Moyer are required to choose one of five "metal" [meal plans](#): *Platinum, Gold, Copper, Silver, or Bronze*.

Each plan combines access to SPU's main dining facility, Crossroads at Gwinn Commons, with a set amount of SPU Points to spend at any dining location. SPU Points are worth a penny a point and save the user sales tax. Unused SPU Points will roll from quarter to quarter but not from year to year.

Campus Apartments. Although not required to have one, students living in campus apartments may choose any [meal plan](#), including a *Block 25* (25 entrances into Crossroads at Gwinn Commons), *Block 50* (50 entrances into Crossroads at Gwinn Commons), or *Advantage Points*.

Advantage Points are used in the same manner as SPU Points but are not linked to a metal meal plan. A minimum purchase of \$15 is required. Unused Advantage Points will roll from quarter to quarter and from year to year. Blocks and Advantage Point plans are nonrefundable.

Theme Housing. Theme-housing residents must choose a minimum of one *Block 25* plan per year, but may choose an expanded meal plan if desired.

Meal plans are nontransferable. There are no refunds or adjustments made for meals missed. Meal-plan changes may be made at the end of each quarter to be effective the following quarter. Please refer to the Residential Student Guidebook for specific dates. Additional information regarding meal plans is available from Housing and Meal Plan Services at 206-281-2188 or [online](#).

Room and Meal Plan Contract

The [Residential Student Guidebook](#) is incorporated in and is binding as part of the Room and Meal Plan Contract. The University reserves the right to make changes to the contract as appropriate. It is the student's responsibility to read and comprehend the University regulations including those in the Room and Meal Plan Contract, *Residential Student Guidebook*, and this document.

A Room and Meal Plan Contract remains in effect until the end of the contract period, but may be terminated under the following conditions:

- If a student officially cancels his or her enrollment.
- If a student violates the terms of this contract, University regulations, local, state or federal laws. (SPU reserves the right to cancel the contract with no refund of room and meal plan charges.)
- If a student is not required to live on campus (see [Residential Living Requirement](#) above).

A student contracts for a space on campus but not for a specific hall, room, apartment, or roommate. The University reserves the right to the following:

- Assign roommates unilaterally.
- Reassign students who are without roommates.
- Use a room when it is not occupied.
- Assign single rooms.
- Reassign students to different units in the event such reassignments are determined necessary.

Priority for University housing is given to matriculated (admitted) students registered for nine credits or more each quarter. Students enrolled for three to eight credits are housed as space permits. Dropping to part-time status from full-time status does not automatically cancel the Room and Meal Plan Contract.

Room and meal plan costs are listed under the [Tuition and Fees](#) section of the Catalog Refund schedules and cancellation charges are outlined in the [Refunds and Account Adjustments](#) section of the *Catalog*.

Student Programs

Becoming involved as a student is an essential element for success in college. [Student Programs](#) is committed to helping Seattle Pacific University students maximize their educational experience through a full spectrum of opportunities and programs.

Student Leadership

Seattle Pacific University is recognized for its quality of student leaders and leadership programs. Our programs help students identify personal abilities and foster a supportive environment in which they can be utilized. Working in close coordination with the [Associated Students of Seattle Pacific \(ASSP\)](#), we offer classes and a diversity of leadership activities. Specific programs include various clubs and organizations, leadership practicum, the [Student Activities Board \(STUB\)](#), student publications (including *The Falcon*), and the [Student Senate](#). Student Programs desires to contribute to the leadership skills of all students, whether the student is in a specific position of leadership or simply wants to develop leadership potential.

New Student Orientation

Student Programs plans and implements each year's New Student Orientation. [Orientation](#) is designed to welcome new students, both first-year and transfer students, to the SPU community and help them make a successful transition into Seattle Pacific's learning community.

Information Services

Uni-Com is a campus information and service desk located on the first floor of the [Student Union Building \(SUB\)](#). SPU students are employed to provide various services including directing phone calls; welcoming visitors; assisting with vending machines; issuing bus, swim, and Seattle Art Museum passes when the ASSP offices are closed; and managing the lost-and-found.

Student Programs also assists in the coordination of the [University Master Calendar](#) to ensure concerted programming across campus. Current campus events and programs are also regularly communicated through [To The Point](#), a weekly email informational publication.

Intercultural Programs

In the 21st century, a new kind of global, urban, and multicultural world is coming into being in which people from increasingly diverse cultures and faiths must learn to work together to thrive in peace. The diversity of the church is also being recognized, as Christians from non-European cultures now outnumber those from the West. To prepare students to lead and serve in this new world, Intercultural Programs seeks to do the following:

- Provide support services for ethnic minority and international students.
- Create experiences designed to build community between students from a variety of backgrounds.

Events and Programs

Student Programs is committed to enrich the overall SPU learning experience through advising and coordinating events and programs such as Family Weekend, commuter programming, and the Student Leadership Celebration. Whether planning general campus events, advising ASSP and STUB initiatives, or collaborating with other offices in developing new programs, Student Programs assists Seattle Pacific to reach its educational goals.

Student Life Activities

Student activities abound at Seattle Pacific University, giving students many opportunities to pursue personal interests, challenge creativity and leadership skills, and to meet new people. It can be difficult to balance academics with extra-curricular involvement, but by carefully identifying priorities, students are able to make the most of their time at SPU.

Associated Students of Seattle Pacific University (ASSP)

All undergraduate students are members of the [Associated Students of Seattle Pacific \(ASSP\)](#), and volunteers are always needed in each area of the association. If you are interested in participating, please visit the ASSP office on the first floor of the Student Union Building, or call 206-281-2126.

The ASSP office sells tickets to campus and community events; it also offers Metro bus and Seattle Art Museum passes for five hour checkout to any undergraduate student.

The ASSP [executive officers](#) are elected during Spring Quarter to serve a one-year term during the following year. Office positions include president, executive vice president, vice president of campus activities, vice president of campus ministries, and vice president of finance.

Student Senate. [Student Senate](#) is the governing body of students that represents students to the University administration and provides a voice in many University affairs. ASSP senators are elected each spring to serve a one-year term during the following academic year.

The Senate consists of representatives from residence halls, academic departments, commuter students, and intercultural and at-large positions. The body is advised by one representative each from the faculty and [Office of Student Life](#).

ASSP includes the following major areas of service to students:

- **Activities and Events.** Student activities are programmed by the [Student Union Board \(STUB\)](#). This organization plans all-campus events such as the annual Talent Show and Tradition at Christmas. The board consists of an executive director, publicist, and six main-event programmers. Team activities personnel (TAPS) serve as volunteers and work on specific programs and projects that are part of STUB campus programming.
- **Leadership Services.** Leadership services offered through ASSP involve programs such as the Fall Leadership Retreat and other leadership development opportunities throughout the year.
- **University Ministries** (formerly Campus Ministries). Ministry opportunities supported by ASSP include GROUP, [Seattle Pacific Reachout International \(SPRINT\)](#), [Urban Involvement](#), Chapel Worship Team, [Latreia](#) (a service-opportunity referral service), and the [student ministry coordinator \(SMC\) program](#) in the residence halls. For more information, contact the Office of Campus Ministries at 206-281-2966, or visit [University Ministries](#) (formerly Campus Ministries).
- **Christian Faith Exploration.** Visit [University Ministries](#) for information about the current Christian Faith Exploration requirement.

Clubs and Organizations

There are numerous [activities and clubs](#) in which students participate. For a complete, up-to-date listing, please see the links below "Club Links."

Athletic Facilities

[Royal Brougham Pavilion](#) is located next to the ship canal and hosts the SPU basketball, volleyball, and gymnastics home events. Brougham Pavilion is a great place to watch a sporting event. The building also houses the crew boathouse, physical education classes, intramurals, weight room, and fitness center (which has stair-climbers, tread mills, stationary bikes, etc.) and "The Cage," where students can check out a variety of sports equipment.

Wallace Field, located on the east side of Brougham Pavilion, is the primary training facility for track and field. It includes an all-weather track, areas for throws and jumps, plus an infield for intramural softball and football.

Interbay Field is located about a mile west of the main campus at 17th Avenue West and West Dravus Street. This 900-seat facility is the site of all home soccer games.

Langley Tennis Courts are located adjacent to Queen Anne Bowl, which is located a few blocks south of the main campus. Seattle Pacific has access to this facility, owned by Seattle Parks and Recreation. It includes a soccer field and running track.

Queen Anne Community Swimming Pool is located one mile south of the main campus. Classes and open swim times are offered at this facility. Reduced rate passes are available for students at the Uni-Com counter in the SUB.

Intercollegiate Athletics

[Seattle Pacific athletics](#) provides an arena wherein student-athletes are guided toward excellence in physical performance and leadership through the integration of Christian principles and values while participating in intercollegiate sport at the highest possible level. The University is fully committed to the academic success of each student-athlete, to his or her physical welfare and to the principles of fair play and amateurism. SPU is a member of the NCAA Division II and fields the following intercollegiate teams: [men's basketball](#) and [women's basketball](#); [men's crew](#) and [women's crew](#); [men's cross country](#) and [women's cross country](#) and [men's indoor and outdoor track and field](#) and [women's indoor and outdoor track and field](#); [men's soccer](#) and [women's soccer](#), and [women's gymnastics](#) and [volleyball](#).

Mascot/Colors

SPU's mascot is the falcon, and the University colors are maroon and white.

Intramural-Recreational Sports Program

All SPU students are encouraged to participate in our comprehensive program of [intramural competitions and recreational sport activities](#). Opportunities include organized tournaments and free play. Recreational facilities are open to students seven days a week during the academic year. SPU has a fully equipped recreational fitness and training facility available to all students, faculty, and staff. Phone 206-281-2881 for more information.

Career Development Center

The move from college to next steps in your life represents a transition of major importance. The [Career Development Center](#) helps Seattle Pacific University students make effective choices, plans, and transitions based on an understanding of the student's abilities, interests, faith, and vocational calling.

Career exploration assistance is offered through individual counseling, career testing, and classroom instruction. A computerized career guidance system is available to assist students in identifying their skills, interests, and options for work and service. Career Development Center staff teach two courses: GS 2001 Major and Career Exploration, a one-credit course which assists students in making informed choices about academic major and vocational path and GS 3001 Career and Life Transition, a one-credit course assisting students to create a plan for work and service, find a career or vocational path that suits their sense of calling, and conduct an effective job search.

SPU has an outstanding Internship Program, which offers students opportunities to further clarify their vocational calling and to gain professional experience in positions related to their academic studies. Internships are available in a wide range of industries and organizations including accounting, advertising, banking, clothing design, computer programming, engineering, business, TV broadcasting, public relations, social service, and recreation.

The Career Development Center staff also helps students with job search basics, such as writing résumés, improving interview skills, and developing effective job-search strategies. Representatives from national and local companies, government agencies, nonprofit organizations, and school districts visit at career fairs, networking lunches and individual interviews. Job and internship listings are available in SPU's [eRecruiting program](#). Also, a comprehensive placement file service is maintained for [School of Education](#) graduates.

The [Career Center](#) maintains extensive resources. The site contains current information about choosing a major, occupations, employers, graduate schools, career planning, job and internship openings, and other topics related to vocation and career choices.

Center for Learning

Learning Support

Seattle Pacific University faculty members are committed to students' success and available to support their academic achievement. The [Center for Learning](#) provides additional resources and services to support the educational success of all students through study-skills courses, individual learning consultations and learning seminars offered by the professional staff. [Tutoring](#) for a wide variety of courses and the [Writing Center](#) are also located in the Center for Learning. Information on the [ACCESS](#) program, which provides individualized support, monitoring and advising to first year students is available on request. The Center for Learning is open 8 a.m.–6 p.m. Monday–Thursday, and 8 a.m.–5 p.m. on Fridays. For more information, call 206-281-2475, visit [online](#) or in [Lower Moyer Hall](#).

Disability Support Services

Center for Learning staff coordinates [Disability Support Services \(DSS\)](#) for students with learning, psychological, medical, and physical disabilities to provide academic program support and accommodations. A student who wishes to receive services and accommodations due to a disability should do the following things:

1. Provide the disability support services program coordinator with current documentation that has been prepared by a qualified professional in the relevant field. For specific guidelines for each disability contact the disabilities support services program coordinator by [email](#), phone at 206-281-2475 (TTY: 206-281-2224), [online](#), or in [Lower Moyer Hall](#).

2. Meet with the [disability support services program coordinator](#) to discuss the particular needs and appropriate accommodations.
3. For housing accommodations, students with disabilities should contact the disability support services program coordinator by April 1 if they are returning students and want consideration during the spring sign-up process, or by June 1 if they are new students applying for Autumn Quarter housing. Students applying for housing beginning Winter or Spring Quarter should contact the disability support services program coordinator at least six weeks before the start of the quarter.

For information or to schedule an intake appointment, contact the [program coordinator](#) at 206-281-2272.

Health Services

Physical health and health maintenance is vital for student success. Our goals are to empower students to take responsibility for their health and to provide accessible services that complement the academic mission. Nurse practitioners (ARNP) with prescriptive authority provide assessment, evaluation, diagnosis, treatment and management of general health problems. In collaboration with the [Student Counseling Center](#) the nurse practitioners and the psychiatrist coordinate medication evaluations and treatment for mental health concerns. Referrals to specialists are provided when medically indicated.

Health Services is located in [Watson Hall](#) on the first floor and is handicap accessible from the pedestrian walkway ramp. To schedule an appointment, please contact Health Services at 206-281-2231 or visit www.spu.edu/depts/healthservices for more information.

Student Counseling Center

The [Student Counseling Center \(SCC\)](#) supports the mission of the University by providing a variety of counseling, educational, consultation, referral, and mental-health services to SPU students. Our goal is to help students find solutions to the obstacles that may interfere with student learning, retention, and their overall well-being.

The SCC is staffed with professional clinical therapists and professional graduate interns who are committed to the emotional and mental health of SPU students. Services include individual, relational, and group counseling. A registered dietitian is also available to provide nutritional counseling. In collaboration with the Health Services nursing and psychiatric staff, medication evaluation and management is available for students with more serious mental health problems. A six-session per academic year limit is applied in most cases.

To schedule a counseling appointment, students are encouraged to stop by the SCC to fill out a brief intake form. The SCC is located in [Watson Hall](#) on the first floor. Please contact the Student Counseling Center at 206-281-2657 or visit www.spu.edu/depts/sc/ for more information.

Student Records and Confidentiality

Certain items of information about individual students are fundamental to the educational process and must be recorded. This recorded data concerning students is used only for clearly defined purposes and is safeguarded and controlled to avoid violations of personal privacy.

SPU has the responsibility to effectively supervise any access to and/or release of official information about its students. In this regard, the University is committed to protecting the right of privacy of all individuals about whom it holds information, records and files. Access to such records is restricted to the student concerned, to parents of a dependent student, to others with the student's written consent, to officials within the University, and to a court of competent legal jurisdiction.

The following policies have been established to comply with the Family Educational Rights and Privacy Act of 1974 (hereafter referred to as the "Act"):

Public Information. The Act provides that public "directory information" about a student may be made available to third parties without permission of the student. However, public notices must be given of intent to publish the information, so that those students wishing to withhold information from public access (such as an unlisted telephone number) may do so.

Release of Information. With the exception of directory information, no information in any student file may be released to any individual or organization without prior written consent of the student. When disclosure of information is mandated by court order or subpoena, the staff member receiving such orders must immediately notify in writing the student concerned, prior to compliance with the legal order.

Information from University records about students is released for approved research purposes only if the identity of the student involved is fully protected.

Student Access. With certain exceptions, official student information collected and maintained by the University is available for inspection and review at the written request of the student. Clarification of exceptions may be obtained by contacting the University registrar.

A request for general access to all official records maintained by the University must be made in writing to the University registrar. A request for access to information maintained by a particular office may be addressed to the administrative head of that office. When making such a request, the student must provide proper identification. The designated staff person must supervise the review of the contents of the record with the student. The student is free to make notes concerning the contents, but no material may be removed from the record. Student requests for access to appropriate information must be granted within 45 days of the written request. If health reasons or extreme distance from the University prevent the student from inspecting the education record, then copies of specific education records will be made. The student must pay all copying expenses in advance of release of the record. Unless stipulated otherwise in the University's current Undergraduate Catalog, all copies are 25 cents per page.

Student Correction of Education Records. Students who believe that information contained in their education records is inaccurate, misleading, or violates privacy or other rights, may request that the University amend the records. The first step is to contact the University registrar or records custodian.

The University will decide within a reasonable period of time whether or not to do so. If the University declines to amend the student's records, it will inform him or her of the right to a hearing. Upon written request, the University will provide an opportunity for a hearing to deliberate the student's case. However, a hearing may not be requested by a student to contest the assignment of a grade.

If the hearing panel determines that the student's challenge is without merit, the student may place in his or her record a statement commenting upon the information and setting forth reasons for disagreeing with the University's decision. A complete copy of the University's policy concerning the "Act" may be obtained by contacting the Office of Student Academic Services.

Students have the right to file complaints concerning alleged failures by the University to comply with the requirements of the Act. Such complaints should be addressed to the Family Policy Compliance Office, Department of Education, 400 Maryland Avenue Southwest, Washington, D.C. 20202-5901.

For a complete listing of student policies and procedures, visit the [Office of Student Life](#).

Student Publications and Media

Cascade. SPU's student-published yearbook, subsidized by [ASSP](#). Copies may be purchased during Autumn Quarter registration. The yearbooks arrive near the end of Spring Quarter.

The Falcon. SPU's weekly student newspaper, with free copies available in the [Student Union Building](#), [Library](#), [Weter Hall](#), [Otto Miller Hall](#), [Demaray Hall](#), and [Gwinn Commons](#) each Wednesday.

KSPU. SPU's student-run radio station is a variety of shows that airs news, music, and commentary over the television and Internet.

Lingua. An annual student arts journal publishing poetry, short stories, graphics, and photography. Also includes a CD of musical selections.

SPU Directory (SPUD). A pictorial listing of students, faculty, staff, and administration published by ASSP during Autumn Quarter. A copy is distributed to each currently enrolled student. The directory is not to be distributed to anyone who may use it for solicitation purposes, including insurance companies, military recruiters, and churches. Students may request that their personal information be unlisted (such as phone numbers and addresses). Requests are made to [Student Academic Services](#).

University Publications and Publicity

Sources of information about campus events, people, and policies include:

Campus Master Calendar. This calendar provides a centralized collection of campus events and deadlines. If you are interested in submitting an event or simply want to know what's happening on campus, visit the Calendar site.

Undergraduate Catalog. Produced by University Relations and the Office of the Academic Affairs, the *Undergraduate Catalog* contains information about the policies and procedures of the University, as well as listings of all curricular offerings. Also, the names of all faculty and governing personnel of SPU are listed with their appropriate positions.

Faculty/Staff Bulletin. The bulletin contains weekly news and is published by the Office of the University Communications. Articles must be submitted by noon Thursdays, or emailed to bulletin@spu.edu.

Hot Jobs. Published by the Career Development Center and distributed electronically twice a month during the academic year, Hot Jobs highlights career events, on-campus interviews, as well as internships. It is available by subscription and at the website www.spu.edu/depts/cdc.

Response. This magazine is published four times a year by the Office of University Communications. It is the primary means of communication between SPU and more than 44,000 of its constituents. *Response* readership consists of alumni, friends of SPU, donors, churches, corporations, and the parents of current and newly admitted students. .

SPU website. The University's website is located at www.spu.edu. It provides visitors with access to all types of information about the University, including academics, admissions, athletics, registration, directory of personnel, housing and food services, student and faculty home pages, and many other campus programs and events.

Online Time Schedule. Lists the times, places, and professors for each class. The *Online Time Schedule* is located through Banner by going to the SPU Virtual Campus *Catalog* and Online Time Schedule.

To the Point. An all-campus news sheet published by the [Office of Student Life](#) each Wednesday, this newsletter includes information that must be submitted through www.spu.edu/news/submitdigest.html no later than noon on Mondays.

Uni-Com. The campus information and service desk located on the first floor of the Student Union Building.

Campus Cards (I.D. cards)

At the beginning of the students' first quarter at SPU, they are issued a Campus Card (campus I.D. card) at no charge. Faculty and staff also receive the cards.

The Campus Card is used for the following purposes: (1) photo identification; (2) meal-plan access; (3) entrance into residence halls and selected campus buildings (including exercise and weight rooms); (4) SPU library privileges; and (5) admission to, or discounts on, certain SPU-sponsored events (sporting events, theater productions, etc.).

If necessary, a student may obtain a replacement Campus Card (lost/stolen/damaged) at the Office of University Services during regular business hours for a \$20 fee. If you lose your card or it is stolen, please notify University Services immediately so that your card can be given inactive status to ensure your security.

If you have misplaced your card, you may purchase a three-day, temporary card for \$5. It will allow you access to Gwinn Commons and the Library, but it is not valid for accessing Advantage and SPU Points. If you do not have a valid SPU Campus Card or a temporary card, you will be expected to pay cash at all food-service locations on campus.

A Campus Card is only for your use. If you allow another to use your card to access food service, building entrance, or identification, both parties will be subject to disciplinary actions.

University Services

3220 Sixth Avenue West

Phone: 206-281-2658 (on campus, dial x2658)

Hours: Monday-Friday, 8 a.m.-5 p.m.

Email: UniversityServices@spu.edu

Motor Vehicles

Parking Assignments. Residential parking lot assignments are assigned based on the student's living area, year in school, and the date that the application is turned in. Residents of Ashton, Emerson, Hill, Falcon, Davis, and Robbins are eligible for assignments in the parking areas of their respective buildings. Any on-campus resident is eligible to apply for a space in the Dravus lot, which is located next to the Library. Level 2 is designated as on-campus resident spaces. Levels 1, 3, 4, and 5 are designated for commuter students, faculty, and staff. Commuting students may also apply for a parking permit in one of the designated commuter parking lots. These spaces are also assigned on a priority basis. A quarterly fee is charged to the student's account when an assignment is made. Students who do not receive a parking space in a lot will be put on the waiting list for the lot they prefer.

Each lot has at its entry points a sign stating which decal designation is allowed to park within it. Vehicles of students who have received a residence hall lot assignment are designated "Resident" on their parking decals. For other students, a "Commuter" designated decal will determine which parking lot may be used.

During evenings after 4 p.m., weekends, and summers, parking permits are not required. Parking is allowed in any of the available spaces that are not numbered or reserved, with the exception of the small administrative lot next to Demaray Hall.

Parking Regulations. Anyone operating a motor vehicle on campus is required to be familiar with the University parking regulations. Regulation booklets are available in the [Office of Safety and Security](#).

Vehicle Registration. Every motorized vehicle brought to campus, either for temporary or for year-long use, must be registered with the Office of Safety and Security.

Students: Vehicles may be registered at any time during the year by applying in person at the Office of Safety and Security.

Visitors: Visitors may obtain daily guest parking permits at the Office of Safety and Security. A guest-parking permit will allow a visitor to park in any commuter lot.

Proper vehicle identification allows the University to contact students in case of an emergency. The registration decal must be placed so that it is clearly visible at a distance of 30 feet from the vehicle.

There is no cost to register a vehicle. However, failure to register any vehicle brought to campus, or failure to properly display the decal issued for a vehicle, will result in a fine. Any vehicle changes or changes in registration must be reported to the Office of Safety and Security within 10 days of the change.

Towing and Ticketing. Students parking in a space not assigned to them are subject to immediate towing or ticketing by Safety and Security patrols. Complaints by assigned owners of parking spaces should be directed to the [Office of Safety and Security](#) (on campus, dial x2922).

The Seattle Police Department tickets all cars violating city regulations, including cars parked on restricted parking strips or too near driveways.

Traffic Fines. The owner of a vehicle brought to campus is accountable for the vehicle at all times, regardless of who is driving when a violation occurs. Traffic fines are automatically charged to a student's account. A schedule of fines is included in the parking regulations booklet available in the Office of Safety and Security.

Should a vehicle owner wish to protest a traffic fine, a complete [parking petition](#) must be filed in the Office of Safety and Security within 30 days of the date and time the violation was cited. Petition forms are available in the [Office of Safety and Security](#) and [online](#).

Liability. SPU does not assume liability or responsibility for motor vehicles parked on University property or adjacent streets, nor for the contents of these vehicles.

Petitions for Exceptions to Policies

Occasionally a need arises for an exception to established University policy. Examples include Chapel attendance and on-campus housing. In this event, students must secure a petition form from the appropriate department in the Office of Student Life. Requests should be stated in a concise, logical manner. Discussion of the request may be scheduled with the designated staff member.

Changes in academic policy are considered by the Academic Policies Committee and approved by the Faculty Senate. Requests for variations from current standards must be submitted to [Student Academic Services](#), where the petition forms are available. Petitions should be submitted at least two quarters before desired action is needed.

Academic Policies and Procedures

[Advising](#)
[Standards of Scholarship](#)
[Student Class Status](#)
[The Academic Schedule and Load](#)
[Registration](#)
[Withdrawals](#)
[Special Programs and Courses](#)
[Grading](#)
[Graduation](#)
[Transcripts](#)
[Transportation Policy](#)

ADVISING

Faculty Advising: Key to a Successful Academic Experience

One of the primary factors contributing to a successful academic experience is the positive relationship built between students and faculty. Faculty advisors reach out to students to assist them through the University system and to enable them to fulfill their educational goals. Students have the responsibility of seeking out their faculty advisor for assistance in clarifying goals, exploring areas of interest, and selecting classes each quarter. Although Seattle Pacific University makes every effort to assist students through the academic advising system, the final responsibility for meeting all academic and graduation requirements rests with each individual student.

Assignment of Faculty Advisors

The director of faculty advising assigns faculty advisors for all new undergraduate students. Freshmen are advised by their [University Seminar](#) professor during their first year and are assigned to an advisor in their area of academic interest during the spring. Transfer students are assigned to faculty in their designated area of interest. New students are notified of their advisor assignment before they register for their second quarter of classes at SPU. Students may request a change in advisor, particularly if they have decided to pursue a major or have developed different interests. Students can change their advisor in [Banner](#) under "Student Menu/Academic Progress Menu."

Advisor Approvals for Registration

To obtain guidance in the timely completion of a baccalaureate degree, undergraduate students who have not been accepted into a major are required to see a faculty advisor each quarter to receive permission to register. Students participating in the ACCESS program will need to meet with staff in the Center for Learning prior to being granted permission to register. Entering freshman and sophomore transfers are required to apply for a major and request a major advisor no later than April of their sophomore year. Transfer students who enter as juniors or seniors are required to apply before they have completed 30 SPU credits. Once students have been accepted into a major, they are encouraged to continue to meet with their faculty advisor on a consistent basis.

Undergraduate Academic Counselors

Every student is assigned an [academic counselor](#) in Student Academic Services who follows the student's progress from admission through graduation. The undergraduate academic counselors assist students and provide support for faculty by planning and facilitating the New Student Advising and Registration Program for incoming students, advising students during their initial quarter at SPU, evaluating transcripts for transfer students, completing graduation checklists, and awarding honors and degrees. The academic counselors are also responsible for assisting students on academic probation. [\[Back to top\]](#)

STANDARDS OF SCHOLARSHIP

Emphasis on Scholarship

Seattle Pacific University seeks to inspire in each of its students a sincere appreciation for genuine scholarly work and an earnest desire to study. The faculty Undergraduate Policies and Evaluation Committee has immediate jurisdiction over all questions pertaining to scholarship and is responsible to the faculty for maintenance of University standards.

Academic Integrity

Definitions

A breach of academic integrity occurs when a student receives academic benefits he or she did not earn through his or her own work by cheating or by plagiarism. In its more blatant forms, academic dishonesty includes copying

another's work on an exam; preparing for an exam by using test questions from a stolen exam; bringing concealed answers to an exam; turning in another person's work as one's own; or committing plagiarism (i.e., copying portions of another's words from a published or electronic source without acknowledging that source).

It is not dishonest to discuss possible answers to an exam question as part of a study group, to discuss ideas for a paper with other members of the class, or to ask a friend to read a draft of a paper for suggestions to improve it, unless the professor has prohibited these activities.

It is not dishonest to summarize, paraphrase, or quote the words of others in a paper, presentation, or other academic work so long as the student acknowledges the sources with appropriate citations.

Expectations and Procedures

Expectations regarding academic integrity are outlined here in the *Undergraduate Catalog*. Additional expectations may be defined in the class syllabus and/or department policy handbooks. Both students and the professor in each class have the obligations to report and prevent cheating, plagiarism or other academic misconduct. In the event either that the instructor suspects academic misconduct or that such conduct is reported, the instructor will adhere to the following guidelines:

1. Prior to a formal meeting, the instructor will gather information from the student or others to determine any issues in question.
2. If the instructor verifies that an act of academic dishonesty has occurred, the instructor must make a reasonable attempt to hold a conference with the student to discuss the misconduct. At this time, the instructor will explain the procedures for adjudicating the case.
 1. In the event that the student fails to respond in a timely manner to the professor's request for a conference, the case may be turned over to the chair or dean for action. (See [Lifestyle Expectations](#) #2, 5, 10.)
3. The department chair or dean must be notified of the incident for the purpose of information and guidance. The chair or dean must notify the office of the associate vice president for academic affairs (AVPAA) regarding the incident to determine any history of like activity and unusual circumstances.
 1. The AVPAA must notify the dean of student life for any proposed action in addition to the faculty member's action. (This action will be undertaken as a separate procedure from the instructor's meeting and decision.)
4. If, following the conference, the instructor (or the chair or dean in the case of 2.1 above) is convinced that the student violated the academic integrity policy, appropriate action will be initiated. The penalty imposed will be commensurate with the seriousness of the offense. Such penalties may range from loss of credit for the work in question to loss of credit for the entire course.
 1. Flagrant dishonesty, violations of academic integrity associated with a criminal act (e.g., breaking into a building or office), and/or with concerted group effort will be immediately referred to the chief judicial officer and/or dean of student life for disciplinary action.
5. This decision(s) will be reported in writing to the student and the chair/dean. A copy of the decision(s) will be sent to the AVPAA. The AVPAA and the school dean will decide whether documentation of the incident and decision will be included in the student judicial record in the Office of Student Life.
6. If the student appeals any decision, the appeal will move through the process as outlined in "Academic Appeals" and the "Appeal Process" directly below. A copy of all decisions, including appeals, will be sent to the office of the AVPAA and/or the [Office of Student Life](#) as determined by the AVPAA and dean.

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Academic Appeals

The section that follows provides a formal statement of policies and procedures if you, as a student, wish to appeal an academic decision affecting you with which you do not agree. There may be instances where you disagree with an instructor's actions but do not wish to lodge a formal complaint. In such instances, you, the student, should always speak to the instructor first. It is best to make an appointment to meet the instructor in his or her office rather than trying to handle an important issue after class or in a casual meeting on the sidewalk. Present the reasons for your complaint to the instructor in a clear manner and listen to the instructor's response. This may eliminate any misunderstanding or miscommunication. If your grievance is not resolved after this conversation and you wish to continue to pursue the matter, follow the process outlined in the following section.

Appeal Process

Seattle Pacific University provides a process whereby a student may appeal an academic decision, including, but not limited to, grades on course activities; evaluations; course grades; decisions on program admissions; and decisions on fulfillment of program and graduation requirements. [\[Back to top\]](#)

Academic appeals may be made only on grounds of unfair treatment against the stated standards, not against the professional judgment of the faculty member(s). The intent is always to resolve the appeal at the most immediate level. Only in extraordinary circumstances, when a resolution cannot be obtained at the first level, is the process moved to the next level.

In each case, the student shall bring the appeal in writing to the person or committee who made the original decision. If a resolution is not obtained at that level, the student may appeal to the next level in the school or University administrative structure.

Guidelines for Academic Appeals

1. The student's appeal must be made in writing within five calendar days after he or she received the decision from the faculty member or committee.
2. Every attempt shall be made at each level to resolve the issue according to ethical practices, accreditation standards, and University policy.
3. The person making the appeal should provide the necessary supportive information to substantiate his or her appeal.
4. If for any reason a case is appealed beyond the faculty member or faculty committee, an appeal file shall be created. This file will contain written documentation related to the case including, but not limited to, the student's written appeal and the faculty response. The appeal file shall be open to all principals in the case, including the student appellant. [\[Back to top\]](#)

Levels of Appeals

Appeals on final grades must be submitted within one quarter of the grade being awarded. For appeals on academic decisions such as grades on course activities, evaluations, course grades, and decisions on program admissions, the levels to be followed in order are the following:

1. Course instructor or ad hoc faculty committee appointed by department chair
2. Department chair
3. School dean
4. Vice president for academic affairs
5. President

Academic petitions regarding general University matters such as decisions on graduation requirements or other *Catalog* academic regulations may be made in the following order:

1. Student Academic Services
2. Undergraduate Policies and Evaluation Committee
3. Vice president for academic affairs
4. President (The decision of the president in any student appeal is final.)

STUDENT CLASS STATUS

Undergraduate, post-baccalaureate, and graduate definitions assume that students have been admitted to the University. Matriculated students are classified at the beginning of each quarter according to the following designations:

Undergraduate Students

<i>Freshman</i>	1–44 earned credits; includes SPU and transfer work accepted.
<i>Sophomore</i>	45–89 earned credits; includes SPU and transfer work accepted.
<i>Junior</i>	90–134 earned credits; includes SPU and transfer work accepted.
<i>Senior</i>	Minimum 135 earned credits; includes SPU and transfer work accepted (senior status does not necessarily ensure graduation with that class).

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Post-Baccalaureate Students

Students who have received the baccalaureate degree and are seeking a second bachelor's degree or initial

teacher certification are considered post-baccalaureate students. Admission to this classification is by [application only](#).

Graduate Students

Graduate students are master's or doctoral candidates. Admission to this classification is by application only. Seattle Pacific now offers [11 master's degrees and three doctorates](#).

Matriculated Students

Students who have fully met the requirements for admission and have registered for courses in the quarter for which they were admitted (designated as undergraduate, post-baccalaureate, graduate, or doctoral students) are matriculated students. A limited number of students who do not meet all the admission requirements may be admitted to the ACCESS program, which is designed to provide additional support to undergraduate students endeavoring to develop the competencies necessary for academic success. These students will work closely with a special advisor and may take between 12 and 14 credits per quarter while adjusting to the academic expectations of SPU. [\[Back to top\]](#)

Non-Matriculated Students

Students who are not seeking a degree who are allowed to attend SPU without submitting the credentials required for admission with regular status are non-matriculated. The maximum credit load per quarter is 20 credits. No more than 45 credits taken as a non-matriculated student may apply toward an undergraduate degree, and no more than 15 such credits may be applied to a post-baccalaureate degree, nor can more than 9 such credits apply toward some graduate degrees. A later decision to work on a degree or certificate program will necessitate formal application and admission to the University as a matriculated student.

Auditors

A person who wishes to attend class but who does not desire credit is an auditor. With approval from the instructor concerned, auditors may register to audit any undergraduate course and most 6000-level courses. Students may change from audit to credit or vice versa during the quarterly add period published in the [University Calendar](#). They may neither participate in class discussions nor take examinations. If they do daily assignments, the instructor is under no obligation to read or correct them. Courses that are audited do not count toward financial aid. Students who are unable to remain at the University because of low grades, and new applicants who do not qualify for admission, may not register as auditors. A student may receive credit for an audited course only by enrolling in it as a regular student in a subsequent quarter. Tuition rates for auditors will be equal to the tuition credit rate. [\[Back to top\]](#)

THE ACADEMIC SCHEDULE AND LOAD

Academic Schedule

Seattle Pacific University uses a quarter calendar that spans three quarters (Autumn, Winter, and Spring quarters), each consisting of 10 weeks of instruction. Classes are arranged in a block schedule format: 5-credit courses are generally offered in either 90-minute periods three days a week or 150 minute periods two days a week. Except during Summer Session(s), there is an interval of 10 minutes between periods, and a Chapel assembly is scheduled at 9:30 a.m. on Tuesdays. Forums are at 9:30 a.m. on Thursdays. SPU also offers a variety of evening, weekend, and summer classes. Most summer courses take place over two four-week sessions and vary from traditional classes in length and structure.

Final Examinations

A special two-hour class meeting is scheduled for most courses during the last three days of every quarter. The final exam period is considered an instructional period; classes are expected to meet during the scheduled time whether or not a final exam is given.

If a student has more than two exams on any day, he or she may reschedule one of the exams with the instructor at a mutually convenient time. An instructor may refuse a student's request to reschedule a final examination. However, instructors may schedule an early final exam for a student under the following conditions:

1. The student is able to demonstrate appropriate mitigating circumstances that, in the judgment of the instructor, warrant rescheduling the final exam.
2. A rescheduled final exam is given no earlier than four working days prior to the last day of the final examination period.
3. The student's request to reschedule a final exam is made at least two weeks before the regularly scheduled final exam period.

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Definition of Credit

One "credit" signifies the value toward graduation of a class meeting one period of 50 minutes each week for a quarter of approximately 10 weeks together with satisfactory completion of the assigned out-of-class work. Two (and sometimes three) 50-minute periods of laboratory work are regarded as equivalent to one such period of regular class work. The SPU "credit" is a "quarter" credit and is equal to two-thirds of the "semester" credit in use at some institutions. (For instance, 45 quarter credits are equivalent to 30 semester credits.) It is expected that students will spend at least two 50-minute periods of work outside the classroom for each 50 minutes in class.

Enrollment Status.

Enrollment status for undergraduate and post-baccalaureate students is determined by the following:

12–18 credits	full time
9–11 credit	three-quarter time
6–8 credits	half time
1–5 credits	less than half time

Permissible Academic Load

The term "academic load" refers to the schedule of studies for which the student is registered. Twelve to 18 credits are considered a regular academic load for undergraduate and post-baccalaureate students. Although Summer Session consists of more than one session, to be considered full time a student must be registered for at least 12 credits within the entire Summer Session. To assist in their academic success and aid in the transition from high school to college, freshmen are not allowed to register for more than 18 credits.

By special permission from the University registrar, undergraduate and post-baccalaureate students who maintain a high scholarship standard may be permitted to register for as many as 20 credits. Under no circumstances will any student be allowed to register for more than 20 credits including music, physical education, and all fractional credits. It should be noted that there is an additional tuition charge for 19 or more credits.

Courses taken concurrently in a classroom; by distance learning, correspondence, or extension in another institution; and non-credit courses count as part of the academic load. These courses do not count in regular undergraduate tuition and may not count in financial aid. [\[Back to top\]](#)

Reduction or Limitation of Load

An undergraduate student's academic load is subject to reduction or limitation from the University registrar for low scholarship. Experience suggests that most students should limit academic load in proportion to hours of employment outside of school hours. The following schedule suggests a relationship between the student's academic load and outside work:

Outside Work Per Week	Load Recommended
14 hours or less	15–20 hours or less
15–20 hours or less	12–14 credits
21–30 hours or less	10–12 credits
More than 30 hours	6–10 credits

Eligibility for Honors and Activities

Students who are registered for less than a full-time academic load are not eligible to be rated for scholarship honors. To participate in extra-curricular activities, students must maintain a satisfactory cumulative grade-point average. Consult the [Office of Student Life](#) for specific requirements.

Specific Intercollegiate Athletic Eligibility

A student athlete in an intercollegiate sport must be enrolled in a minimum of 12 credits to be eligible for practice and competition. In addition, by the beginning of the student-athlete's second academic year, the student must

achieve a cumulative GPA of 2.0 (C) or higher to be eligible for competition. All other NCAA bylaws regarding eligibility must also be met. [\[Back to top\]](#)

REGISTRATION

Registration on the Web

Seattle Pacific University offers students the opportunity to register for classes from the SPU website through [Banner](#). Registration for the quarter begins during the last few weeks of the preceding quarter and ends on the fifth day of the quarter at 5 p.m. Once web registration has ended, students must come to [Student Academic Services \(SAS\)](#), or mail or fax in a written request to withdraw from classes.

Students are expected to be registered for the next quarter by the last day of finals. Students may lose their opportunity to return if they are not registered by the deadlines. A late registration fee of \$50 may be charged for late registration.

Academic Year Registration deadlines:

Autumn Quarter: Register by last day of finals Spring Quarter

Winter Quarter: Register by the last day of finals Autumn Quarter

Spring Quarter: Register by the last day of finals Winter Quarter

Add/Drop: Fifth day of the quarter

Note: Internships, independent studies, and individual instruction in music have the extended registration deadline of 10th day of the quarter.

Registration for internships, independent study, distance-learning, and travel-study courses must be processed in SAS and cannot be accomplished over the web. Students must come to [SAS](#), or mail or fax in their registration forms to register for these classes.

Summer Quarter Registration deadlines:

Adding classes: Students must register prior to the first day of the course. Registrations will not be accepted once a course has begun.

Dropping classes: Students must drop the course before the class ends. Once the course has ended, students will not be allowed to withdraw.

Note: Internships, independent studies, and individual instruction in music have the extended registration deadline of **July 9**.

Registration Restrictions

Registration restrictions have been designated for certain courses. The phrase "Class open to" identifies who may register for the course. The phrase "Class not open to" identifies who may not enroll in the course. The registration restrictions may be based on student level, student classification, or declared major.

Student Holds

Holds are placed on a student's account for different circumstances. Each hold prevents basic University privileges, such as, but not limited to the right to register, add/drop classes, or receive copies of official transcripts.

Listed below are the types of holds that are placed on accounts and the offices to contact regarding them.

Type of Hold	Office
Academic Dismissal	Student Academic Services
Academic Probation	Student Academic Services
Access Signature Required	Center for Learning
Account Deposit Required	Office of Admissions
Advance Payment Needed	Office of Admissions
New Admit Registration	Student Academic Services
English Proficiency Test Required	Office of Humanities
Faith Exploration Hold	Campus Ministries
Health History Required	Health Center
Housing or Meal Plan Issue	University Services
I-9 Form	Student Financial Services
Incorrect Address	Student Academic Services
Judicial/Behavioral	Student Life
Math Lab Required	Student Academic Services
Math Proficiency Exam Required	Math Department
Meet With Faculty Advisor	See Your Faculty Advisor
Must Complete English Requirement	Student Academic Services
No Schedule Changes Allowed	Student Academic Services
Past Due Account	Student Financial Services
Registrar's Hold	Student Academic Services
SFS Account Severely Past Due	Student Financial Services
SFS Past Due Loans	Student Financial Services
Unapproved Housing	University Services

Changes in Registration

Though choices made during the registration period are considered permanent, students are permitted to change their registration through the fifth day of the quarter. The deadline for withdrawing from courses is the sixth week of the quarter. Specific dates for these registration deadlines are listed in the online [University Calendar](#). Students who are receiving financial assistance are encouraged to speak to a [Student Financial Services](#) representative before making a change in course load. [\[Back to top\]](#)

Extended Registration Deadlines

Some courses require extra time to get special paperwork completed (independent study, internship), work on a special assignment (independent projects or research), audition (certain performance groups), or set up individual instruction. For these types of courses, students are allowed to register through the 10th day of the quarter. To see if this extended registration deadline applies to a specific course, please contact [Student Academic Services](#).

Adding Classes

Students are permitted to change their registration as long as the change is submitted by the fifth day of the quarter (refer to the [University Calendar](#) for specific dates). Students may not attend or sit in classes unless officially registered. Day and evening classes (classes beginning after 4:30 p.m.) must also adhere to this deadline. No registrations will be accepted after the fifth day of the quarter.

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Waitlisting Closed Classes

Students have the option of waitlisting any classes that are closed. As space becomes available in closed classes, waitlisted students will be registered on a first-come basis. Students may waitlist only two classes per quarter. Students will be notified in writing when they are entered into a class via the waitlist. If the waitlisted class creates a time conflict or exceeds the maximum credit load for the student, it will not be added to the student's schedule and the student will be dropped from the waitlist. Students may waitlist a class via the web. Directions are provided that outline the process students need to follow to waitlist a class.

Students may choose to withdraw from the waitlist for a course by sending a written request to [Student Academic Services](#) or by dropping via the web.

The waitlist program is effective through 11:59 p.m. on the second day of the quarter. All schedules will be final at that time. Refer to the [University Calendar](#) for these dates. The waitlist is not in effect after the second day of the quarter. [\[Back to top\]](#)

WITHDRAWALS

Withdrawal From Classes

The policy for withdrawing from a class is as follows:

- A withdrawal from a course during the first week of the quarter will not appear on the transcript.
- A withdrawal from a course during weeks two through six of the quarter will be noted with a "W" on the transcript.
- No withdrawals are accepted after the sixth week of the quarter.
- If a student does not provide proper written notification to Student Academic Services, financial obligations will remain binding, regardless of whether classes were attended or whether any contracted services were utilized.
- If a student does not withdraw from a course by the end of the sixth week of the quarter, but stops attending the course, the student will receive the grade earned.
- Should the student desire to complete the course during a future quarter, the student will be required to register and pay the current tuition for the course.
- After the fifth day of the quarter the student must obtain the required signatures to withdraw from a course. Withdrawal forms are available by [clicking here](#) (pdf).

Complete Withdrawal From School

A student who desires to withdraw from Seattle Pacific University must submit a written request to [Student Academic Services](#) or withdraw via the web. The web withdrawal is available only until 5 p.m. on the fifth day of the quarter. Refunds and adjustments to the student's account are governed by the financial policies listed in the [Costs and Financial Aid](#) section.

A student who registers but does not attend classes must notify Student Academic Services in writing in order to cancel his or her registration and related charges. The date this notice is received will determine the amount of refund where applicable. After the fifth day of the quarter the student must submit the appropriate withdrawal form.

If a student fails to withdraw through Student Academic Services by the end of the sixth week of the quarter, the student will receive the grade earned.

To be eligible for a refund of parking fees, the student must inform the [Office of Safety and Security](#). Parking refunds are calculated in accordance with the tuition refund policy. [\[Back to top\]](#)

Administrative Withdrawals Requested by Instructors

If the instructor or advisor receives notification that a student will not be attending, the instructor may contact Student Academic Services and request that the student be administratively withdrawn from the course. Also, if a student does not attend class within the first two days of the quarter, an instructor may ask Student Academic Services to administratively withdraw a student from the class. If a student knows that he or she will miss the first class, it is best to notify the instructor to avoid being withdrawn from the class.

Administrative Withdrawals Requested by Student Financial Services

Student Financial Services has the right to have a student completely withdrawn from classes due to an unpaid balance. [\[Back to top\]](#)

LEAVE OF ABSENCE

We understand that students may need to take a leave of absence from the University for financial reasons, or for personal considerations such as illness within families, medical reasons, or special educational opportunities not available at Seattle Pacific University.

Term-based, credit-hour institutions like Seattle Pacific University as a rule do not meet the conditions of a federally-approved leave of absence; therefore if the student is receiving federal financial aid and withdraws or takes a leave of absence from the University, the student may be subject to the federal Return of Title IV and state financial aid return policies and to the terms of their student loan(s). International students are bound by particular federal laws with regard to leave of absence; therefore this policy does not apply to them.

NOTE: Students must notify [Student Financial Services](#) about any change in planned period of enrollment, whether due to withdrawal from a class, a leave of absence, or withdrawal from the University. The specific requirements by which the student agreed to abide at the time any financial aid was accepted will remain in effect.

Students do not apply for readmission to SPU if they take a leave of fewer than nine quarters. The student will be responsible to complete the same degree requirements as expected upon his or her first quarter of matriculation at the University. An associate degree completed during a leave of absence of fewer than nine quarters will not be recognized by the University.

Students approved for leave will maintain their priority registration appointment upon their return to SPU. If a student plans to attend another college while on leave, the student must gain prior approval for courses from an undergraduate academic counselor in Student Academic Services. Official transcripts should be sent to Student Academic Services for credit evaluation according to transfer policy.

[Leave of Absence](#) (pdf) applications are available online and on the forms rack in the Demaray Hall lobby (first floor) or on the link provided. The student must complete the application, including a date, signature, and statement of reason(s) for requesting the leave of absence and return it to Student Academic Services.

While a student is on leave of absence, the University will report the student's enrollment status to lenders and loan service entities as "not attending," and a student loan borrower's grace period will begin. Students on an SPU leave of absence who do not attend school elsewhere for two consecutive quarters (including summer), or who attend another institution less than half time for two or more consecutive quarters (including summer) will be expected to begin repayment on some or all of their loans. Students are advised to contact their lender(s) regarding their enrollment plans and for repayment information and grace period expiration.

Additional leave of absence requirements:

- Students are not eligible to reside on campus, attend classes, or participate in regular campus activities during their absence.
- Students are responsible for all prior arrangements with applicable student service offices (i.e., [Student Financial Services](#), [Student Academic Services](#), [University Services](#), [Residence Life](#), [Athletics](#), etc.)
- Students must keep the University apprised of their current contact information, including mailing address and phone number, while on leave of absence.
- Students must meet all regular University deadlines for registration, housing reservations, financial aid applications, and similar matters. Financial aid/scholarship awards and University housing reservations do not automatically carry over.

REGISTRATION PETITIONS

It is expected that all students adhere to registration deadlines. However, registration petitions are requests for exceptions to regular policies and procedures. The petition process provides students and faculty with the possibility of a response outside the normal bounds of policy when extenuating circumstances are judged to warrant such a response. Extenuating circumstances include illness, injury, death in the family, or problems with immigration. Registration holds unresolved by the deadline or poor performance in a class do not constitute extenuating circumstances and are not grounds for petition. The petition must not only voice the request, but must also substantiate the validity of the request.

[Registration petition forms](#) (pdf) are available online and on the forms rack in the Demaray Hall lobby (first floor) or on the link provided. Instructions for completing the petition process are listed on the form. A student seeking late registration must seek permission from the instructor to sit in the class while the petition is pending. In all cases, the final decision to approve or deny a petition will be made by [Student Academic Services](#). SAS reserves the right to deny any petition for any reason. Each approved petition will incur a \$50 change of registration fee.

SPECIAL PROGRAMS AND COURSES

Credit by Examination

Currently enrolled matriculated students may take special examinations in approved academic subject matter offered by Seattle Pacific University to gain credit without being enrolled in specific courses. The procedures for obtaining permission and filing the request are to be obtained in Student Academic Services. The following limitations pertain to credit by examination:

1. A student may receive credit by examination for any coursework that has been completed following high school graduation for which he or she has no formal record.

2. A student may be tutored by a private instructor and challenge a course for credit by examination.
3. A student may not take credit by examination for a course in which he or she has been registered for credit at SPU and received a D, E, NC, Audit, or Incomplete.
4. A student may earn a maximum of 45 quarter credits by examination, including SPU challenge examinations, Advanced Placement (AP), College Level Examination Program (CLEP), International Baccalaureate (IB), National Council Licensure Exam for Registered Nurses (NCLEX), and the Proficiency Examination Program (PEP), none of which will apply to the 45-hour resident requirement.
5. Within a given major, no student may receive credit by examination in subject matter more elementary, as determined by the dean of the school, than that for which credit has been received previously.
6. A student may not repeat an examination for credit.
7. A student may not receive credit by examination for lower division language courses in the student's native language, if that language is other than English.
8. A student is entitled to only one consultation with the professor administering the test.
9. A student must pay for all special exam fees prior to scheduling and taking the exam.

Independent Study

Independent study courses are courses in which a student does specific work independently with the instructor, as outlined in the official Independent Study Agreement. Work for an independent study occurs outside of the classroom setting. An independent study should be created only when a needed class is not available for a particular quarter, or when a student cannot accommodate a class in his or her schedule. Students should not attend a class being offered and use that as part of the independent-study credits. Independent studies can be created in situations when a student wishes to study a topic not covered in an actual course in the University catalog. Only matriculated students at Seattle Pacific University may register for Independent Study. The [Independent Study form](#) (pdf) must be completed by the student and signed by the instructor and the dean or department chair. The instructor and student must meet on a regular basis for the number of consultations noted in the agreement.

Registration for an independent study must be submitted to Student Academic Services no later than the 10th day of the quarter (see the [University Calendar](#) for specific dates). Student Academic Services will create the course as noted on the agreement. Copies of the agreement will be forwarded to the instructor and the student. [\[Back to top\]](#)

Travel Studies Program

Throughout the academic year and summer Seattle Pacific University offers or participates in several programs that allow students to study in other geographic locations. These study opportunities are divided into two categories: SPU credit and transfer credit. They are as follows:

SPU credit. Classes that offer Seattle Pacific University credit are scheduled and listed in the [Time Schedule](#) and this *Undergraduate Catalog*. In order to receive credit, students are expected to register for the courses no later than 30 days prior to leaving for the tour. Students may be eligible for financial aid while participating in the SPU Travel Studies program; however, students should check with Student Financial Services for complete details. An SPU faculty member is responsible for coordinating and grading the students in the program. To obtain more information on the travel studies program through SPU, contact Student Academic Services, the appropriate department, or [Special Studies](#). [\[Back to top\]](#)

Transfer credit. There are also programs outside of Seattle Pacific University that are offered for credit through other institutions. Students may take a leave of absence from SPU for the duration of the travel-study program. Limited financial aid may be available. Check with Student Financial Services for complete details. For further information, check with the department that is sponsoring the program, or visit [Special Studies](#).

Veterans' Benefits

Seattle Pacific undergraduate and graduate academic programs of study are approved by the Washington State Approving Agency (SAA) for enrollment of those eligible for benefits under Title 38 and Title 10, U.S. Code. Seattle Pacific professional development courses (5000-5999) are not approved by the Washington State Approving Agency for enrollment of those eligible for benefits under Title 38 and Title 10, U.S. Code. [\[Back to top\]](#)

GRADING

Grades and Points

Except in cases of clerical error, no instructor may change a grade that he or she has submitted to Student Academic Services. The quality of a student's performance in a course is recognized by a letter mark or grade, which is counted in points. Grade points (or quality points) are the numerical equivalent of letter grades and are assigned for each credit earned with a given grade according to the scale indicated below. For example, the grade of A in a 5-credit course would give the student 20 grade points. These points express the quality of a student's

performance in terms of numbers for the purpose of determining scholastic achievement and individual and graduation honors.

Grade Point Average

A student's grade point average (GPA) is determined by dividing the total number of grade points earned during a given period by the number of credits for which the student was enrolled and for which he or she received a regular grade during the same period. For example, if a student earns 45 grade points during a quarter in which he or she is enrolled for 15 credits, his or her GPA for the quarter will be 3.0.

<u>Grade</u>	<u>Points</u>	<u>Explanation</u>
A	4.0	Excellent Attainment
A-	3.7	
B+	3.3	
B	3.0	Highly Satisfactory Attainment
B-	2.7	
C+	2.3	
C	2.0	Satisfactory Attainment
C-	1.7	
D+	1.3	
D	1.0	Insufficient Attainment with credit allowed
E	0.0	Insufficient Attainment with no credit allowed
Au		Audit
P		Pass (used only with the Pass/ No Credit option)
NC		No Credit (used only with the Pass/No Credit option)
I		Incomplete
N		In Progress
W		Withdrawal with official approval

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Use of I, N, W Grades

The "I" grade (incomplete) indicates that the student did not complete the work assigned for a course because of absence from school during the quarter due to illness or an acceptable emergency. Work must be completed within one calendar year or the I becomes an E. The agreement between the instructor and student must be arranged prior to the final examination or last class session. The student must initiate the request for the I grade as well as for its removal.

The N grade is used only in specified courses in which a "final" grade is dependent upon additional work. The N grade indicates that work is satisfactory to date, but carries with it no credit or "final" grade until all work is completed. Work must be completed within one calendar year or the N becomes permanent.

A student cannot carry more than 20 credits of incomplete grades without prior approval from the registrar.

Withdrawal from a course with official approval during weeks two through six of the quarter will result in a W appearing on the transcript. [\[Back to top\]](#)

Audit

Any SPU course may be audited, with the exception of some graduate courses. Please refer to the *Graduate Catalog* for additional information. Students may change from audit to credit or vice versa during the quarterly registration period as published in the [University Calendar](#). For more information regarding auditing a course, please refer to the [Student Class Status section](#).

Pass/No Credit Option

1. The P grade in this option must be at least equivalent to a C grade (2.0).
2. Students may elect the P/NC option for the number of courses specified in the schedule below to apply toward a bachelor's degree. Limitations in item 3 below apply.
Freshman – 30 credits
Sophomore – 20 credits
Junior – 15 credits
Senior – 5 credits
3. No more than one course per quarter; no courses in major or minor; no courses in University Seminar, University Foundations, University Core, or the Exploratory Curriculum.
4. 6000-level courses may not be taken for P/NC credit, with the exception of thesis, dissertation, research, and projects, to be determined at the discretion of the schools.
5. For those students who transfer to SPU, no "Pass" credits will be accepted for major or minor requirements or for Common Curriculum or Exploratory Curriculum.
6. P/NC form must be on file in Student Academic Services by the 10th day of the quarter.

Repeat/Substitute Courses

Students may repeat any course for the purpose of changing a grade unless the course is designed to be repeated for additional credit. Courses noted as being "equivalent" may be substituted for one another. The latest grade received in a course will apply both to the GPA for graduation and for honors at graduation. The original course will still appear on the transcript; however, the grade and credits will be excluded from the overall GPA and credit total. Only courses taken at SPU will be used to change course grades. [\[Back to top\]](#)

Academic Probation

An undergraduate student attempting 6 credits or more at SPU will be placed on first-quarter academic probation when his or her cumulative grade point average first falls below a 2.0. Once on probation, any student who earns a quarterly GPA of 2.4 or higher, yet fails to raise the cumulative GPA to 2.0 or above, will be put on probation hold. Once placed on probation hold, the student retains the same probation status as held the previous quarter, but does not move toward dismissal. The second consecutive quarter the cumulative GPA remains below 2.0 and the quarterly GPA is below 2.4, the student will be placed on second-quarter academic probation; the third consecutive quarter the cumulative GPA remains below 2.0 and the quarterly GPA is below 2.4, the student will be dismissed from the University. The academic dismissal will be noted on the student's academic record.

Students on first-quarter probation are required to meet with their academic counselor in Student Academic Services to develop a contract that outlines goals and appropriate means to meet those goals toward achieving academic success. This meeting must occur before the fifth day of the quarter. Students on second-quarter probation may not enroll in more than 13 credits and must meet with their counselor before the fifth day of the quarter to make appropriate changes in their class schedule. Such changes may include enrolling in study-skills classes. [\[Back to top\]](#)

A student dismissed from the University may appeal to the Academic Probation Committee for reinstatement through the University registrar. If an appeal is denied, a student may appeal again after the lapse of one year. Once reinstated, the student's GPA is the same as when dismissed; the student may not use grades from other colleges and universities to raise the SPU GPA. A reinstated student may not enroll for more than 13 credits in the quarter in which the student is reinstated. A reinstated student will be dismissed if he or she fails to attain either a quarterly GPA of 2.4 or higher or a cumulative GPA of 2.0 or above by the end of the first quarter that person returns.

If a student on academic probation leaves the University, that person resumes the same probation status upon returning as when leaving. The student is removed from probation at the end of the quarter in which a cumulative GPA of 2.0 or better is achieved. A senior will not receive a degree until he or she is removed from academic probation. [\[Back to top\]](#)

GRADUATION

Graduation application forms for undergraduate or second baccalaureate degrees are available in Student Academic Services and may be accessed through the [Banner Information System](#) by selecting Student Menu then

Academic Progress Menu. Students are expected to apply for graduation during April of their junior year (when approximately 120 credits have been earned). Graduation application deadlines are below.

<u>Intending to Graduate</u>	<u>Deadline</u>
Spring/Summer Quarters	May 1*
Autumn Quarter	February 1
Winter Quarter	June 1

*in the year prior to graduation

Students who do not meet the application deadline may not receive academic progress reports or have their name appear in the Commencement brochure. [\[Back to top\]](#)

Academic Honors

Dean's List or Quarterly Honors

Quarterly honors are awarded to those undergraduate and post-baccalaureate students in good standing who have completed at least 12 hours of work and attained a 3.5 or higher grade point average. Students who have earned any of the following grades will not qualify for honors: E, NC, I, or N. However, once the temporary grade of N or I has been replaced by the grade earned, honors may be awarded to qualified students.

Graduation Honors

Baccalaureate degrees will be conferred with honors for undergraduate students based on the following criteria:

1. The student must have completed 75 quarter hours in residence with junior and senior standing at SPU.
2. Honors are based on the SPU GPA only.
3. All courses taken at SPU (except ESL and other courses numbered below 1000) are included in the GPA for honors and must meet the minimum grade point average required for the honor.

Honors for post-baccalaureate students require the minimum GPA in the entire work necessary for the degree including the 45 credits required in residence.

Students must meet the graduation application deadlines to have honors appear in the Commencement program. Graduation honors are computed for the Commencement program on the basis of work completed through Winter Quarter for Spring Quarter graduates. Students who complete degrees during Summer Session are not eligible for recognition until completion of all degree requirements.

<u>Honor</u>	<u>Grade Point Average</u>
Cum Laude	3.50-3.74
Magna Cum Laude	3.75-3.89
Summa Cum Laude	3.90-4.00

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The President's Citation

The President's Citation is awarded each year to a graduating senior who has demonstrated distinguished academic achievement in the context of a Christian liberal arts program. To be eligible for this award, the student must have taken all of his or her university work at SPU and must have adhered consistently to the ideals of the University. The University president will make the selection.

Alpha Kappa Sigma

Undergraduate students who have earned 90 credits at SPU and who are in the top 10 percent of the graduating class are eligible for election to the honor society Alpha Kappa Sigma. This honor society has chapters in all the colleges of SPU's sponsoring denomination. During their senior year, candidates are recommended by an academic policies committee and elected by vote of the faculty.

Honoraries

The Ivy Honorary, a chapter of National Mortarboard Inc., selects students for membership at the end of their junior year who have distinguished themselves through scholarship, leadership, and service. Other SPU honoraries include Centurions (men's service honorary), Falconettes (women's service honorary), Order of the S (athletics), Sigma Beta Delta (business), Pi Kappa Delta (speech), Alpha Psi Omega (drama), Mu Phi Epsilon (music), Lambda Iota Tau (English), and the Servant Scholar of the Year (Student Life).

Who's Who in American Colleges and Universities

A number of seniors are elected to Who's Who in American Colleges and Universities each year. This honor is awarded to students who will graduate from SPU, have a cumulative GPA of 2.75 or above, uphold the ideals of SPU and demonstrate leadership in co-curricular activities. Candidates are recommended during their senior year by the faculty. [\[Back to top\]](#)

TRANSCRIPTS

Official transcripts are released only on written authorization of the student whose records are requested. Seattle Pacific University reserves the right to deny official transcript services for indebtedness to the institution. Official transcripts may be released to students. If the student has an account, official transcripts are released only if the account is paid in full. A \$5 fee for each official transcript is charged. Students may request an unofficial copy of their transcript at no charge. Unofficial transcripts may also be viewed and printed by accessing the [Banner Information System](#).

Transcripts contain the student's entire academic history while at SPU. Undergraduate, graduate, doctoral work, and CEUs are segregated on separate pages of the SPU transcript. Although a copy of the transcript may be requested at any time, updated transcripts will be available after final grades have been submitted and recorded.

To receive a copy of the transcript, students must send a written request to Student Academic Services. The letter needs to include the name under which the student attended; social security number or SPU ID number; the last quarter and year the student attended; whether the student is enrolled in a current quarter of instruction and the number of classes enrolled in for that quarter; destination of the transcript; student signature; and the number of official or unofficial copies required. Payment is due at the time the transcript is requested. Payment can be made by cash (in-person only), check, Visa, or MasterCard.

SPU will resend a transcript to the originally requested institution provided the University made an error in processing. We must, however, be contacted within three months of the original request. After the three-month grace period, a separate written request must be submitted. The University reserves the right to approve or deny any request for resending a transcript for any reason other than University error. [\[Back to top\]](#)

Changes in Personal Information

It is the student's responsibility to notify the University of any changes to his or her permanent or mailing addresses. This will enable the University to forward important quarterly materials to students. Addresses and phone numbers can be changed online through the [Banner Information System](#) or in the following offices: [Student Academic Services](#), [Student Financial Services](#), and [Residence Life](#). Students who wish to change their name (e.g., due to change in marital status), need to provide Student Academic Services with the official documentation for the change (e.g., copy of marriage license). [\[Back to top\]](#)

TRANSPORTATION POLICY

Academic courses usually do not require the transportation of Seattle Pacific University students from campus to another location unless so stated in the course syllabus. If the course or event is to be convened at the remote location, students will be required to provide their own transportation to the site. Unless specifically stated, the University normally assumes no responsibility for determining transportation of students to the site of a course or to nonacademic activities, whether such activities occur on or off campus. Students will be responsible for their own transportation to such activities. [\[Back to top\]](#)

If transportation of SPU students is in University-owned or sponsored vehicles, drivers must have passed a defensive driving course, possess a current driver's license, and have authorized a check of their driving records. Safety and Security need not be notified of all officially sponsored travel.

Any exception to this policy must be approved in advance and in writing by the vice president for business and planning.

Baccalaureate Degree Requirements

Baccalaureate Degree Requirements

[Check Your Degree Status](#) [Banner log in required]

[Curriculum for Special Programs](#)

[2007-08 Graduation Requirements Checklist](#) [PDF]

[2007-08 Graduation Requirements Checklist \(University Scholars\)](#) [PDF]

[2007-08 Graduation Requirements Checklist \(Curriculum for Special Programs\)](#) [PDF]

Baccalaureate Degree Requirements

Though Seattle Pacific University makes every effort to provide students with effective academic advising, the final responsibility for meeting all academic and graduation requirements rests with each individual student. The *Undergraduate Catalog* under which the student enters serves as the official record of admission, general academic and general graduation requirements, with the exception of standards governing the completion of a major and/or minor. The quarter in which a student is accepted by the school or department offering the major or minor will determine the *Undergraduate Catalog* from which the major and/or minor requirements will be applied. Advising by University personnel inconsistent with published statements is not binding. Reasonable substitutions for specific requirements may be requested through petition to the University registrar. Degrees are awarded and posted to transcripts based on the date all degree requirements have been fulfilled. Degrees are posted within one quarter after the last quarter of enrollment. (For processing of student appeals and exceptions of all types, see [Student Life](#) for details.)

Degree Requirements

Most undergraduate students entering Seattle Pacific University Autumn Quarter 2007 follow the same general education curriculum to complete their undergraduate degrees. This curriculum includes the Common Curriculum (including the University Seminar, University Core, and University Foundations and Senior Capstone courses) and the Exploratory Curriculum.

Graduation Requirements

All students completing a first bachelor's degree at Seattle Pacific University are governed by the following requirements and policies:

1. A minimum of 180 college-level credits.
2. A cumulative grade point average of at least 2.0 in all courses applicable to the degree.
3. A cumulative grade point average of at least 2.0 in all courses taken at Seattle Pacific University.
4. At least 60 credits earned in courses numbered 3000–4999.
5. At least 45 college-level credits earned in residence as a matriculated student. Credits earned by examination do not satisfy the residence requirement. If only one year is taken at Seattle Pacific University, it must be the senior year.
6. "Pass" grades do not fulfill requirements in the major or minor, in Foundation courses, in courses in the Exploratory Curriculum, in University Seminar, in University Foundations, in University Core, or in General Education.
7. The last 15 credits prior to degree completion must be earned in residence.
8. Achievement of satisfactory scores on the required proficiency test in mathematics and placement test in English, or completion of required remedial coursework.
9. Satisfactory completion of an academic major.
10. Incoming freshmen and sophomores are required to complete 8 credits in writing ("W") courses; incoming juniors are required to complete 5 credits; and incoming seniors are required to complete 3 credits. (See the section on Writing Courses below.)
11. Students are expected to apply to a major by the start of their junior year. Application for major forms are available in the school or division office. Students will be notified by Student Academic Services if they have not been accepted to a major but have completed 120 or more credits at SPU. All degree requirements for a major or minor are determined by the *Undergraduate Catalog* in effect when the student is accepted to the major or minor. For example, a student accepted to a major in Autumn Quarter 2008 is subject to all major requirements listed in the 2008–09 *Undergraduate Catalog*.
12. Policies and procedures for baccalaureate degree completion are as follows:
 - o Students must be accepted into a major prior to applying for graduation. Students are responsible for applying for graduation. Applications are available in Student Academic Services and may be accessed through the [Banner Information System](#) by selecting Student Menu then Academic Progress Menu. For application deadlines, see the [Graduation](#) section.

- A transfer student with junior or senior status must apply for acceptance into a major after completing 15 SPU credits or as soon as admission criteria for the major are met.
- Students may change their application for graduation and should notify their undergraduate academic counselor of the change at least one quarter in advance of the previous intended quarter of graduation.
- Degrees will not be posted to student academic transcripts nor diplomas ordered until all requirements are completed, including any outstanding I and N grades.
- The official record of degree completion is the official SPU academic transcript.

Competency Requirements

There are four areas of competency students must meet to receive a bachelor's degree from Seattle Pacific University. These competencies may be fulfilled in a variety of ways. All undergraduate students at Seattle Pacific must demonstrate math and English competency early in their career at SPU and as a condition of graduation. In order to determine competency and assign any necessary remedial coursework, a math proficiency test is administered to incoming students. Math exams are to be taken during the first quarter of study at the University. They are administered at various times throughout the year. The English Placement Test is taken in the University Seminar (USEM 1000), during the first quarter of the student's freshman year. Transfer students who are required to take the test may do so by scheduling an appointment with the English department.

Students will not be permitted to register for their second quarter until these tests have been taken or the student registers for all necessary remedial coursework. Math and English competencies must be completed within the first four quarters of attendance at SPU. Foreign language competency and writing requirements must be met before a degree is awarded. Unless stipulated by their major, post-baccalaureate students are not required to take the proficiency or placement tests.

Math Skills Competency

Competency in basic mathematics is essential in our technologically oriented society. Students may demonstrate competency in basic mathematics in one of the following ways:

1. By scoring 500 or more on the math portion of the SAT-I exam, if taken prior to April 1995.
2. By scoring 580 or more on the math portion of the SAT-I exam, if taken April 1995 or later.
3. By scoring 25 or more on the math portion of the ACT test.
4. By receiving a grade of C (2.0) or better in a transferable college-level calculus course, or its equivalent. (Survey of calculus classes do not meet this requirement.)
5. By passing the University's Mathematics Proficiency Examination.
6. By completing all 5 credits of work in MAT 0121–MAT 0125 at the required level of proficiency during the first year of enrollment. If after taking the University's Mathematics Proficiency Examination 5 credits are required, a student may take MAT 0131 (2 credits) and MAT 0132 (3 credits) to meet this competency.
7. Students holding an acceptable Direct Transfer Agreement A.A. degree from an approved community college have fulfilled this requirement. See Admissions section under [Transfer Students](#) for approved degrees.

The mathematics proficiency test covers pre-high school mathematics and emphasizes problem solving. An analysis of errors is done and areas of weakness are determined. Any student whose score on this test falls below accepted college entrance level norms will be required to strengthen these areas of weakness through work in arithmetic review courses during the first year of registration. Before students are permitted to take any mathematics courses (other than arithmetic review) or any courses using mathematics, they must either pass the Mathematics Proficiency Exam or complete the required work in MAT 0121–MAT 0125, or in MAT 0131 (2 credits) and MAT 0132 (3 credits).

Arithmetic review courses are not considered college-level courses. Credits earned in MAT 0121–MAT 0125 or in MAT 0131 and MAT 0132 do not count toward the 180 minimum credits required for graduation. All required coursework in arithmetic review must be completed by the end of a student's fourth quarter at SPU.

Writing Skills Competency

During their first quarter, students who have not already taken and passed, with a grade of C or better, a college-level writing (composition) course on a college or university campus are required to take the English Placement Test, which samples their writing. (AP, CLEP, and IB credit in English composition do not substitute in this context for a college-level writing course. Nor does any composition course taken as part of Running Start or other "college in the high schools" program.)

Students whose score on this test indicates they do not yet write on the college level will be required during their first year of registration to enroll in a designated section of Intermediate College Writing (ENG 2201) and simultaneously ENG 0102, a writing tutorial attached to this section of ENG 2201. Taken in tandem, these courses are intended to raise students' writing ability to the college level. (Credits earned in ENG 0102 do not count toward the 180 minimum credits required for graduation.) Students whose scores indicate that they can write minimally at the college level but need the intermediate course in writing (ENG 2201) in order to succeed in college will be required to take that course. All required coursework in writing must be completed by the end of a student's fifth quarter at SPU.

Foreign Language Competency

For many students, the general education foreign language competency requirement will be met by taking a one-year course. However, there are several alternative ways of meeting this requirement listed below:

1. Show by your high school transcript that you have completed a third-year course in a foreign language (grades 9–12) with a minimum grade of C (2.0) in the final year or a minimum grade of C (2.0) in the final course.
2. Be a native speaker of a language other than English.
3. Attain a grade of C (2.0) or better or a "pass" in the third quarter of the elementary level (e.g., 1103) or above of an SPU course in a language other than modern English.
4. Obtain a professional reference attesting to proficiency in a language other than English. For example, a student who has lived for years in another culture might request a reference from a professional who has lived among or worked with the same language/culture group.
5. Transfer a course equivalent to, or more advanced than, 1103 (the third quarter in an elementary-level SPU course) in a language other than English. The course must have been taken at an accredited post-secondary institution whose credits are accepted for transfer by SPU. The grade in the transferred course must be C (2.0) or better, or a "pass," provided the institution's minimum achievement level for a "pass" grade is a "C" (2.0) or higher.
6. Take a proficiency test and achieve a "passing" rating in a language other than English. The test should be administered by a qualified testing center such as a college or university and the results sent to Student Academic Services. If the test is not administered by SPU, a description of the test with the criteria for achieving a passing rating should accompany the results.
7. Enter SPU with advanced placement test credits in a language other than English.
8. Take a CLEP test in a language other than English. A score in the 50th percentile on a CLEP test is the minimum accepted by SPU.
9. American Sign Language (ASL) may be used to fulfill the SPU foreign language requirement if the time spent in classroom instruction is equal to the 15-credit requirement. No other forms of sign language satisfy the requirement.

Note: The languages offered through the regular curriculum at SPU are French, German, Latin, Russian, and Spanish. Other languages are offered through the College of Arts and Sciences in affiliation with the Washington Academy of Languages (WAL). Students wishing to meet the requirement with WAL courses should see an academic counselor regarding the level that must be reached at WAL to meet the SPU requirement. A student wishing to meet the general education language requirement by a competency test in a language other than one that is part of the regular curriculum will be assessed a fee if SPU arranges for the test.

Foreign Language Substitution Policy for Documented Disability

Qualified students with current professional documentation of less than five years, which specifically certifies that the student possesses a disability, and clearly indicates the inability to successfully complete a study of a foreign language, may be able to utilize the Foreign Language Substitution Policy as the means to satisfy the general education foreign language requirement. For more information, contact [Disability Support Services](#) in the Center for Learning.

Writing ("W") Courses

Courses designated as writing courses (3000- and 4000-level) offer a substantial component of writing designed to reinforce students' earlier work in writing. At the same time, they provide instruction in the technical and stylistic requirements of writing appropriate to a particular discipline. In these courses, students are expected to write at least two papers and a minimum of 3,000 words or about 12 pages of final draft prose. Faculty members spend at least one class period providing instruction in writing, and they evaluate written work for both content and form — not only for what is said, but also for how it is said. These courses normally provide opportunities for revision as well.

The Common Curriculum

The Common Curriculum is at the heart of a liberal arts education at Seattle Pacific University, and it includes eight required courses spread over four years. Those classes begin with the University Seminar and include University Core courses and University Foundations courses. The eighth course is the required capstone in every student's major.

Note: Students admitted to special programs or University Scholars follow a different curriculum specific to their programs.

The Common Curriculum

35 credits

University Seminar

USCH 1000 [University Scholars Seminar](#) (5)

USEM 1000 [University Seminar](#) (5)

University Core

UCOR 1000 [Arts & Christian Community](#) (5)

UCOR 2000 [The West and the World](#) (5)

UCOR 3000 [Belief, Morality & Modern Mind](#) (5)

University Foundations

UFDN 1000 [Christian Formation](#) (5)

UFDN 2000 [Christian Scriptures](#) (5)

UFDN 3001 [Christian Scriptures](#) (5)

UFDN 3100 [Christian Theology](#) (5)

Total

35

University Foundation Requirements

Students who enter SPU with junior or senior standing (90 transferable credits or more) are required to take only UFDN 3001 and UFDN 3100 to fulfill University Foundations requirements.

The Exploratory Curriculum

Through the Exploratory Curriculum, all students are required to complete coursework in the arts, humanities, social sciences, natural sciences, and mathematics. Students working toward a bachelor of arts (B.A.) must complete 15 credits in the arts and humanities; students working toward a bachelor of science (B.S.) must complete 10 credits in arts and humanities.

Students working toward a bachelor of arts (B.A.) must earn 10 credits in the natural sciences, while students working toward a bachelor of science (B.S.) must earn 15 credits.

Note: Students admitted to special programs or University Scholars follow a different curriculum specific to their programs.

The Exploratory Curriculum

40 credits

Arts and Humanities (AH)

10 credits B.S., 15 credits B.A.

A. Arts (Art, Music, Theatre)

**3 credits
minimum**

Choose from among the following courses:

ART 1102 [Drawing Studio:Observtn&Realism](#) (5)

ART 1103 [Drawing Studio:Concept&Compstn](#) (5)

ART 1104 [Drawing Studio:Perspective](#) (5)

ART 1180 [The Visual Arts](#) (5)

ART 2302 [Painting Studio:Still Life-Oil](#) (5)

ART 2422 [Metals Studio](#) (3)

ART 2602 [West Trad I: Ancient&Medvl Art](#) (5)

ART 2603 [West Trad II: Art since Renssnc](#) (5)

ART 3605 [Topics in Modern Art](#) (5)

ART 3606 [Cross-Cultural Encounters](#) (5)

ART 3607 [Topics in American Art](#) (5)

COM 3780 [Introduction to Film](#) (5)

EUR 3100 [Foundations of European Art](#) (3)

FCS 1710 [Design Fundamentals](#) (5)

FCS 2870 [Seeing History Through Clothes](#) (5)

FCS 3870 [History of Costume](#) (5)

- MUS 1250 [Begin Keyboard Cls\(Non-Majors\)](#) (2)
MUS 1251 [Intrmed Keybrd Cls\(Non-Majors\)](#) (2)
MUS 1255 [Intrmd Keybr Profic\(Music Maj\)](#) (2)
MUS 1260 [Beginning Voice Class](#) (2)
MUS 1270 [Beginning Folk Guitar](#) (1)
MUS 1271 [Intermediate Folk Guitar](#) (1)
MUS 1600 [Exploring & Understanding Mus](#) (5)
MUS 2305 [Women's Choir](#) (2)
MUS 2306 [Brass Ensemble](#) (1)
MUS 2307 [Percussion Ensemble](#) (1-2)
MUS 2308 [Woodwind Ensmble \(Flute\)](#) (1)
MUS 2309 [String Ensemble](#) (1)
MUS 2311 [Jazz Ensemble](#) (2)
MUS 2312 [Men's Choir](#) (2)
MUS 2313 [Vocal Jazz Ensemble](#) (2)
MUS 2340 [Chamber Ensemble](#) (1)
MUS 2350 [Concert Choir](#) (2)
MUS 2351 [Symphonic Wind Ensemble](#) (2)
MUS 2353 [Symphony Orchestra](#) (2)
MUS 2402 [History & Appreciation of Jazz](#) (5)
MUS 2604 [Soundscape](#) (5)
MUS 2605 [Survey of Popular Music](#) (5)
MUS 2654 [World Music](#) (3)
MUS 2655 [World Music Lab](#) (2)
MUS 3401 [Music & Worship](#) (2)
MUS 3602 [Magic of Opera](#) (5)
MUS 4305 [Women's Choir](#) (2)
MUS 4306 [Brass Ensemble](#) (1)
MUS 4307 [Percussion Ensemble](#) (1-2)
MUS 4308 [Woodwind Ensmble \(Flute\)](#) (1)
MUS 4309 [String Ensemble](#) (1)
MUS 4311 [Jazz Ensemble](#) (2)
MUS 4312 [Men's Choir](#) (2)
MUS 4313 [Vocal Jazz Ensemble](#) (2)
MUS 4340 [Chamber Ensemble](#) (1)
MUS 4350 [Concert Choir](#) (2)
MUS 4351 [Symphonic Wind Ensemble](#) (2)
MUS 4353 [Symphony Orchestra](#) (2)
MUS 4401 [The Song of the Church](#) (3)
MUS 4402 [History & Appreciation of Jazz](#) (5)
TRE 1110 [The Theatre Experience](#) (5)
TRE 1310 [The Actor's Art](#) (5)
TRE 1340 [Acting I: Fundamentals](#) (5)
TRE 1930 [Performance Practicum](#) (2)
TRE 1931 [Production Practicum](#) (2)
TRE 2420 [Theatre & Drama:Tragedy](#) (5)
TRE 2421 [Theatre & Drama:Comedy](#) (5)
TRE 3780 [The Art of Film](#) (5)
TRE 3930 [Performance Practicum](#) (2)
TRE 3931 [Production Practicum](#) (2)
Note: Only elementary education certification students may take ART 3546, MUS 3501, or TRE 3800 toward Exploratory Curriculum requirements.

B. Humanities

(Classics, Communication, English, European Studies, Philosophy)

**3 credits
minimum**

Choose from among the following courses:

- CLA 3100 [Ancient Civilization](#) (5)
CLA 3104 [Survey Ancient Greek Lit](#) (5)
CLA 3170 [Classical Civilization](#) (5)
CLA 3204 [Survey of Classical Latin Lit](#) (5)
COM 1101 [Intro to Interpersonal Commun](#) (5)
COM 1321 [Public Speaking](#) (5)
ENG 1110 [Literature and Faith](#) (5)
ENG 2230 [Literature of American West](#) (5)
ENG 2234 [Literature by Women](#) (5)

- ENG 2248 [New International Fiction](#) (5)
 ENG 3334 [American Ethnic Literature](#) (5)
 ENG 3382 [South African Lit & Theater](#) (5)
 EUR 1110 [Heritage of Europe](#) (5)
 EUR 3287 [Mythology in Literature](#) (5)
 EUR 3500 [European Civilization](#) (5)
 EUR 4912 [Russian Studies Seminar II](#) (6)
 FRE 2101 [Niveau Intermediaire](#) (5)
 FRE 2102 [Niveau Intermediaire](#) (5)
 FRE 2103 [Niveau Intermediaire](#) (5)
 FRE 3105 [Composition Conversation](#) (3)
 FRE 3205 [Topics in French Literature](#) (5)
 GER 2101 [Intermediate German I](#) (5)
 GER 2102 [Intermediate German II](#) (5)
 GER 2103 [Intermediate German III](#) (5)
 GER 3206 [Topics in German Lang & Lit](#) (3-5)
 GRK 4920 [Indpdnt Readngs Classical Grk](#) (1-5)
 HIS 3100 [Ancient Civilization](#) (5)
 HIS 3170 [Classical Civilization](#) (5)
 HUM 3000 [Other People, Other Faiths](#) (5)
 HUM 3111 [Uganda: Literature](#) (3-6)
 LAT 4920 [Indpdnt Readngs Classical Lat](#) (1-5)
 LIN 2100 [Foundations of Language Study](#) (5)
 PHI 1001 [Power of Logic](#) (5)
 PHI 1002 [History of Ethics](#) (5)
 PHI 1004 [Survey of Western Philosophy](#) (5)
 PHI 2500 [Philosophy of Science](#) (3)
 PHI 2999 [Aesthetics](#) (3)
 POL 3350 [Modrn French Political Thought](#) (5)
 RUS 2207 [Modern Russian Culture thr Lit](#) (5)
 RUS 3100 [Intermediate Russian](#) (5)
 SBS 4913 [Mid East Sem: Islam Modern Wrld](#) (6)
 SPN 2101 [Intermediate Spanish I](#) (5)
 SPN 2102 [Intermediate Spanish II](#) (5)
 SPN 2103 [Intermediate Spanish III](#) (5)
 SPN 4401 [Topics in Spanish Literature](#) (3,5)
 SPN 4501 [Topics in Latin American Lit](#) (3,5)

Note: Only elementary education certification students may take EDRD 4516 or 4517 toward Exploratory Curriculum requirements..

**C. One Additional Course in a Third Arts or Humanities 3 credits
Subject minimum**

B.A. degree students choose an additional course totaling at least 3 credits from either category A or B, since courses in at least three disciplines are required to complete the 15-credit arts and humanities requirements.

Social Sciences (SS) 10 credits

A. Anthropology, Psychology, Sociology

5

- ANT 1110 [General Anthropology](#) (5)
 ANT 2250 [Cultural Anthropology](#) (5)
 PSY 1180 [Gen Psych: Individual in Growth](#) (5)
 SBS 4915 [Public Policy Seminar](#) (12)
 SOC 1110 [Introduction to Sociology](#) (5)
 SOC 2310 [Foundations of Social Services](#) (5)

B. Economics, Geography, History, Political Science

5

Choose from among the following courses:

- ECN 2101 [Principles of Microeconomics](#) (5)
- ECN 2102 [Principles of Macroeconomics](#) (5)
- ECN 2207 [Economic Geography](#) (5)
- GEO 1110 [World Regional Geography](#) (5)
- GEO 2207 [Economic Geography](#) (5)
- GEO 3170 [Geopolitics](#) (5)
- GEO 3677 [The Nature of Cities](#) (5)
- HIS 1200 [Ancient & Medieval Worlds](#) (5)
- HIS 2491 [Origins of Western Science](#) (5)
- HIS 2492 [Foundations of Modern Science](#) (5)
- HIS 2502 [The United States to 1876](#) (5)
- HIS 2503 [The United States Since 1876](#) (5)
- HIS 3335 [Iberian Civilization & Culture](#) (5)
- HIS 3345 [Modern Russia](#) (5)
- HIS 3440 [Internatnl Peace & World Order](#) (5)
- HIS 3501 [Col & Rev Am:Found of Am Civ](#) (5)
- HIS 3670 [Hist of Amer Foreign Relations](#) (5)
- HIS 3710 [Comparative Non-Western Histry](#) (5)
- HIS 3720 [Rise of Islamic Civilization](#) (5)
- HIS 3730 [Modern Middle East](#) (5)
- HIS 3765 [Traditional East Asia](#) (5)
- HIS 3785 [Modern East Asia](#) (5)
- POL 1110 [Introduction to Politics](#) (5)
- POL 1120 [American Government & Politics](#) (5)
- POL 2330 [International Relations](#) (5)
- POL 2641 [Christianity & Amer. Politics](#) (5)
- POL 3170 [Geopolitics](#) (5)
- POL 3345 [Modern Russia](#) (5)
- POL 3440 [Internatnl Peace & World Order](#) (5)
- POL 3670 [Hist of Amer Foreign Relations](#) (5)
- SBS 3130 [Uganda:African Histry & Cultr](#) (3-6)
- SBS 4902 [China Studies:Hist,Culture,Geo](#) (3-5)
- SBS 4912 [Mid East Sem:Peopl & Cultures](#) (6)
- SBS 4914 [Mid East Sem:Conflict & Change](#) (6)
- SBS 4918 [LASP: Seminar I](#) (5)

Natural Sciences (NS)**10 credits B.A., 15 credits B.S.****A. Biological Science**

5

Choose from among the following courses:

- BIO 1100 [Biological Science](#) (5)
- BIO 2101 [General Biology](#) (5)
- BIO 2102 [General Biology](#) (5)
- BIO 2103 [General Biology](#) (5)
- BIO 2129 [Human Anatomy & Physiology](#) (5)
- BIO 2130 [Human Anatomy & Physiology](#) (5)

B. Physical Sciences

5

Choose from among the following courses:

- CHM 1100 [Introduction to Chemistry](#) (5)
- CHM 1110 [Intro to the Nature of Science](#) (5)
- CHM 1211 [General Chemistry I](#) (5)
- CHM 1330 [Organic & Biological Chemistry](#) (5)
- EDSC 2566 [Environmt Ed:Ed for Elem Tchrs](#) (5)
- PHY 1101 [General Physics](#) (5)
- PHY 1102 [General Physics](#) (5)
- PHY 1103 [General Physics](#) (5)
- PHY 1110 [Intro to the Nature of Science](#) (5)
- PHY 1121 [Physics for Sci & Engineering](#) (5)
- PHY 1122 [Physics for Sci & Engineering](#) (5)
- PHY 1123 [Physics for Sci & Engineering](#) (5)
- PHY 1135 [Astronomy:Individual & Univers](#) (5)
- PHY 1140 [Physics of Sound](#) (5)
- PHY 1142 [Earth System Science](#) (5)

PHY 1145 [Oceanography](#) (5)
 PHY 1150 [Introduction to Geology](#) (5)
 PHY 2566 [Physical Sci:Process Inquiry](#) (5)
Note: Only education certification students may use EDSC 2566 or PHY 2566 toward Exploratory Curriculum requirements.

Mathematics (MA)

5
credits

Choose from among the following courses:

BUS 2700 [Statistics for Business & Econ](#) (5)
 HSC 4044 [Biomed Tests, Measrmts & Stats](#) (5)
 MAT 1221 [Survey of Calculus](#) (5)
 MAT 1225 [Calculus](#) (5)
 MAT 1360 [Introduction to Statistics](#) (5)
 MAT 1521 [Intro:Contemporary Mathematics](#) (5)
 MAT 2530 [Survey of Mathematics I](#) (3)
 MAT 2531 [Survey of Mathematics II](#) (2)
 MAT 2700 [Statistics for Business & Econ](#) (5)
 PSY 2360 [Intro to Stats Soc & Behav Sci](#) (5)
 SOC 2360 [Intro to Stats Soc & Behav Sci](#) (5)

Note: Only elementary education certification students may use MAT 2530 and MAT 2531 toward Exploratory Curriculum requirements.

University Scholars

The [University Scholars](#) program is for students who have been invited into this special program.

University Scholars Program

61 credits total, including one lab science course

PHY 1111 [University Scholars Physics](#) (5)
 UFDN 1000 [Christian Formation](#) (5)
 UFDN 2000 [Christian Scriptures](#) (5)
 UFDN 3100 [Christian Theology](#) (5)
 USCH 1000 [University Scholars Seminar](#) (5)
 USCH 1111 [Texts and Contexts I](#) (5)
 USCH 1112 [Texts and Contexts II](#) (5)
 USCH 1113 [Texts and Contexts III](#) (5)
 USCH 1114 [Texts and Contexts IV](#) (5)
 USCH 3910 [Faith and Science I](#) (5)
 USCH 4910 [Faith and Science II](#) (5)
 USCH 4950 [Christianity and Scholarship](#) (2)
 USCH 4960 [Honors Project I](#) (2)
 USCH 4965 [Honors Project II](#) (2-4)

A combined total of no more than 4 credits is allowed in USCH 4960 and/or USCH 4965.

Note: Students who have taken physics in high school may satisfy the lab science requirement with PHY 1111 or any other college-level, lab- science course. Credits earned for AP, IB or CLEP scores may not fulfill this requirement.

The Major Curriculum

Specific Standards Governing Completion of a Major

1. A major requires a minimum of 45 credits, although most programs require more. A minimum of 23 credits is required in courses numbered 3000–4999, although some programs require more. No more than 75 credits may be required or controlled by a school in designating requirements for a major without review and approval of the Undergraduate Policies and Evaluation Committee.
2. A student must complete a major to earn either a bachelor of arts or bachelor of science degree.
3. At least 15 of the required upper-division credits in a major must be earned at Seattle Pacific University.
4. Major requirements must be met in full. These requirements of proficiency in depth and breadth are specified in the sections of the *Undergraduate Catalog* assigned to the various schools or departments of the University. These requirements state total credits, upper-division credits, prescribed courses, and supporting courses.
5. Coursework with a P or a grade below C- (1.7) may not be applied to a major.

6. The student must apply for a major and be accepted by the school or department in which he or she plans to complete a major. The acceptance date determines the *Undergraduate Catalog* under which major requirements will be applied.
7. The school or department in which a student completes a major must certify to Student Academic Services that he or she has satisfactorily met the evaluative and proficiency standards for such a major.
8. A student may simultaneously complete a double major. Both majors may be in a B.A. category, or two majors in a B.S. category, or one in a B.A. category and one in a B.S. category. All requirements for each major must be completed prior to the granting of the bachelor's degree.

Specific Standards Governing Completion of a Minor

1. Students are not obligated to complete a minor area of study in order to receive the B.A. or B.S. degree. However, a student must be working toward a major in order to earn a minor.
2. Acceptance into a minor is determined by the academic school or department. A minimum GPA is noted in the Academic Program section. If not specifically noted, the GPA for acceptance into the minor is the same as the minimum GPA required for acceptance into the corresponding major.
3. A minor requires a minimum of 30 credits but may not require more than 45 credits. A minimum of 15 credits is required in courses numbered 3000–4999. Requirements for specific minors may be found in the school or department sections of this *Undergraduate Catalog*.
4. Coursework with a P or a grade below C- (1.7) will not be applied to a minor.
5. Students must earn a minimum of 15 credits toward their minor at SPU, including 10 upper-division credits.
6. In all cases it is necessary to apply for, and be accepted into, the minor field. The date of formal acceptance into a minor program determines the *Undergraduate Catalog* under which minor requirements will be applied.
7. The school or department in which a student completes a minor must certify to Student Academic Services that he or she has satisfactorily met all requirements for the minor.
8. If a student is pursuing a minor, all requirements for the minor must be completed prior to the awarding of the bachelor's degree.

Limitations on Credit Applicable Toward a Degree

1. Seattle Pacific University may accept up to 90 credits combined total from community colleges, junior colleges, unaccredited colleges or institutes, and AP/CLEP/IB exams toward a baccalaureate degree. See limits under Credit by Exam.
2. A student may earn up to 10 credits toward a baccalaureate degree in skills courses approved by the Undergraduate Policies and Evaluation Committee.
3. Students may enroll in 5000-level courses but they will not apply to undergraduate degree program requirements at SPU, nor are these courses eligible for financial aid.
4. Credits in excess of 45 taken as a non-matriculated student will not apply toward an undergraduate degree.
5. Credits in excess of 15 credits taken as a non-matriculated student may not be applied to a post-baccalaureate degree.

Standards Governing Completion of a Second Bachelor's Degree

A second bachelor's degree may be earned upon completion of a minimum of 45 credits as a matriculated student at Seattle Pacific University subsequent to the granting of the first degree. The student must be accepted into a major; the date of acceptance determines the *Undergraduate Catalog* under which major requirements will be applied. A second degree is subject to the following conditions:

If the first degree was earned at SPU:

1. At least 15 of the 45 credits for the second degree must be taken at SPU.
2. At least 15 upper-division credits in the major must be earned at SPU.
3. No more than 15 credits taken as a non-matriculated student may apply toward the additional bachelor's degree.
4. Of the 45 credits required for the second degree, up to 15 credits may be earned prior to the granting of the first degree, provided the credits are in excess of the minimum (usually 180 credits) required for the first degree. In such a case, a student may be required to complete fewer than 45 credits for the second degree, but no fewer than 30 credits.
5. All specified requirements for the second degree must be fulfilled, including all requirements in the major.

If the first degree was earned at another institution:

1. A student who at some prior point matriculated at SPU must have at least 30 of the required 45 credits earned at SPU.
2. No more than 15 credits taken as a non-matriculated student may apply toward the additional bachelor's degree.
3. A student who has not previously matriculated at SPU must earn at least 45 credits toward the second degree at SPU.
4. At least 15 upper-division credits in the major must be earned at SPU.
5. 5 credits in Christian Scriptures or Christian Theology must be completed at SPU.
6. All specified requirements for the second degree must be fulfilled, including all requirements in the major.

An additional degree is distinguished from multiple majors within a single degree. For information regarding completion of multiple majors within a first bachelor's degree, see item 8 listed above, under Specific Standards Governing the Completion of a Major.

Graduation Checklist

Students may wish to track their progress toward graduation by downloading their Degree Status Check found in [Banner](#) under Student Menu/Academic Progress Menu. After downloading [Check Your Degree Status](#), a student may transfer information to the appropriate graduation requirements checklist on the following pages.

[2007-08 Graduation Requirements Checklist](#) [PDF]

[2007-08 Graduation Requirements Checklist \(University Scholars\)](#) [PDF]

[2007-08 Graduation Requirements Checklist \(Curriculum for Special Programs\)](#) [PDF]

Click here for the [Curriculum for Special Programs](#).

Curriculum for Special Programs

Students in the Professional Studies program, R.N.B. program, and the evening program in electrical engineering follow an alternative curriculum. Students eligible for these programs are specifically identified as such at the time of admission to the University.

Students completing the alternative curriculum must adhere to policies, complete requirements, and fulfill competency areas listed below under Graduation Requirements. This alternative curriculum replaces only the University Core courses and Exploratory Curriculum.

Graduation Requirements

All students completing a first bachelor's degree at Seattle Pacific University are governed by the following requirements and policies:

1. A minimum of 180 college-level credits.
2. A cumulative grade point average of at least 2.0 in all courses applicable to the degree.
3. A cumulative grade point average of at least 2.0 in all courses taken at Seattle Pacific University.
4. At least 60 credits earned in courses numbered 3000–4999.
5. At least 45 college-level credits earned in residence as a matriculated student. Credits earned by examination do not satisfy the residence requirement. If only one year is taken at Seattle Pacific University, it must be the senior year.
6. "Pass" grades do not fulfill requirements in the major or minor, in Foundation courses, in courses in the Exploratory Curriculum, in University Seminar, in University Foundations, in University Core, or in General Education.
7. The last 15 credits prior to degree completion must be earned in residence.
8. Achievement of satisfactory scores on the required proficiency test in mathematics and placement test in English, or completion of required remedial coursework.
9. Satisfactory completion of an academic major.

10. Incoming freshmen and sophomores are required to complete 8 credits in writing ("W") courses; incoming juniors are required to complete 5 credits; and incoming seniors are required to complete 3 credits. (See the section on Writing Courses below.)
11. Students are expected to apply to a major by the start of their junior year. Application for major forms are available in the school or division office. Students will be notified by Student Academic Services if they have not been accepted to a major but have completed 120 or more credits at SPU. All degree requirements for a major or minor are determined by the Undergraduate Catalog in effect when the student is accepted to the major or minor. For example, a student accepted to a major in Autumn Quarter 2008 is subject to all major requirements listed in the 2008–2009 Undergraduate Catalog.
12. Policies and procedures for baccalaureate degree completion are as follows:
 - Students must be accepted into a major prior to applying for graduation. Students are responsible for applying for graduation. Applications are available in Student Academic Services and may be accessed through the Banner Information System by selecting Student Menu then Academic Progress Menu. For application deadlines, see the [Graduation](#) section.
 - A transfer student with junior or senior status must apply for acceptance into a major after completing 15 SPU credits or as soon as admission criteria for the major are met.
 - Students may change their application for graduation and should notify their undergraduate academic counselor of the change at least one quarter in advance of the previous intended quarter of graduation.
 - Degrees will not be posted to student academic transcripts nor diplomas ordered until all requirements are completed, including any outstanding I and N grades.
 - The official record of degree completion is the official SPU academic transcript.

Competency Requirements

There are three areas of competency students following the Curriculum for Special Programs must meet to receive a bachelor's degree from Seattle Pacific University. These competencies may be fulfilled in a variety of ways. All undergraduate students at Seattle Pacific must demonstrate math and English competency early in their career at SPU and as a condition of graduation. In order to determine competency and assign any necessary remedial coursework, a math proficiency test is administered to incoming students. Math exams are to be taken during the first quarter of study at the University. They are administered at various times throughout the year. The English Placement Test is taken in the University Seminar (USEM 1000), during the first quarter of the student's freshman year. Transfer students who are required to take the test may do so by scheduling an appointment with the English department.

Students will not be permitted to register for their second quarter until these tests have been taken or the student registers for all necessary remedial coursework. Math and English competencies must be completed within the first four quarters of attendance at SPU. Foreign language competency and writing requirements must be met before a degree is awarded. Unless stipulated by their major, post-baccalaureate students are not required to take the proficiency or placement tests.

Math Skills Competency

Competency in basic mathematics is essential in our technologically oriented society. Students may demonstrate competency in basic mathematics in one of the following ways:

1. By scoring 500 or more on the math portion of the SAT-I exam, if taken prior to April 1995.
2. By scoring 580 or more on the math portion of the SAT-I exam, if taken April 1995 or later.
3. By scoring 25 or more on the math portion of the ACT test.
4. By receiving a grade of C (2.0) or better in a transferable college-level calculus course, or its equivalent. (Survey of calculus classes do not meet this requirement.)
5. By passing the University's Mathematics Proficiency Examination.
6. By completing all 5 credits of work in MAT 0121–MAT 0125 at the required level of proficiency during the first year of enrollment. If after taking the University's Mathematics Proficiency Examination 5 credits are required, a student may take MAT 0131 (2 credits) and MAT 0132 (3 credits) to meet this competency.
7. Students holding an acceptable Direct Transfer Agreement A.A. degree from an approved community college have fulfilled this requirement. See Admissions section under [Transfer Students](#) for approved degrees.

The mathematics proficiency test covers pre-high school mathematics and emphasizes problem solving. An analysis of errors is done and areas of weakness are determined. Any student whose score on this test falls below accepted college entrance level norms will be required to strengthen these areas of weakness through work in arithmetic review courses during the first year of registration. Before students are permitted to take any mathematics courses (other than arithmetic review) or any courses using mathematics, they must either pass the

Mathematics Proficiency Exam or complete the required work in MAT 0121–MAT 0125, or in MAT 0131 (2 credits) and MAT 0132 (3 credits).

Arithmetic review courses are not considered college-level courses. Credits earned in MAT 0121–MAT 0125 or in MAT 0131 and MAT 0132 do not count toward the 180 minimum credits required for graduation. All required coursework in arithmetic review must be completed by the end of a student's fourth quarter at SPU.

Writing Skills Competency

During their first quarter, students who have not already taken and passed, with a grade of C or better, a college-level writing (composition) course on a college or university campus are required to take the English Placement Test, which samples their writing. (AP, CLEP, and IB credit in English composition do not substitute in this context for a college-level writing course. Nor does any composition course taken as part of Running Start or other "college in the high schools" program.)

Students whose score on this test indicates they do not yet write on the college level will be required during their first year of registration to enroll in a designated section of Intermediate College Writing (ENG 2201) and simultaneously ENG 0102, a writing tutorial attached to this section of ENG 2201. Taken in tandem, these courses are intended to raise students' writing ability to the college level. (Credits earned in ENG 0102 do not count toward the 180 minimum credits required for graduation.) Students whose scores indicate that they can write minimally at the college level but need the intermediate course in writing (ENG 2201) in order to succeed in college will be required to take that course. All required coursework in writing must be completed by the end of a student's fifth quarter at SPU.

Writing ("W") Courses

Courses designated as writing courses (3000- and 4000-level) offer a substantial component of writing designed to reinforce students' earlier work in writing. At the same time, they provide instruction in the technical and stylistic requirements of writing appropriate to a particular discipline. In these courses, students are expected to write at least two papers and a minimum of 3,000 words or about 12 pages of final draft prose. Faculty members spend at least one class period providing instruction in writing, and they evaluate written work for both content and form — not only for what is said, but also for how it is said. These courses normally provide opportunities for revision as well.

University Foundations

15 credits

UFDN 1000 [Christian Formation](#) (5)

UFDN 2000 [Christian Scriptures](#) (5)

UFDN 3001 [Christian Scriptures](#) (5)

UFDN 3100 [Christian Theology](#) (5)

Note: Students who enter SPU with junior or senior standing (90 transferable credits or more) are required to take only UFDN 3001 and UFDN 3100.

General Education Requirements

53 credits

Composition (CMP)

3

Choose from among the following courses:

ENG 2201 [Intermediate College Writing](#) (3)

ENG 2215 [Imaginative Writing](#) (3)

ENG 3205 [Writing in the Professions](#) (3)

ENG 3301 [Advanced Expository Writing](#) (3)

ENG 3318 [Creative Nonfiction](#) (3)

Social Sciences (SS)

15 credits

Choose from among the following courses:

ANT 1110 [General Anthropology](#) (5)

ANT 2250 [Cultural Anthropology](#) (5)

PSY 1180 [Gen Psych: Individual in Growth](#) (5)

SBS 4915 [Public Policy Seminar](#) (12)

SOC 1110 [Introduction to Sociology](#) (5)

SOC 2310 [Foundations of Social Services](#) (5)

ECN 2101 [Principles of Microeconomics](#) (5)

ECN 2102 [Principles of Macroeconomics](#) (5)

ECN 2207 [Economic Geography](#) (5)

GEO 1110 [World Regional Geography](#) (5)
 GEO 2207 [Economic Geography](#) (5)
 GEO 3170 [Geopolitics](#) (5)
 GEO 3677 [The Nature of Cities](#) (5)
 HIS 1200 [Ancient & Medieval Worlds](#) (5)
 HIS 2491 [Origins of Western Science](#) (5)
 HIS 2492 [Foundations of Modern Science](#) (5)
 HIS 2502 [The United States to 1876](#) (5)
 HIS 2503 [The United States Since 1876](#) (5)
 HIS 3335 [Iberian Civilization & Culture](#) (5)
 HIS 3345 [Modern Russia](#) (5)
 HIS 3440 [Internatnl Peace & World Order](#) (5)
 HIS 3501 [Col & Rev Am:Found of Am Civ](#) (5)
 HIS 3670 [Hist of Amer Foreign Relations](#) (5)
 HIS 3710 [Comparative Non-Western Histry](#) (5)
 HIS 3720 [Rise of Islamic Civilization](#) (5)
 HIS 3730 [Modern Middle East](#) (5)
 HIS 3765 [Traditional East Asia](#) (5)
 HIS 3785 [Modern East Asia](#) (5)
 POL 1110 [Introduction to Politics](#) (5)
 POL 1120 [American Government & Politics](#) (5)
 POL 2330 [International Relations](#) (5)
 POL 2641 [Christianity & Amer. Politics](#) (5)
 POL 3170 [Geopolitics](#) (5)
 POL 3345 [Modern Russia](#) (5)
 POL 3440 [Internatnl Peace & World Order](#) (5)
 POL 3670 [Hist of Amer Foreign Relations](#) (5)
 SBS 3130 [Uganda:African Histry & Cultr](#) (3-6)
 SBS 4902 [China Studies:Hist.Culture.Geo](#) (3-5)
 SBS 4912 [Mid East Sem:Peopl & Cultures](#) (6)
 SBS 4914 [Mid East Sem:Conflict & Change](#) (6)
 SBS 4918 [LASP: Seminar I](#) (5)

Natural Sciences (NS)

15 credits

A. Biological Science

5

Choose from among the following courses:

BIO 1100 [Biological Science](#) (5)
 BIO 2101 [General Biology](#) (5)
 BIO 2102 [General Biology](#) (5)
 BIO 2103 [General Biology](#) (5)
 BIO 2129 [Human Anatomy & Physiology](#) (5)
 BIO 2130 [Human Anatomy & Physiology](#) (5)

B. Physical Sciences

5

Choose from among the following courses:

CHM 1100 [Introduction to Chemistry](#) (5)
 CHM 1110 [Intro to the Nature of Science](#) (5)
 CHM 1211 [General Chemistry I](#) (5)
 CHM 1330 [Organic & Biological Chemistry](#) (5)
 EDSC 2566 [Environmt Ed:Ed for Elem Tchrs](#) (5)
 PHY 1101 [General Physics](#) (5)
 PHY 1102 [General Physics](#) (5)
 PHY 1103 [General Physics](#) (5)
 PHY 1110 [Intro to the Nature of Science](#) (5)
 PHY 1121 [Physics for Sci & Engineering](#) (5)
 PHY 1122 [Physics for Sci & Engineering](#) (5)
 PHY 1123 [Physics for Sci & Engineering](#) (5)
 PHY 1135 [Astronomy:Individual & Univers](#) (5)
 PHY 1140 [Physics of Sound](#) (5)
 PHY 1142 [Earth System Science](#) (5)
 PHY 1145 [Oceanography](#) (5)
 PHY 1150 [Introduction to Geology](#) (5)
 PHY 2566 [Physical Sci:Process Inquiry](#) (5)

C. Mathematics

5 credits

Choose from among the following courses:

- BUS 2700 [Statistics for Business & Econ](#) (5)
- HSC 4044 [Biomed Tests, Measrmts & Stats](#) (5)
- MAT 1221 [Survey of Calculus](#) (5)
- MAT 1225 [Calculus](#) (5)
- MAT 1360 [Introduction to Statistics](#) (5)
- MAT 1521 [Intro:Contemporary Mathematics](#) (5)
- MAT 2530 [Survey of Mathematics I](#) (3)
- MAT 2531 [Survey of Mathematics II](#) (2)
- MAT 2700 [Statistics for Business & Econ](#) (5)
- PSY 2360 [Intro to Stats Soc & Behav Sci](#) (5)
- SOC 2360 [Intro to Stats Soc & Behav Sci](#) (5)

Arts and Humanities (AH)

20 credits

A. Arts

Choose from among the following courses:

- ART 1102 [Drawng Studio:Observtn&Realism](#) (5)
- ART 1103 [Drawing Studio:Concept&Compstn](#) (5)
- ART 1104 [Drawing Studio:Perspective](#) (5)
- ART 1180 [The Visual Arts](#) (5)
- ART 2302 [Painting Studio:Still Life-Oil](#) (5)
- ART 2422 [Metals Studio](#) (3)
- ART 2602 [West Trad I: Ancient&Medvl Art](#) (5)
- ART 2603 [West Trad II: Art since Renssnc](#) (5)
- ART 3605 [Topics in Modern Art](#) (5)
- ART 3606 [Cross-Cultural Encounters](#) (5)
- ART 3607 [Topics in American Art](#) (5)
- COM 3780 [Introduction to Film](#) (5)
- EUR 3100 [Foundations of European Art](#) (3)
- FCS 1710 [Design Fundamentals](#) (5)
- FCS 2870 [Seeing History Through Clothes](#) (5)
- FCS 3870 [History of Costume](#) (5)
- MUS 1250 [Begin Keyboard Cls\(Non-Majors\)](#) (2)
- MUS 1251 [Intrmed Keybrd Cls\(Non-Majors\)](#) (2)
- MUS 1255 [Intrmd Keybr Profic\(Music Maj\)](#) (2)
- MUS 1260 [Beginning Voice Class](#) (2)
- MUS 1270 [Beginning Folk Guitar](#) (1)
- MUS 1271 [Intermediate Folk Guitar](#) (1)
- MUS 1600 [Exploring & Understanding Mus](#) (5)
- MUS 2305 [Women's Choir](#) (2)
- MUS 2306 [Brass Ensemble](#) (1)
- MUS 2307 [Percussion Ensemble](#) (1-2)
- MUS 2308 [Woodwind Ensmble \(Flute\)](#) (1)
- MUS 2309 [String Ensemble](#) (1)
- MUS 2311 [Jazz Ensemble](#) (2)
- MUS 2312 [Men's Choir](#) (2)
- MUS 2313 [Vocal Jazz Ensemble](#) (2)
- MUS 2340 [Chamber Ensemble](#) (1)
- MUS 2350 [Concert Choir](#) (2)
- MUS 2351 [Symphonic Wind Ensemble](#) (2)
- MUS 2353 [Symphony Orchestra](#) (2)
- MUS 2402 [History & Appreciation of Jazz](#) (5)
- MUS 2604 [Soundscape](#) (5)
- MUS 2605 [Survey of Popular Music](#) (5)
- MUS 2654 [World Music](#) (3)
- MUS 2655 [World Music Lab](#) (2)
- MUS 3401 [Music & Worship](#) (2)
- MUS 3602 [Magic of Opera](#) (5)
- MUS 4305 [Women's Choir](#) (2)
- MUS 4306 [Brass Ensemble](#) (1)
- MUS 4307 [Percussion Ensemble](#) (1-2)
- MUS 4308 [Woodwind Ensmble \(Flute\)](#) (1)

10

MUS 4309 [String Ensemble](#) (1)
 MUS 4311 [Jazz Ensemble](#) (2)
 MUS 4312 [Men's Choir](#) (2)
 MUS 4313 [Vocal Jazz Ensemble](#) (2)
 MUS 4340 [Chamber Ensemble](#) (1)
 MUS 4350 [Concert Choir](#) (2)
 MUS 4351 [Symphonic Wind Ensemble](#) (2)
 MUS 4353 [Symphony Orchestra](#) (2)
 MUS 4401 [The Song of the Church](#) (3)
 MUS 4402 [History & Appreciation of Jazz](#) (5)
 TRE 1110 [The Theatre Experience](#) (5)
 TRE 1310 [The Actor's Art](#) (5)
 TRE 1340 [Acting I: Fundamentals](#) (5)
 TRE 1930 [Performance Practicum](#) (2)
 TRE 1931 [Production Practicum](#) (2)
 TRE 2420 [Theatre & Drama:Tragedy](#) (5)
 TRE 2421 [Theatre & Drama:Comedy](#) (5)
 TRE 3780 [The Art of Film](#) (5)
 TRE 3930 [Performance Practicum](#) (2)
 TRE 3931 [Production Practicum](#) (2)

B. Humanities

10

Choose courses from among the following:

CLA 3100 [Ancient Civilization](#) (5)
 CLA 3104 [Survey Ancient Greek Lit](#) (5)
 CLA 3170 [Classical Civilization](#) (5)
 CLA 3204 [Survey of Classical Latin Lit](#) (5)
 COM 1101 [Intro to Interpersonal Commun](#) (5)
 COM 1321 [Public Speaking](#) (5)
 ENG 1110 [Literature and Faith](#) (5)
 ENG 2230 [Literature of American West](#) (5)
 ENG 2234 [Literature by Women](#) (5)
 ENG 2248 [New International Fiction](#) (5)
 ENG 3334 [American Ethnic Literature](#) (5)
 ENG 3382 [South African Lit & Theater](#) (5)
 EUR 1110 [Heritage of Europe](#) (5)
 EUR 3287 [Mythology in Literature](#) (5)
 EUR 3500 [European Civilization](#) (5)
 EUR 4912 [Russian Studies Seminar II](#) (6)
 FRE 2101 [Niveau Intermediaire](#) (5)
 FRE 2102 [Niveau Intermediaire](#) (5)
 FRE 2103 [Niveau Intermediaire](#) (5)
 FRE 3105 [Composition Conversation](#) (3)
 FRE 3205 [Topics in French Literature](#) (5)
 GER 2101 [Intermediate German I](#) (5)
 GER 2102 [Intermediate German II](#) (5)
 GER 2103 [Intermediate German III](#) (5)
 GER 3206 [Topics in German Lang & Lit](#) (3-5)
 GRK 4920 [Indpdnt Readngs Classical Grk](#) (1-5)
 HIS 3100 [Ancient Civilization](#) (5)
 HIS 3170 [Classical Civilization](#) (5)
 HUM 3000 [Other People, Other Faiths](#) (5)
 HUM 3111 [Uganda: Literature](#) (3-6)
 LAT 4920 [Indpdnt Readngs Classical Lat](#) (1-5)
 LIN 2100 [Foundations of Language Study](#) (5)
 PHI 1001 [Power of Logic](#) (5)
 PHI 1002 [History of Ethics](#) (5)
 PHI 1004 [Survey of Western Philosophy](#) (5)
 PHI 2500 [Philosophy of Science](#) (3)
 PHI 2999 [Aesthetics](#) (3)
 POL 3350 [Modrn French Political Thought](#) (5)
 RUS 2207 [Modern Russian Culture thr Lit](#) (5)
 RUS 3100 [Intermediate Russian](#) (5)
 SBS 4913 [Mid East Sem:Islam Modern Wrld](#) (6)
 SPN 2101 [Intermediate Spanish I](#) (5)
 SPN 2102 [Intermediate Spanish II](#) (5)

- SPN 2103 [Intermediate Spanish III](#) (5)
 SPN 4401 [Topics in Spanish Literature](#) (3,5)
 SPN 4501 [Topics in Latin American Lit](#) (3,5)

The Major Curriculum

Specific Standards Governing Completion of a Major

1. A major requires a minimum of 45 credits, although most programs require more. A minimum of 23 credits is required in courses numbered 3000–4999, although some programs require more. No more than 75 credits may be required or controlled by a school in designating requirements for a major without review and approval of the Undergraduate Policies and Evaluation Committee.
2. A student must complete a major to earn either a bachelor of arts or bachelor of science degree. **Note:** Students in the Professional Studies Program have completed a major (called "Professional Studies") prior to entrance at SPU. These students must complete a minor rather than a major.
3. At least 15 of the required upper-division credits in a major must be earned at Seattle Pacific University.
4. Major requirements must be met in full. These requirements of proficiency in depth and breadth are specified in the sections of the Undergraduate Catalog assigned to the various schools or departments of the University. These requirements state total credits, upper-division credits, prescribed courses, and supporting courses.
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1. Students are not obligated to complete a minor area of study in order to receive the B.A. or B.S. degree. However, a student must be working toward a major in order to earn a minor. **Note:** Students in the Professional Studies program are required to complete a minor, rather than a major, at SPU.
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3. Students may enroll in 5000-level courses but they will not apply to undergraduate degree program requirements at SPU, nor are these courses eligible for financial aid.
4. Credits in excess of 45 taken as a non-matriculated student will not apply toward an undergraduate degree.
5. Credits in excess of 15 credits taken as a non-matriculated student may not be applied to a post-baccalaureate degree.

Standards Governing Completion of a Second Bachelor's Degree

A second bachelor's degree may be earned upon completion of a minimum of 45 credits as a matriculated student at Seattle Pacific University subsequent to the granting of the first degree. The student must be accepted into a major; the date of acceptance determines the Undergraduate Catalog under which major requirements will be applied. A second degree is subject to the following conditions:

If the first degree was earned at SPU:

1. At least 15 of the 45 credits for the second degree must be taken at SPU.
2. At least 15 upper-division credits in the major must be earned at SPU.
3. No more than 15 credits taken as a non-matriculated student may apply toward the additional bachelor's degree.
4. Of the 45 credits required for the second degree, up to 15 credits may be earned prior to the granting of the first degree, provided the credits are in excess of the minimum (usually 180 credits) required for the first degree. In such a case, a student may be required to complete fewer than 45 credits for the second degree, but no fewer than 30 credits.
5. All specified requirements for the second degree must be fulfilled, including all requirements in the major.

If the first degree was earned at another institution:

1. A student who at some prior point matriculated at SPU must have at least 30 of the required 45 credits earned at SPU.
2. No more than 15 credits taken as a non-matriculated student may apply toward the additional bachelor's degree.
3. A student who has not previously matriculated at SPU must earn at least 45 credits toward the second degree at SPU.
4. At least 15 upper-division credits in the major must be earned at SPU.
5. 5 credits in Christian Scriptures or Christian Theology must be completed at SPU.
6. All specified requirements for the second degree must be fulfilled, including all requirements in the major.

An additional degree is distinguished from multiple majors within a single degree. For information regarding completion of multiple majors within a first bachelor's degree, see item 8 listed above, under Specific Standards Governing the Completion of a Major.

Academic Program

The Academic Program

Scholarship Informed by Faith

The clear Christian commitment of Seattle Pacific University has remained the same for more than a century. The institution continues to believe that the finest education is informed by Christian faith. As a university, Seattle Pacific has a mission of intellectual inquiry. Believing that the Christian faith calls it to excellence — both intellectually and spiritually — the University actively strives to provide the highest quality education available. In keeping with this, academic freedom and integrity are highly prized.

What does this mean to students? It means that they are taught by professors who approach their discipline from a Christian perspective. But students are not told what to believe. Instead, through the educational process of inquiry, discussion, and experience, they are encouraged to develop a mature, personal faith. Students are challenged at Seattle Pacific. But the University seeks to create an environment that balances freedom and support as they grapple with difficult questions. The goal is to help students emerge with an even deeper Christian conviction and a desire for Christian leadership and service.

Academic Structure

College of Arts and Sciences

Division of Fine Arts

- Art
- Music
- Theatre

Division of Humanities

- Communication and Journalism
- English
- Foreign Languages and Literatures
- Philosophy

Division of Science and Engineering

- Biology
- Chemistry
- Computer Science
- Engineering
- Mathematics
- Physics
- Pre-Professional Programs

Division of Social and Behavioral Sciences

- Family and Consumer Sciences
- History
- Physical Education and Exercise Science
- Political Science
- Sociology

Interdisciplinary

- General Studies Major
- Interdisciplinary Courses
- Professional Studies Major
- Student-Designed Majors

School of Business and Economics

- Accounting
- Business Administration
- Economics
- Professional Development

School of Education

- Elementary Certification
- Secondary Certification
- Special Education
- SPIRAL-Education Professional Development

School of Health Sciences

Nursing

School of Psychology, Family, and Community

Psychology

School of Theology

Christian Theology

Educational Ministries

Special Programs

Summer School

Distance Learning

Graduate Studies

Graduate studies at Seattle Pacific University emphasize three principal aims: scholarship, research, and professional competence. Responsibility for graduate studies is vested in the Graduate Policy and Evaluation Committee by the Faculty Senate.

Degrees Offered**Master of Arts**

Organizational Psychology (M.A.)

Sport and Exercise Leadership (M.A.)

Teaching (M.A.)

Teaching English to Speakers of Other Languages (TESOL)

Master of Business Administration (M.B.A.)**Master of Education (M.Ed.)**

Curriculum and Instruction

Education Leadership

School Counseling

Master of Fine Arts (M.F.A.)

Creative Writing

Master of Science in Nursing (M.S.N.)

Leadership in Advanced Nursing

Master of Science (M.S.)

Marriage and Family Therapy

Information Systems Management

Doctor of Education (Ed.D.)**Doctor of Philosophy in Clinical Family Psychology (Ph.D.)****Doctor of Philosophy in Organizational Psychology (Ph.D.)****Other Programs**

Advanced R.N. Practitioner (School of Health Sciences)

Principal Certification (School of Education)

Nurse Practitioner Pathways (School of Health Sciences)

Alternative Certification (School of Education)

Superintendent Certification (School of Education)

For further information on graduate programs, contact the school or department that administers the specific program.

Areas of Instruction at Seattle Pacific University

Seattle Pacific University awards the B.A. and B.S. degrees in the subject areas listed below. Some certificate programs and certifications are also available.

Information about [Seattle Pacific University's graduate degrees](#), M.A., M.B.A., M.Ed., M.S., M.S.N., Ed.D., and Ph.D., are also available.

COLLEGE OF ARTS AND SCIENCES

CAS Undergraduate Majors

[Art](#)
[Biochemistry](#)
[Biology](#)
[Chemistry](#)
[Classics](#)
[Communication](#)
[Computational Mathematics](#)
[Computer Engineering](#)
[Computing Sciences](#)
[Electrical Engineering](#)
[Engineering and Applied Sciences](#)
[English](#)
[Languages](#)
 [European Studies: Europe](#)
 [European Studies: French](#)
 [European Studies: German](#)
 [European Studies: Latin](#)
 [European Studies: Linguistics](#)
 [European Studies: Russian](#)
 [European Studies: Spanish](#)
[Exercise Science](#)
[Family & Consumer Sciences](#)
[Food and Nutritional Sciences](#)
[General Studies](#)
[History](#)
[Individual and Family Development](#)
[Interior Design](#)
[Latin American Studies: Spanish](#)
[Mathematics](#)
[Music](#)
[Philosophy](#)
[Physical Education](#)
[Physics](#)
[Political Science](#)
[Pre-Law](#)
[Pre-Professional Health Programs](#)
[Professional Studies](#)
[Sociology](#)
[Student-Designed Major](#)
[Textiles and Clothing](#)
[Theatre](#)
[Visual Communication](#)

CAS Undergraduate Minors

[Art \(Studio Arts\)](#)
[Biology](#)
[Chemistry](#)
[Classics](#)
[Clothing and Textiles](#)

[Communication](#)
[Computer Engineering](#)
[Computer Science](#)
[Electrical Engineering](#)
[English](#) (Literature, Creative Writing,
Professional Writing)
[European Studies: Europe](#)
[European Studies: French](#)
[European Studies: German](#)
[European Studies: Latin](#)
[European Studies: Linguistics](#)
[European Studies: Russian](#)
[European Studies: Spanish](#)
[Exercise Science](#)
[Food and Nutritional Sciences](#)
[Geopolitics](#)
[History](#)
[Journalism](#)
[Individual and Family Development](#)
[Latin American Studies](#)
[Leadership Studies](#)

[Mathematics](#)
[Music](#)
[Philosophy](#)
[Physical Education](#)
[Physics](#)
[Political Science](#)
[Sociology](#)
[Theatre](#)
[Women's Studies](#)

College of Arts and Sciences

Demaray Hall
206-281-2166
www.spu.edu/depts/cas/

Bruce D. Congdon, Dean of the College of Arts and Sciences

The College of Arts and Sciences (CAS) at Seattle Pacific University offers undergraduate majors in 18 different disciplines and two graduate programs. As home to humanities, arts, and social and natural sciences, CAS provides a foundation of liberal learning and skills in reasoning, critical thinking, and communication. Central to our mission is contributing to the formation of a mature Christian faith and the development of the whole person. Graduates of the College of Arts and Sciences are prepared for lives of continuing learning and responsiveness to a changing world.

A complete list of CAS departments is below; click the department for detailed information such as admission to its major(s) and minor(s), faculty members, contact information, and course listings.

COLLEGE OF ARTS AND SCIENCES

Division of Fine and Performing Arts

[Art](#)

[Music](#)

[Theatre](#)

Division of Humanities

[Classics](#)

[Communication and Journalism](#)

[English](#) (Literature* and Writing*)

[Languages](#)

[European Studies: Europe](#)

[French](#)

[German](#)

[Latin](#)

[Linguistics](#)

[Russian](#)

[Spanish](#)

[Latin American Studies: Spanish](#)

[Philosophy](#)

Division of Science and Engineering

[Biology](#)

[Chemistry and Biochemistry](#)

[Computing Sciences](#)

[Engineering](#)

[Mathematics](#)

[Physics](#)

[Pre-Professional Health Programs](#)

Division of Social and Behavioral Sciences

[Family and Consumer Sciences](#)

[History](#)

[Physical Education and Exercise Science](#)

[Political Science](#)

[Pre-Law](#)

[Sociology](#)

Interdisciplinary

[General Studies Major](#)

[Interdisciplinary Courses](#)

[Professional Studies Major](#)

[Student-Designed Major](#)

[University Scholars Program](#)

[Women's Studies*](#)

Need to know when a course is being offered? [Click here](#) for the 2007-2008 *Time Schedule*.

ART

Art Center
3 West Cremona
206-281-2079 or 206-281-2205
www.spu.edu/depts/viscom/

FACULTY: [Roger Feldman](#), [Karen Gutowsky-Zimmerman](#), [E. Katie Kresser](#), [Laura L Lasworth](#), [Christen Joy Mattix](#)

ART DEPARTMENT ADJUNCT FACULTY: Juanita Brautlacht, Suzanne Brooker, Virginia Causey, Laurence Chen, Craig Downey, Linda Enche-Keene, Brian Glassco, Susan Harris, Paulette Manson, Dominic Williamson

The purpose of the art program is

1. to acquaint students with the fundamental elements and principles of the visual arts and design and their use in either studio arts or visual communication;
2. to develop students' skills in the use of various traditional and experimental forms of studio and technological media;
3. to encourage application of skills in a manner that engages contemporary culture;
4. to build cultural literacy through exposure to art history and critical theory; and
5. to encourage students' exploration of the spiritual nature of art and design as an expression of their faith. The curriculum provides training in studio arts, illustration, visual communication and art history, and aims to prepare students for both professional practice and advanced study.

Admission to the Major or Minor

Formal application for admission to a major or minor in art should be made upon completion of the specified freshman drawing and design course sequences (see specific major requirements). Students pursuing the art history emphasis may apply after completion of two art history courses. In the case of a transfer student with class status beyond the sophomore level, application to the studio art or visual communication major or art minor can be made after confirmation of successful completion of equivalent drawing and design course sequences. At the time of application the student must:

1. designate her or his intention to pursue studies in studio arts, illustration/new pictures, art history or visual communication, or to pursue a minor in studio arts;
2. submit a specified portfolio for review;
3. have a minimum 2.5 GPA in art courses; and
4. have completed three of the designated foundational courses.

Requirements for the Art Major, Art Minor, and Visual Communication Major

All studio art majors, as a condition of graduation, are required to participate in a Senior Exhibition during Spring Quarter of their senior year. All senior visual communication majors, as a condition of graduation, are required to participate during Spring Quarter of their senior year in the Visual Communication Portfolio Exhibition. Senior art majors must also, as a condition of graduation, provide the Art Department with a comprehensive photographic portfolio of work completed during their studies. The images will be retained by the Art Department as part of the department image bank. The minimum upper-division credit requirement for the Art major and for the Visual Communication major is 30 credits. At least 15 upper-division credits must be completed for the art minor.

ART MAJOR EMPHASIS IN ART HISTORY

71 Credits Total, Including 30 Upper Division

Suggested Course Sequence

Two Studio Foundation Courses	
Course	Credits
ART 1102 Drawing Studio:Observtn&Realism(5)	
ART 1103 Drawing Studio:Concept&Compstn(5)	
ART 1104 Drawing Studio:Perspective(5)	
ART 1202 Design Studio-2 Dimensional(5)	10
ART 1205 Design Studio Color(5)	
ART 2302 Painting Studio:Still Life-Oil(5)	
SECTION CREDITS REQUIRED	10
History Emphasis Courses	
Course	Credits
ART 2602 West Trad I: Ancient&Medvl Art	5
ART 2603 West Trad II: Art since Renssnc	5
ART 3604 Art Theory & Historiography	3
ART 3607 Topics in American Art	5
ART 3605 Topics in Modern Art	5
ART 3606 Cross-Cultural Encounters	5
ART 4897 Senior Capstone: Art History	3
SECTION CREDITS REQUIRED	31
Courses in Philosophy	
Course	Credits
PHI 1004 Survey of Western Philosophy	5
SECTION CREDITS REQUIRED	5
Two courses in FRE, GER or ITL (beyond minimum competency)	10
Approved HIS, ENG, CLA, THEO, EUR, or PHI courses, incl 9 UD	15
TOTAL CREDITS REQUIRED	71

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

ART MAJOR EMPHASIS IN ILLUSTRATION/NEW PICTURES

91 Credits Total, Including 30 Upper Division

Suggested Course Sequence

Foundational Courses	
Course	Credits
ART 1102 Drawing Studio:Observtn&Realism	5
ART 1103 Drawing Studio:Concept&Compstn	5
ART 1104 Drawing Studio:Perspective	5
ART 1202 Design Studio-2 Dimensional	5
ART 1203 Design Studio-3 Dimensional	5
ART 1205 Design Studio Color	5
SECTION CREDITS REQUIRED	30
Core Courses	
Course	Credits
ART 1204 Design Studio-Computer	3
ART 2302 Painting Studio:Still Life-Oil	5
ART 2112 Drawing Studio: Beginng Figure	3
SECTION CREDITS REQUIRED	11
Illustration Emphasis Courses	
Course	Credits
ART 2205 Image Capture	3
ART 2502 Illustration	3
ART 3200 Intro: Typography&Letterforms	3
ART 3502 Image and Narration	3
ART 4302 Painting Studio: New Pictures	3
ART 4505 Illustration Studio: Digital	3
ART 4898 Senior Capstone:Studio Arts	3
ART 4966 Senior Studio Project	2
ART 3112 Drawng Studio:Intensive Figure(3)	3
ART 3303 Painting Studio: Figure(3)	
ART 3302 Painting Studio: Oil & Acrylic(3)	3
ART 4502 Illustration Studio:Portriture(3)	
ART 2421 Printmaking Studio(3)	3
ART 3315 Painting Studio-Watercolor(3)	
ART 3608 Issues in Contemporary Art(5)	5
ART 3610 Histy Graphic Design/Illustrn(5)	
ART 2602 West Trad I: Ancient&Medvl Art	5
ART 2603 West Trad II: Art since Renssnc	5
SECTION CREDITS REQUIRED	47

Upper-division Art elective course	3
TOTAL CREDITS REQUIRED	91

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ART MAJOR EMPHASIS IN STUDIO ARTS

90 Credits Total, Including 30 Upper Division

Suggested Course Sequence

Foundational Courses: Drawing Studio	
Course	Credits
ART 1102 Drawing Studio:Observtn&Realism	5
ART 1103 Drawing Studio:Concept&Compstn	5
ART 1104 Drawing Studio:Perspective	5
SECTION CREDITS REQUIRED	15
Foundational Courses: Design Studio	
Course	Credits
ART 1202 Design Studio-2 Dimensional	5
ART 1203 Design Studio-3 Dimensional	5
ART 1204 Design Studio-Computer	3
ART 1205 Design Studio Color	5
SECTION CREDITS REQUIRED	18
Foundational Courses	
Course	Credits
ART 2421 Printmaking Studio	3
ART 2302 Painting Studio:Still Life-Oil	5
ART 2722 Sculpture Studio	5
SECTION CREDITS REQUIRED	13
Studio Arts Emphasis Courses	
Course	Credits
ART 2112 Drawing Studio: Beginnng Figure	3
ART 4966 Senior Studio Project	6
ART 3608 Issues in Contemporary Art	5
ART 4898 Senior Capstone:Studio Arts	3
SECTION CREDITS REQUIRED	17

Art History	
Course	Credits
ART 2602 West Trad I: Ancient & Medvl Art	5
ART 2603 West Trad II: Art since Renssnc	5
ART 3605 Topics in Modern Art (5)	5
ART 3606 Cross-Cultural Encounters (5)	
ART 3607 Topics in American Art (5)	
SECTION CREDITS REQUIRED	15
Four 3-credit, upper-division ART elective courses	12
TOTAL CREDITS REQUIRED	90

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ART MINOR IN STUDIO ARTS

49 Credits Total, Including 15 Upper Division

Core Courses Part 1	
Course	Credits
ART 1102 Drawing Studio: Observtn & Realism (5)	10
ART 1103 Drawing Studio: Concept & Compstn (5)	
ART 1104 Drawing Studio: Perspective (5)	
SECTION CREDITS REQUIRED	10
Core Courses Part 2	
Course	Credits
ART 1202 Design Studio-2 Dimensional (5)	10
ART 1203 Design Studio-3 Dimensional (5)	
ART 1204 Design Studio-Computer (3)	
SECTION CREDITS REQUIRED	10
Studio Arts Emphasis	
Course	Credits
ART 2302 Painting Studio: Still Life-Oil	5
ART 2421 Printmaking Studio	3
ART 2722 Sculpture Studio	5
SECTION CREDITS REQUIRED	13
Art History	
Course	Credits
ART 3604 Art Theory & Historiography (3)	10
ART 3605 Topics in Modern Art (5)	
ART 3606 Cross-Cultural Encounters (5)	
ART 3607 Topics in American Art (5)	
ART 3608 Issues in Contemporary Art (5)	
ART 3610 Histy Graphic Design/Illustrn (5)	

SECTION CREDITS REQUIRED	10
Art Electives (Two upper-division Art courses)	6
TOTAL CREDITS REQUIRED	49

Additional Requirements:	
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog	

ART COURSE DESCRIPTIONS

<p>ART 1102 Drawing Studio:Observtn&Realism (5) Offerings</p> <p>Emphasizes sighting techniques for observational drawing of still life, interiors/exterior, and the human figure. Covers techniques in class such as contour line, schematic systems and sighting techniques for accuracy in scale and proportion, perspective by eye, value and light logic, schematic approaches for drawing the human form. Extra fee.</p> <p><u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Junior, Senior students are excluded.</p>
<p>ART 1103 Drawing Studio:Concept&Compstn (5) Offerings</p> <p>Encourages students to explore areas of expressive drawing and composition. Emphasizes development of personal, introspective image making. Focuses on storytelling and creative thinking processes - the "secret/unseen" realities of the subjects. Emphasizes inner/outer worlds and realities, assumptions versus fact and narrative illustration as well as exploration of various media in experimental applications. Also emphasizes the development of highly personal, introspective image making.</p> <p><u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Junior, Senior students are excluded.</p>
<p>ART 1104 Drawing Studio:Perspective (5) Offerings</p> <p>Provides an introduction and in depth exploration of technical drawing systems that enable designers and illustrators to simulate 3D space. Covers techniques such as: orthographic projection, parallel drawing, and linear perspective systems. Extra fee.</p> <p><u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Art, Interior Design, Textiles & Clothing Majors only. Junior, Senior students are excluded.</p>
<p>ART 1180 The Visual Arts (5) Offerings</p> <p>Introduces and analyzes visual forms through lecture, observation, and discussion. The nature of the visual arts is explored from the vantage points of the artist and viewer/critic.</p> <p><u>Attributes:</u> Arts and Humanities A</p>
<p>ART 1202 Design Studio-2 Dimensional (5) Offerings</p> <p>Applies the elements and principles of visual arts and design to two-dimensional projects in a variety of media emphasizing practical design problems. Emphasizes two-dimensional design. Extra fee.</p>
<p>ART 1203 Design Studio-3 Dimensional (5) Offerings</p> <p>Applies the elements and principles of visual arts and design to three-dimensional projects in a variety of media emphasizing practical design problems. Emphasizes three-dimensional design. Extra fee.</p>
<p>ART 1204 Design Studio-Computer (3) Offerings</p> <p>Applies the elements and principles of visual art and design to projects utilizing digital imaging and manipulation. Emphasis placed on digital media as tools for creating works of art. Extra fee.</p> <p><u>Restrictions:</u> Art Majors only. Freshman, Sophomore students only.</p>
<p>ART 1205 Design Studio Color (5) Offerings</p>

Presents an overview of the study of color and color relationships. Emphasis will be placed on the seven color contrasts as defined by Itten in the Elements of Color. Students will work with both paint and computer systems.

Restrictions: *Art Majors only. Freshman, Sophomore students only.*

ART 2112 Drawing Studio: Beginnng Figure (3) Offerings

Prerequisite: ART 1102, 1103, or 1104. Provides an introduction to figure drawing for beginning students who want to develop sound drawing and observational skills in life drawing. Highly stresses anatomical observation focusing on an understanding of skeletal structure and musculature. Composition and lighting are also highlighted during class discussions. Extra fee.

Restrictions: *Art, Interior Design, Textiles & Clothing Majors only.*

ART 2201 Introduction to Computer Art (3) Offerings

Prerequisites: (ART 1102 or 1103 or 1104) and ART 1202 and 1205. Overview and exploration of the rudimentary use of digital media as it relates to the design production of visual communications. Extra fee.

ART 2205 Image Capture (3) Offerings

Prerequisite: ART 1204 or 2201. Exploration of traditional and digital methods of capturing images for refinement, manipulation, or reference. Extra fee.

Restrictions: *Visual Arts Majors only.*

ART 2302 Painting Studio:Still Life-Oil (5) Offerings

Emphasizes rendering and modeling techniques in oil paint to accurately create a 3D illusion. Focuses on volume of primary forms. A conceptual component of the class will focus on the Iconology of still life resonant with meaning in the history of painting. Extra fee.

Attributes: *Arts and Humanities A* **Restrictions:** *Junior, Senior students are excluded.*

ART 2421 Printmaking Studio (3) Offerings

Studies graphic art with projects in several printing media including relief and intaglio processes in woodcut, linocut, drypoint and etching, lithography, and monoprint. Extra fee.

Restrictions: *Freshman students are excluded.*

ART 2422 Metals Studio (3) Offerings

Teaches the raising, soldering, and forging of metals into utensils and decorative forms such as jewelry. Emphasizes fabrication. Extra fee.

Attributes: *Arts and Humanities A*

ART 2502 Illustration (3) Offerings

Prerequisites: ART (1102 or 1103 or 1104) and 1202, and ART 1205 or 3315. Introduction to the various problems, materials, techniques, and processes utilized in professional illustration. Extra fee.

ART 2602 West Trad I: Ancient&Medvl Art (5) Offerings

Survey course treating Western Art (and its major Eastern influences) from Ancient Egypt through the late Middle Ages.

Attributes: *Arts and Humanities A*

ART 2603 West Trad II: Art since Renssnc (5) Offerings

Survey course treating Western art from the Renaissance until the middle twentieth century.

Attributes: *Arts and Humanities A*

ART 2722 Sculpture Studio (5) Offerings

Prerequisite: ART 1203. Studies of three-dimensional form and composition with the several media typically used in sculpture. Emphasizes additive and subtractive sculpture techniques. Extra fee.

Restrictions: *Freshman students are excluded.*

ART 3112 Drawing Studio: Intensive Figure (3) Offerings

Prerequisites: ART 1102 or 1103 or 1104, and ART 2112. Studies core body balance, contour line, shading and proportion. Emphasizes comfortable, focused, and fully alert drawing to achieve accurate and beautiful figure drawing. Challenges students to let go of assumptions of how the body looks in order to learn not only how to look, but to see. This type of exercise is beneficial to almost any level of artist. Extra fee.

Attributes: Upper-Division Restrictions: Art, Interior Design, Textiles & Clothing Majors only. Freshman students are excluded.

ART 3200 Intro: Typography&Letterforms (3) Offerings

Prerequisite: ART 2201. Introduces the communicative, symbolic and associative aspects of typography. Emphasizes the strategic use of typography as a primary design element. Extra fee.

Attributes: Upper-Division Restrictions: Visual Communication Majors only. Freshman students are excluded.

ART 3202 Visual Communication I (5) Offerings

Prerequisites: ART 2205, 2208, and 2502. Exploration of creative ideas, resources, digital processes, media, and terminology in the development of visual communication solutions. Extra fee.

Attributes: Upper-Division Restrictions: Visual Communication Majors only. Freshman, Sophomore students are excluded.

ART 3204 Visual Communication II (5) Offerings

Prerequisite: ART 3202. Continues exploration of terminology, processes, and theory in the development of design solutions for various forms of visual communication. Extra fee.

Attributes: Upper-Division Restrictions: Art, Visual Communication Majors only. Freshman, Sophomore students are excluded.

ART 3205 Applied Typography (5) Offerings

Prerequisite: ART 3200. Teaches advanced application of typographic systems to both static and moving communication mediums. Extra fee.

Attributes: Upper-Division Restrictions: Visual Communication Majors only. Freshman, Sophomore students are excluded.

ART 3208 Programs/Case Studies (5) Offerings

Prerequisite: ART 3202. Covers design development and application related to a series of communication devices supporting a campaign, conference or event. Extra fee.

Attributes: Upper-Division Restrictions: Visual Communication Majors only. Freshman, Sophomore students are excluded.

ART 3302 Painting Studio: Oil & Acrylic (3) Offerings

Prerequisites: ART 1102 or 1103 or 1104, and ART 2302 or permission of instructor. Explores new directions and interpretations of classical interiors, landscape, and environments. Also investigates imaginary and observational approaches. Extra fee.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

ART 3303 Painting Studio: Figure (3) Offerings

Prerequisites: (ART 1102, or 1103, or 1104) and 1205, 2302, and 2112. Explores the development of accurate proportion and structure of the human figure in oil paint by focusing on light and its application to the human form. Also examines the study of color, value, and the use of restricted palettes for a wide range of skin tones. Extra fee.

Attributes: Upper-Division Restrictions: Art Majors only. Freshman students are excluded.

ART 3315 Painting Studio-Watercolor (3) Offerings

Prerequisites: ART 1102 or 1103, and ART 2302. Investigates a range of technical skills in the use of traditional and experimental watercolor. Extra fee.

Attributes: Upper-Division

ART 3421 Printmaking Studio-Advanced I (3) Offerings

Prerequisite: ART 2421 or permission of instructor. Studies graphic art with projects in several of the printmaking media including serigraph, collograph and monoprint. Extra fee.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

<p>ART 3422 Metals Studio - Advanced I (3) Offerings</p> <p>Prerequisite: ART 2422 or permission of instructor. Teaches the raising, soldering, and forging of metals into utensils and decorative forms such as jewelry. Emphasizes forming. Extra fee.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.</p>
<p>ART 3502 Image and Narration (3) Offerings</p> <p>Prerequisites: ART (1102 or 1103 or 1104) and 1202, 2112, and (1205 or 3315). Investigates various forms of representation and their application to narrative content. Projects will emphasize the process of working from text to visual image in the form of illustration, computer art, painting, and/or printmaking. Extra fee. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Art Majors only. Freshman, Sophomore students are excluded.</p>
<p>ART 3546 Art Education (3) Offerings</p> <p>Discusses the principles and elements of art as related to a variety of media with direct application to use in the classroom. Special emphasis on the role of art in the curriculum and understanding the perceptual development of children. Studio periods will be augmented with lectures and discussion. Extra fee.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.</p>
<p>ART 3604 Art Theory & Historiography (3) Offerings</p> <p>Prerequisites: ART 2602 or 2603. A survey and critical study of the art of the United States from the colonial period until the early twentieth century, with a research focus to be determined by the instructor. The research focus may be based on student interest, or on opportunities afforded by local museums/galleries. Offered alternate years.</p> <p><u>Attributes:</u> Upper-Division, Writing "W" Course</p>
<p>ART 3605 Topics in Modern Art (5) Offerings</p> <p>A survey and critical study of European and transatlantic artistic trends from the middle nineteenth century until the middle twentieth century, with a research focus to be determined by the instructor. The research focus may be based on student interest, or on opportunities afforded by local museums/galleries. Offered alternate years.</p> <p><u>Attributes:</u> Arts and Humanities A, Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman students are excluded.</p>
<p>ART 3606 Cross-Cultural Encounters (5) Offerings</p> <p>A critical examination of points of contact between the West and the "Other". We'll consider how colonial occupation, global economic expansion and technological advancement (particularly as pertaining to mass reproduction) have transformed Western visual culture. In the process we'll consider phenomena like japonisme and "primitivism", the ethics of museum display, and the politics of representation. Offered alternate years.</p> <p><u>Attributes:</u> Arts and Humanities A, Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman students are excluded.</p>
<p>ART 3607 Topics in American Art (5) Offerings</p> <p>A survey and critical study of the art of the United States from the colonial period until the early twentieth century, with a research focus to be determined by the instructor. The research focus may be based on student interest, or on opportunities afforded by local museums/galleries. Offered alternate years.</p> <p><u>Attributes:</u> Arts and Humanities A, Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman students are excluded.</p>
<p>ART 3608 Issues in Contemporary Art (5) Offerings</p> <p>A study of art produced since 1970 focusing on current art movements and their relationship to changing social values. Course structure includes both lecture/discussion and gallery-oriented experiences.</p> <p><u>Attributes:</u> Upper-Division, Writing "W" Course <u>Restrictions:</u> Art Majors only. Freshman, Sophomore students are excluded.</p>
<p>ART 3610 History Graphic Design/Illustration (5) Offerings</p> <p>Survey of historical roots of typography, illustration, and graphic design to the present. Issues, ideas, and designer/artists are studied as vehicles for historical advancement.</p> <p><u>Attributes:</u> Upper-Division, Writing "W" Course <u>Restrictions:</u> Art, Visual Communication Majors only.</p>

<i>Freshman students are excluded.</i>
ART 3722 Sculpture Studio - Advanced I (3) Offerings
Prerequisite: ART 2722 or permission of instructor. Studies in development of composition and process with emphasis on refining media appropriate to conceptual development. Extra fee.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
ART 4207 Information Design (5) Offerings
Prerequisites: ART 3200, 3202, 3204, 3205, and 3208. Explores theoretical, practical and developmental aspects of information design. Develops systematic approaches to visually communicating complex statistics and data. Extra fee.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Visual Communication Majors only. Freshman, Sophomore students are excluded.</i>
ART 4208 Interactive Media I (5) Offerings
Prerequisite: ART 3204. Introduction to the tools, processes, and strategies for time-based media. Concentration on fundamental properties of the electronic environment, along with development of appropriate skill base. Extra fee.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Art Majors only. Freshman, Sophomore students are excluded.</i>
ART 4209 Environmental Design (5) Offerings
Prerequisites: ART 3200, 3205, 4207, and 4208. Explores spatial information environments and experience design. Investigates wayfinding, navigation, exhibition, and/or signage. Extra fee.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Visual Communication Majors only. Freshman, Sophomore students are excluded.</i>
ART 4210 Interactive Media II (5) Offerings
Prerequisite: ART 4208. Continued development of design aspects related to time-based and interactive media. Emphasis placed on strategic use of theory, methodology, and refinement in the development of electronic interactive Web sites or learning tools. Extra fee.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Art Majors only. Freshman, Sophomore students are excluded.</i>
ART 4212 Motion Graphics (3) Offerings
Prerequisite: ART 4210. Exploration and focus upon utilization of movement as a design element in the interactive electronic environment. Investigation of primitive to sophisticated uses of animation as a communicative instrument. Extra fee.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Art Majors only. Freshman, Sophomore students are excluded.</i>
ART 4302 Painting Studio: New Pictures (3) Offerings
Prerequisites: (ART 1102 or 1103 or 1104), and ART 1205, 2302, and 3302. Emphasizes image and idea to learn the nuances of conceptual thinking. Particular emphasis is placed on innovative approaches to presentation, matching form with content, risk-taking, and non-literal thinking. The goal is to enable students to integrate skills and ideas. Projects are aimed at challenging students to break with conventional notions of Painter and/or Illustrator. Extra fee. May be repeated for credit 2 times.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Visual Arts Majors only. Junior, Senior students only.</i>
ART 4421 Printmaking Studio-Advanced II (3) Offerings
Prerequisites: ART 2421, 3421 or permission of instructor. Studies graphic art with projects in several of the printing media, including woodcut, serigraph, and collagraph. Extra fee. May be repeated for credit 1 time.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
ART 4422 Metals Studio - Advanced II (3) Offerings
Prerequisites: ART 2422, 3422, or permission of instructor. Teaches the raising, soldering, and forging of metals into utensils and decorative forms such as jewelry. Emphasizes casting. Extra fee. May be repeated for credit 2 times.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
ART 4502 Illustration Studio:Portriture (3) Offerings
Prerequisites: ART (1102 or 1103) and 1205 and 2112. The anatomy of the human head is studied

analytically through drawing from direct observation from a live model. Further analysis will include a multitude of ways to draw and paint the head and face to capture its multitude of expressions, moods and power to communicate. Students will use a variety of media in this class. Extra fee.

Attributes: Upper-Division Restrictions: Art Majors only.

ART 4505 Illustration Studio: Digital (3) Offerings

Prerequisites: ART 1102, 1103, 1104, 1202, 1204, 1205, and 2502. Focuses on digital illustration techniques for new and different uses of Adobe Illustrator. Students will develop digital rendering skills through a variety of skill based assignments. Course material covers: drawing skills and concepts toward characters and environments for editorial illustration, children's books, and graphic novels. Students also learn to create technical renderings of 3D objects and spaces. Extra fee.

Attributes: Upper-Division Restrictions: Art Majors only.

ART 4722 Sculpture Studio - Advanced II (3) Offerings

Prerequisite: ART 3722 or permission of instructor. Studies of three-dimensional form and composition with emphasis on site-specific sculpture, installation art and art in the public place. Extra fee. May be repeated for credit 2 times.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

ART 4897 Senior Capstone: Art History (3) Offerings

An open exploration of points of contact between contemporary critical methods and principles of faith. Which popular art-historical approaches are commensurable with a Christian worldview? Which aren't? What are the ethical responsibilities of a Christian art historian?

Attributes: Upper-Division Restrictions: Senior students only.

ART 4898 Senior Capstone: Studio Arts (3) Offerings

Prerequisite: ART 3608. Students will study portions of significant texts that ask them to think about how their faith perspective intersects with their studio practice. Examples of the kind of text to be included: A Wounded Innocence: Sketches for a Theology of Art; Art and Scholasticism; Art in Action; The Religious Art of Andy Warhol; and The Arts of the Beautiful. Students will explore this further through the artwork they will produce for the senior show, writing an artist's statement and a reflective essay. Finally, the course deals with the preparation of a portfolio, setting up a studio, and working professionally.

Attributes: Upper-Division Restrictions: Art, Visual Arts Majors only. Senior students only.

ART 4899 Senior Capstone: Visual Communc (3) Offerings

The interface of visual communication with contemporary culture and its influences will be examined in the context of a faith perspective. Students will be expected to examine their own values in the context of a career trajectory that may challenge ethical boundaries. Readings related to visual culture and connections with issues of faith will facilitate this exploration. Students are required to write a position paper that formulates a design philosophy and integrates one's own faith perspective.

Attributes: Upper-Division Restrictions: Visual Communication Majors only. Senior students only.

ART 4900 Independent Study (1-5) Offerings

Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits.

Attributes: Upper-Division

ART 4920 Readings in Art (1-5) Offerings

Readings in Art May be repeated for credit up to 15 credits.

Attributes: Upper-Division, Writing "W" Course Restrictions: Visual Arts Majors only. Freshman, Junior, Sophomore students are excluded.

ART 4930 Practicum (1-5) Offerings

Practicum May be repeated for credit up to 5 credits.

ART 4943 Art Internship (1-5) Offerings

An opportunity for art and design students to gain additional proficiency and experience in the professional art or design arenas. May be repeated for credit up to 20 credits.

Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
ART 4950 Special Topics in Art (1-5) Offerings
Special Topics in Art May be repeated for credit up to 15 credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Visual Arts Majors only. Freshman, Junior, Sophomore students are excluded.</i>
ART 4966 Senior Studio Project (2) Offerings
Senior self designs and completes, over the academic year, a visual arts project that will form the core of the work he or she displays in the Senior Exhibition. Students must register for this course for each quarter of their senior year. May be repeated for credit up to 15 credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Art, Visual Arts Majors only. Freshman, Junior, Sophomore students are excluded.</i>
ART 4968 Special Project (1-6) Offerings
Special Project May be repeated for credit up to 6 credits.
Attributes: <i>Upper-Division</i>
PHI 1004 Survey of Western Philosophy (5) Offerings
This course surveys the main ideas, movements and figures in the history of western philosophy from Socrates to Wittgenstein.
Attributes: <i>Arts and Humanities B</i>

ART DEPARTMENT FACULTY

Feldman, Roger. Department Chair of Art / Professor of Art; B.A., University of Washington 1972; Master of Fine Arts, Claremont Graduate University 1977. At SPU since 2000. ([Contact Info](#))

Gutowsky-Zimmerman, Karen. Associate Professor of Art - Visual Communication; B.F.A., University of Illinois Urbana 1984; Master of Fine Arts, University of Washington 2000. At SPU since 2005. ([Contact Info](#))

Kresser, E. Katie. Assistant Professor of Art; B.A., Indiana University Bloomington 1998; Master of Arts, Harvard University 2001; Doctor of Philosophy, Harvard University 2006. At SPU since 2006. ([Contact Info](#))

Lasworth, Laura L. Professor of Art; B.F.A., School Art Inst Chicago 1977; Master of Fine Arts, Calif Institute Arts 1980. At SPU since 2002. ([Contact Info](#))

Mattix, Christen Joy. Assistant Professor of Art; B.F.A., Western Washington University 2001; Master of Fine Arts, San Francisco Art Institute 2005. At SPU since 2006. ([Contact Info](#))

MUSIC

Crawford Music Building
206-281-2205
www.spu.edu/depts/fpa

FACULTY: [David Anderson](#), [Carlene J. Brown](#), [Eric A Hanson](#), [Ramona A Holmes](#), [Wayne David Johnson](#), [Gerry Jon Marsh](#), [Stephen Michael Newby](#), [Julie K. Sigars](#)

MUSIC DEPARTMENT ADJUNCT FACULTY: Dan Adams, Ian Alvarez, Margaret Brennand, Rodger Burnett, Myrna Capp, Julian Catford, Brian Chin, Paul de Barros, Michelle Doiron, Todd Gowers, Selina Greso, Catherine Haight, Ronald Haight, Jack Halm, Robert Jacky, Mary Kantor, Jacinta Koreski, Neil Lieurance, Leslie Martin, William Park, Andrew Parks, Francine Peterson, Matthew Schneider, Julie Kae Sigars, Robert Swan, Ilkka Talvi, Anna Woodward, Kimberly Zabelle

The purpose of the music program is threefold: (1) to provide opportunities for all students to study music as an essential part of a liberal arts education; (2) to provide majors in music with the opportunity to develop basic musicianship and performance skills appropriate to the various emphases in the degree; and (3) to recognize the interrelationship between music and the other creative arts. SPU is an accredited institutional member of the [National Association of Schools of Music](#).

Career Opportunities

Students majoring in music have the advantage of a strong music major within a liberal-arts setting. Students with an emphasis in music education are prepared to teach music in the elementary and secondary schools. Other emphases in music train people to use their gifts as performers, as composers, as studio technicians, as private studio teachers, and for advanced study in performance, theory, and literature.

Music Ensemble Opportunities

Many music ensembles are available to SPU students. In the course listings, ensembles are in the 2000/4000 series and course descriptions and requirements may be found there. All ensemble courses carry regular University credit and most require an audition or permission of the instructor for enrollment.

GPA Admission Requirement

A minimum GPA of 3.0 is required for admission to the music major.

Piano proficiency is required by the junior year. Students who are enrolled in Musicianship I or II and who are identified as needing remedial keyboard skills may be required to enroll in MUS 1255 until the keyboard proficiency exam (required of all majors) is passed.

MUSIC EDUCATION: CHORAL/VOCAL OPTION

141 Credits Total, Including 23 Upper Division

Suggested Course Sequence

General Music Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5)	15
MUS 1102 Musicianship I:Matrl & Struct (5)	
MUS 1103 Musicianship I:Matrl & Struct (5)	
MUS 2101 Musicianship II:Matrl & Struct (4)	12
MUS 2102 Musicianship II:Matrl & Struct (4)	
MUS 2103 Musicianship II:Matrl & Struct (4)	
MUS 2601 Survey of Music Literature I (3)	9
MUS 2602 Survey of Music Literature II (3)	
MUS 2603 Survey of Music Literature III (3)	
SECTION CREDITS REQUIRED	36
Additional Requirements: Music Education Core	
Course	Credits
MUS 2550 Foundations of Music Education	3
MUS 3502 Music in Special Education	3
MUS 3503 Gen Music Methods & Materials	3
MUS 3608 Music Technology Applications	5
MUS 4655 Context Studies in Music II	3
SECTION CREDITS REQUIRED	17
School of Education Requirements	
Course	Credits
PSY 1180 Gen Psych:Individual in Growth (5)	5
SOC 1110 Introduction to Sociology (5)	
EDU 2104 Introduction to Education	2
EDU 3105 Laboratory Experience:Elemntry (2)	2
EDU 3106 Laboratory Experience:Secondry (2)	
EDU 3200 Elem Gen Meth I:Classrm Mangmt (2)	2
EDU 3250 Sec Gen Mth I:Plan & Cls Mngmt (2)	
EDU 3942 September Experience	1
EDU 4530 Topics in Secondary Education	3
EDU 4800 Teacher as Person	2
EDU 4943 Elementary Internship:Music	15
EDU 4945 Secondary Internship A	15
SECTION CREDITS REQUIRED	47

Music Education: Choral/Vocal Option	
Course	Credits
MUS 2501 Brass Techniques (1)	6
MUS 2502 Percussion Techniques (1)	
MUS 2503 String Techniques (1)	
MUS 2504 Woodwind Techniques (1)	
MUS 3505 Instrmntl Mus Meths & Matrials (2)	
MUS 3504 Choral Mus Methods & Matrials (2)	9
MUS 3603 Choral Literature (2)	
MUS 4102 Choral Arranging (2)	
MUS 4701 Choral Conducting (3)	
MUS 1260 Beginning Voice Class (2)	10
MUS 2260 The Singer's Art I (3)	
MUS 2261 The Singer's Art II (3)	
MUS 4262 Vocal Pedagogy & Techniques (2)	
SECTION CREDITS REQUIRED	25
Ensemble	6
Individual Instruction in a Major Performance Area	9
TOTAL CREDITS REQUIRED	141

Additional Requirements:

Piano Proficiency- 0-3 Credits

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

MUSIC EDUCATION: COMBINED CHORAL/INSTRUMENTAL OPTION

144 Credits Total, Including 23 Upper Division

[Suggested Course Sequence](#)

General Music Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5)	15
MUS 1102 Musicianship I:Matrl & Struct (5)	
MUS 1103 Musicianship I:Matrl & Struct (5)	
MUS 2101 Musicianship II:Matrl & Struct (4)	12
MUS 2102 Musicianship II:Matrl & Struct (4)	
MUS 2103 Musicianship II:Matrl & Struct (4)	
MUS 2601 Survey of Music Literature I (3)	9
MUS 2602 Survey of Music Literature II (3)	
MUS 2603 Survey of Music Literature III (3)	
SECTION CREDITS REQUIRED	36
Additional Requirements: Music Education Core	
Course	Credits
MUS 2550 Foundations of Music Education	3
MUS 3502 Music in Special Education	3
MUS 3503 Gen Music Methods & Materials	3

MUS 3608 Music Technology Applications	5
MUS 4655 Context Studies in Music II	3
SECTION CREDITS REQUIRED	17
School of Education Requirements	
Course	Credits
PSY 1180 Gen Psych:Individual in Growth (5)	5
SOC 1110 Introduction to Sociology (5)	
EDU 2104 Introduction to Education	2
EDU 3105 Laboratory Experience:Elemntry (2)	2
EDU 3106 Laboratory Experience:Secondry (2)	
EDU 3200 Elem Gen Meth I:Classrm Mangmt (2)	2
EDU 3250 Sec Gen Mth I:Plan & Cls Mngmt (2)	
EDU 3942 September Experience	1
EDU 4530 Topics in Secondary Education	3
EDU 4800 Teacher as Person	2
EDU 4943 Elementary Internship:Music	15
EDU 4945 Secondary Internship A	15
SECTION CREDITS REQUIRED	47
Music Education: Combined Choral/Instrumental Option	
Course	Credits
MUS 1260 Beginning Voice Class	2
MUS 2501 Brass Techniques (1)	4
MUS 2502 Percussion Techniques (1)	
MUS 2503 String Techniques (1)	
MUS 2504 Woodwind Techniques (1)	
MUS 3504 Choral Mus Methods & Matrials (2)	4
MUS 3505 Instrmntl Mus Meths & Matrials (2)	
MUS 3603 Choral Literature (2)	4
MUS 3604 Instrumental Literature (2)	
MUS 4101 Instrumntation & Orchestration (3)	2
MUS 4102 Choral Arranging (2)	
MUS 4701 Choral Conducting (3)	6
MUS 4702 Instrumental Conducting (3)	
MUS 4262 Vocal Pedagogy & Techniques	2
SECTION CREDITS REQUIRED	24
Ensemble	6
Individual Instruction in a Major Performance Area	9
TOTAL CREDITS REQUIRED	144

Additional Requirements:

Piano Proficiency- 0-3 credits

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

MUSIC EDUCATION: INSTRUMENTAL OPTION

137 Credits Total, Including 23 Upper Division

Suggested Course Sequence

General Music Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5)	15
MUS 1102 Musicianship I:Matrl & Struct (5)	
MUS 1103 Musicianship I:Matrl & Struct (5)	
MUS 2101 Musicianship II:Matrl & Struct (4)	12
MUS 2102 Musicianship II:Matrl & Struct (4)	
MUS 2103 Musicianship II:Matrl & Struct (4)	
MUS 2601 Survey of Music Literature I (3)	9
MUS 2602 Survey of Music Literature II (3)	
MUS 2603 Survey of Music Literature III (3)	
SECTION CREDITS REQUIRED	36
Additional Requirements: Music Education Core	
Course	Credits
MUS 2550 Foundations of Music Education	3
MUS 3502 Music in Special Education	3
MUS 3503 Gen Music Methods & Materials	3
MUS 3608 Music Technology Applications	5
MUS 4655 Context Studies in Music II	3
SECTION CREDITS REQUIRED	17
School of Education Requirements	
Course	Credits
PSY 1180 Gen Psych:Individual in Growth (5)	5
SOC 1110 Introduction to Sociology (5)	
EDU 2104 Introduction to Education	2
EDU 3105 Laboratory Experience:Elemntry (2)	2
EDU 3106 Laboratory Experience:Secndry (2)	
EDU 3200 Elem Gen Meth I:Classrm Mangmt (2)	2
EDU 3250 Sec Gen Mth I:Plan & Cls Mngmt (2)	
EDU 3942 September Experience	1
EDU 4530 Topics in Secondary Education	3
EDU 4800 Teacher as Person	2
EDU 4943 Elementary Internship:Music	15
EDU 4945 Secondary Internship A	15
SECTION CREDITS REQUIRED	47

Music Education: Instrumental Option	
Course	Credits
MUS 1260 Beginning Voice Class (2)	4
MUS 3504 Choral Mus Methods & Matrials (2)	
MUS 2501 Brass Techniques (1)	4
MUS 2502 Percussion Techniques (1)	
MUS 2503 String Techniques (1)	
MUS 2504 Woodwind Techniques (1)	
MUS 3505 Instrmntl Mus Meths & Matrials	2
MUS 3604 Instrumental Literature	2
MUS 4101 Instrumntation & Orchestration	3
MUS 4702 Instrumental Conducting	3
SECTION CREDITS REQUIRED	18
Ensemble	6
Individual Instruction in a Major Performance Area	9
TOTAL CREDITS REQUIRED	137

Additional Requirements:	
Piano Proficiency- 0-3 credits	
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.	

MUSIC MAJOR: GENERAL

73 Credits Total, Including 23 Upper Division

Suggested Course Sequence

General Requirements for All Music Majors	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5)	15
MUS 1102 Musicianship I:Matrl & Struct (5)	
MUS 1103 Musicianship I:Matrl & Struct (5)	
MUS 2101 Musicianship II:Matrl & Struct (4)	12
MUS 2102 Musicianship II:Matrl & Struct (4)	
MUS 2103 Musicianship II:Matrl & Struct (4)	
MUS 2601 Survey of Music Literature I (3)	9
MUS 2602 Survey of Music Literature II (3)	
MUS 2603 Survey of Music Literature III (3)	
SECTION CREDITS REQUIRED	36
Ensemble	6
Individual Instruction in a Major Performance Area	9
Upper Division Music Electives: Must include MUS 4899	25
TOTAL CREDITS REQUIRED	73

Additional Requirements:

Piano Proficiency- 0-3 Credits

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

MUSIC MAJOR: MUSIC TECHNOLOGY

80 Credits Total, Including 23 Upper Division

Suggested Course Sequence

General Requirements for All Music Majors	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5)	15
MUS 1102 Musicianship I:Matrl & Struct (5)	
MUS 1103 Musicianship I:Matrl & Struct (5)	
MUS 2101 Musicianship II:Matrl & Struct (4)	12
MUS 2102 Musicianship II:Matrl & Struct (4)	
MUS 2103 Musicianship II:Matrl & Struct (4)	
MUS 2601 Survey of Music Literature I (3)	9
MUS 2602 Survey of Music Literature II (3)	
MUS 2603 Survey of Music Literature III (3)	
SECTION CREDITS REQUIRED	36

Context Studies in Music: Select from the following	
Course	Credits
MUS 4654 Context Studies in Music I(3)	6
MUS 4655 Context Studies in Music II(3)	
MUS 4656 Context Studies in Music III(3)	
SECTION CREDITS REQUIRED	6
Additional Context Studies in Music	
Course	Credits
MUS 4899 Mus,Musician & Religous Exprnc	3
SECTION CREDITS REQUIRED	3
Music Technology	
Course	Credits
MUS 3608 Music Technology Applications	5
MUS 3609 Advanced Music Technology	10
MUS 4943 Music Internship	5
MUS 4960 Special Projects in Music	3
SECTION CREDITS REQUIRED	23
Individual Instruction in a Major Performance Area	6
Ensemble	6
TOTAL CREDITS REQUIRED	80

Additional Requirements:
Piano Proficiency- 0-3 Credits
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

MUSIC PERFORMANCE: PERCUSSION, STRING, WIND PERFORMANCE

72 Credits Total, Including 23 Upper Division

[Suggested Course Sequence](#)

General Music Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct(5)	15
MUS 1102 Musicianship I:Matrl & Struct(5)	
MUS 1103 Musicianship I:Matrl & Struct(5)	
MUS 2101 Musicianship II:Matrl & Struct(4)	12
MUS 2102 Musicianship II:Matrl & Struct(4)	
MUS 2103 Musicianship II:Matrl & Struct(4)	
MUS 2601 Survey of Music Literature I(3)	9
MUS 2602 Survey of Music Literature II(3)	
MUS 2603 Survey of Music Literature III(3)	
SECTION CREDITS REQUIRED	36

Context Studies in Music: Select from the following	
Course	Credits
MUS 4654 Context Studies in Music I (3)	6
MUS 4655 Context Studies in Music II (3)	
MUS 4656 Context Studies in Music III (3)	
SECTION CREDITS REQUIRED	6
Additional Context Studies in Music	
Course	Credits
MUS 4899 Mus.Musician & Religous Exprnc	3
SECTION CREDITS REQUIRED	3
Ensemble	6
Individual Instruction in a Major Performance Area	9
Additional Individual Instruction: 10 Upper Division	12
TOTAL CREDITS REQUIRED	72

Additional Requirements:
Piano Proficiency- 0-3 credits
Recitals: 1/2 hour junior solo; 1 hour senior solo recital
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

MUSIC PERFORMANCE: PIANO PERFORMANCE/ PEDAGOGY OPTION

72 Credits Total, Including 23 Upper Division

[Suggested Course Sequence](#)

General Music Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5)	15
MUS 1102 Musicianship I:Matrl & Struct (5)	
MUS 1103 Musicianship I:Matrl & Struct (5)	
MUS 2101 Musicianship II:Matrl & Struct (4)	12
MUS 2102 Musicianship II:Matrl & Struct (4)	
MUS 2103 Musicianship II:Matrl & Struct (4)	
MUS 2601 Survey of Music Literature I (3)	9
MUS 2602 Survey of Music Literature II (3)	
MUS 2603 Survey of Music Literature III (3)	
SECTION CREDITS REQUIRED	36
Piano Pedagogy	
Course	Credits
MUS 3601 Survey of Piano Literature (3)	3
MUS 4656 Context Studies in Music III (3)	
MUS 3506 Piano Pedagogy	3
SECTION CREDITS REQUIRED	6

Context Studies in Music: Select from the following	
Course	Credits
MUS 4654 Context Studies in Music I (3)	3
MUS 4655 Context Studies in Music II (3)	
MUS 4656 Context Studies in Music III (3)	
MUS 4899 Mus.Musician & Religious Exprnc	3
SECTION CREDITS REQUIRED	6
Ensemble	6
Individual Instruction in a Major Performance Area	9
Additional Individual Instruction: 10 Upper Division	12
TOTAL CREDITS REQUIRED	72

Additional Requirements:

Piano Proficiency- 0-3 Credits.

Required to do one hour of studio accompanying per week.

Recitals: 1/2 hour junior solo; 1 hour senior solo recital.

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

MUSIC PERFORMANCE: VOCAL PERFORMANCE OPTION

77 Credits Total, Including 23 Upper Division

[Suggested Course Sequence](#)

General Music Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5)	15
MUS 1102 Musicianship I:Matrl & Struct (5)	
MUS 1103 Musicianship I:Matrl & Struct (5)	
MUS 2101 Musicianship II:Matrl & Struct (4)	12
MUS 2102 Musicianship II:Matrl & Struct (4)	
MUS 2103 Musicianship II:Matrl & Struct (4)	
MUS 2601 Survey of Music Literature I (3)	9
MUS 2602 Survey of Music Literature II (3)	
MUS 2603 Survey of Music Literature III (3)	
SECTION CREDITS REQUIRED	36
Context Studies in Music: Select from the following	
Course	Credits
MUS 4654 Context Studies in Music I (3)	3
MUS 4655 Context Studies in Music II (3)	
MUS 4656 Context Studies in Music III (3)	
MUS 4899 Mus.Musician & Religious Exprnc	3
SECTION CREDITS REQUIRED	6

Vocal Performance Option	
Course	Credits
MUS 2260 The Singer's Art I (3) MUS 2261 The Singer's Art II (3)	6
MUS 4261 Sacred Vocal Repertoire	3
MUS 4262 Vocal Pedagogy & Techniques	2
SECTION CREDITS REQUIRED	11
Ensemble	6
Individual Instruction in a Major Performance Area	9
Additional Individual Instruction	12
TOTAL CREDITS REQUIRED	77

Additional Requirements:
Piano Proficiency- 0-3 Credits Recitals: 1/2 hour junior solo; 1 hour senior solo recital For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

MUSIC THEORY & LITERATURE
72 Credits Total, Including 23 Upper Division

[Suggested Course Sequence](#)

General Music Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5) MUS 1102 Musicianship I:Matrl & Struct (5) MUS 1103 Musicianship I:Matrl & Struct (5)	15
MUS 2101 Musicianship II:Matrl & Struct (4) MUS 2102 Musicianship II:Matrl & Struct (4) MUS 2103 Musicianship II:Matrl & Struct (4)	12
MUS 2601 Survey of Music Literature I (3) MUS 2602 Survey of Music Literature II (3) MUS 2603 Survey of Music Literature III (3)	9
SECTION CREDITS REQUIRED	36
Context Studies in Music Theory and Literature	
Course	Credits
MUS 4654 Context Studies in Music I (3) MUS 4655 Context Studies in Music II (3) MUS 4656 Context Studies in Music III (3)	9
MUS 4899 Mus,Musician & Religous Exprnc	3
SECTION CREDITS REQUIRED	12

Music Theory and Literature Option	
Course	Credits
MUS 4921 Directed Readings in Music His	6
SECTION CREDITS REQUIRED	6
Ensemble	6
Individual Instruction in a Major Performance Area	9
Additional Individual Instruction	3
TOTAL CREDITS REQUIRED	72

Additional Requirements:
Piano Proficiency- 0-3 Credits
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

MUSIC THEORY AND LITERATURE: COMPOSITION OPTION

77 Credits Total, Including 23 Upper Division

[Suggested Course Sequence](#)

General Music Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct (5)	15
MUS 1102 Musicianship I:Matrl & Struct (5)	
MUS 1103 Musicianship I:Matrl & Struct (5)	
MUS 2101 Musicianship II:Matrl & Struct (4)	12
MUS 2102 Musicianship II:Matrl & Struct (4)	
MUS 2103 Musicianship II:Matrl & Struct (4)	
MUS 2601 Survey of Music Literature I (3)	9
MUS 2602 Survey of Music Literature II (3)	
MUS 2603 Survey of Music Literature III (3)	
SECTION CREDITS REQUIRED	36
Context Studies in Music Theory and Literature	
Course	Credits
MUS 4654 Context Studies in Music I (3)	9
MUS 4655 Context Studies in Music II (3)	
MUS 4656 Context Studies in Music III (3)	
MUS 4899 Mus.Musician & Reliqous Exprnc	3
SECTION CREDITS REQUIRED	12

Composition Option	
Course	Credits
MUS 3608 Music Technology Applications	5
MUS 4100 Composition	9
SECTION CREDITS REQUIRED	14
Ensemble	6
Individual Instruction in a Major Performance Area	9
Additional Individual Instruction	3
TOTAL CREDITS REQUIRED	77

Additional Requirements:
Piano Proficiency- 0-3 Credits.
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

MUSIC MINOR

45 Credits Total, Including 15 Upper Division

Music Minor Core Requirements	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct	5
MUS 1102 Musicianship I:Matrl & Struct	5
MUS 1103 Musicianship I:Matrl & Struct	5
MUS 2601 Survey of Music Literature I	3
MUS 2602 Survey of Music Literature II	3
MUS 2603 Survey of Music Literature III	3
SECTION CREDITS REQUIRED	24
Music Minor Context Studies	
Course	Credits
MUS 4654 Context Studies in Music I(3)	3
MUS 4655 Context Studies in Music II(3)	
MUS 4656 Context Studies in Music III(3)	
MUS 4899 Mus.Musician & Reliqous Exprnc(3)	
SECTION CREDITS REQUIRED	3
Ensemble Participation	3
Individual Instruction	3
Music Electives to Complete 45 Credits	12
TOTAL CREDITS REQUIRED	45

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

MUSIC COURSE DESCRIPTIONS

EDU 2104 Introduction to Education (2) Offerings
An introduction to the profession of teaching is provided with a special emphasis on requirements of the State of Washington and the Seattle Pacific University teacher education program. The course will cover: history of the educational reform effort in Washington, Residency certification competencies, endorsement competencies, and the various tests required to become a teacher. Portfolio requirements for the program as well as lesson and unit planning will also be introduced.
<u>Co-Requisite:</u> EDU 2200, EDU 2300 <u>Restrictions:</u> Freshman students are excluded.
EDU 3105 Laboratory Experience:Elementry (2) Offerings
Prerequisite: EDU 2104. Provides opportunity for the student to be placed in a school with diverse populations. Integration of learning and experience will be gained through observing and working with students in various classroom settings.
<u>Attributes:</u> Upper-Division <u>Co-Requisite:</u> EDMA 3000, EDRD 3200, EDSC 3200, EDU 3200 <u>Restrictions:</u> Freshman, Sophomore students are excluded.
EDU 3106 Laboratory Experience:Secondary (2) Offerings
Prerequisite: EDU 2104. Provides opportunity for the student to be placed in a school with diverse populations. Integration of learning and experience will be gained through observing and working with students in various classroom settings.
<u>Attributes:</u> Upper-Division <u>Co-Requisite:</u> EDRD 4530, EDU 3250 <u>Restrictions:</u> Freshman, Sophomore students are excluded.
EDU 3200 Elem Gen Meth I:Classrm Mangmt (2) Offerings
Prerequisites: EDU 2104, 2200 and 2300. Applies instructional theory to classroom management presenting general factors that affect learning in the elementary classroom. Management of the physical, behavioral and emotional environment will be primary, with additional focus on assessment and communication with parents.
<u>Attributes:</u> Upper-Division <u>Co-Requisite:</u> EDMA 3000, EDRD 3200, EDSC 3200, EDU 3105
EDU 3250 Sec Gen Mth I:Plan & CIs Mngmt (2) Offerings
Prerequisites: EDU 2104, 2200 and 2300. Emphasizes research and experienced based principles of effective practice for encouraging the intellectual social and personal development of secondary students. This will be carried out through exercises in planning and managing instruction based on knowledge of community/school contexts and curriculum standards.
<u>Attributes:</u> Upper-Division <u>Co-Requisite:</u> EDRD 4530, EDU 3106
EDU 3942 September Experience (1) Offerings
Prerequisite: EDU 2104. This course requires two weeks of observation and assistance at the opening of a school year in a program that reflects the level and subject matter preferred by the preservice teacher. It will include any faculty meetings, preparation days and inservice workshops that take place prior to the students' arrival at school. The intern will then remain through the beginning of the school year.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
EDU 4530 Topics in Secondary Education (3) Offerings
Explores major topics related to instruction in the secondary classroom, including student assessment, reading and study skills, and child abuse.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
EDU 4800 Teacher as Person (2) Offerings
This course will focus on professional and spiritual aspects of teaching school law, governance and finance. Seminar and case-study format will be used. Final portfolio checkout and job search information will also be included. Concurrent enrollment is required with the final quarter of internship.
<u>Attributes:</u> Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman, Junior, Sophomore students are excluded.
EDU 4943 Elementary Internship:Music (15) Offerings
Provides opportunity for observation and daily teaching of music in the elementary school under the

direction of a cooperating teacher. Extra fee. May be repeated for credit up to 18 credits. <u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Junior, Sophomore students are excluded.</i>
EDU 4945 Secondary Internship A (15) Offerings Provides opportunity for observation and daily teaching in public or approved private schools under the direction of a master teacher. Extra fee. May be repeated for credit up to 18 credits. <u>Attributes:</u> <i>Upper-Division</i> <u>Co-Requisite:</u> <i>EDU 4250</i> <u>Restrictions:</u> <i>Freshman, Junior, Sophomore students are excluded.</i>
MUS 1000 CCM:Inside the Music Industry (4) Offerings Through readings, lectures, and seminars delivered by leading industry figures, the course will give up-to-the-minute insight into the inner workings of the music industry. Emphasis will be given to career possibilities, and the gifts and skills required to succeed in each of the major areas, including work as a performer.
MUS 1028 Chamber Music Workshop (2-3) Offerings Concentrated studies on the performance practice and historic background of instrumental chamber music for strings, winds instruments, and piano. Participants will develop playing and rehearsal skills by rehearsing and performing chamber music repertoire in master classes, recitals, and evening concerts. The course is designed for advanced high school and university instrumental players. Offered Summer Quarter only. May be repeated for credit up to 6 credits.
MUS 1101 Musicianship I:Matrl & Struct (5) Offerings Presents basic musical skills of listening, analysis, improvisation, conducting, writing, performance, historical understanding of music, and music fundamentals. Students will participate in lecture and laboratory settings, including computer-assisted instruction. Must begin in Autumn Quarter. Students with sufficient music theory training may request challenge examination for this course prior to Autumn Quarter. Extra fee.
MUS 1102 Musicianship I:Matrl & Struct (5) Offerings Prerequisite: MUS 1101. Presents basic musical skills of listening, theory and analysis, writing, improvisation, conducting, performance and historical understanding of music. Students will participate in lecture and laboratory settings, including computer-assisted instruction. Students with sufficient music-theory training may fulfill prerequisite by examination. Request challenge examination prior to Autumn Quarter. Extra fee.
MUS 1103 Musicianship I:Matrl & Struct (5) Offerings Prerequisites: MUS 1102. Presents basic musical skills of listening, theory and analysis, improvisation, conducting, writing, performance and historical understanding of music. Students will participate in lecture and laboratory settings, including computer-assisted instruction. Students with sufficient music theory training may fulfill prerequisite by examination. Request challenge examination prior to Winter Quarter. Extra fee.
MUS 1250 Begin Keyboard CIs(Non-Majors) (2) Offerings For students with no previous keyboard experience. Ability to read music is not necessary. Course is designed for the non-music major, and expectations for each student are based on individual needs. Emphasis is on note-reading, basic theory, chord usage, and technical development. Extra fee. May be repeated for an unlimited number of credits. <u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Music Majors are excluded.</i>
MUS 1251 Intrmed Keybrd CIs(Non-Majors) (2) Offerings For students with prior training in piano. Course is designed for the non-music major, and expectations for each student are based on individual needs. Emphasis is on note-reading, basic theory, chord usage, repertoire, technical development, and creative activities. Extra fee. May be repeated for an unlimited

number of credits.
Attributes: <i>Arts and Humanities A</i> Restrictions: <i>Music Majors are excluded.</i>
MUS 1254 Begin Keybrd Profic(Music Maj) (2) Offerings
For music majors with minimal previous keyboard experience. Sight-reading, harmonization, transposing, and technical development will be emphasized in order to meet piano proficiency requirements. Restricted to music majors or intended majors only. Extra fee. May be repeated for an unlimited number of credits.
Restrictions: <i>Music Majors only.</i>
MUS 1255 Intrmd Keybr Profic(Music Maj) (2) Offerings
For music majors with prior training in piano. Sight-reading, harmonization, transposing, technical development, and creative activities will be emphasized in order to meet piano proficiency requirements. Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Arts and Humanities A</i> Restrictions: <i>Music Majors only.</i>
MUS 1260 Beginning Voice Class (2) Offerings
Two class sessions per week. Emphasis is on basic vocal technique: breath control, tone placement, diction, and stage presence. Music includes classical, folk, and American music. Extra Fee. May be repeated for an unlimited number of credits.
Attributes: <i>Arts and Humanities A</i>
MUS 1270 Beginning Folk Guitar (1) Offerings
Introduction to folk-style guitar playing. May be taken by music education majors to meet guitar proficiency. May be repeated an unlimited number of times.
Attributes: <i>Arts and Humanities A</i>
MUS 1271 Intermediate Folk Guitar (1) Offerings
Prerequisite: MUS 1270. May be repeated for credit 3 times.
Attributes: <i>Arts and Humanities A</i>
MUS 1600 Exploring & Understanding Mus (5) Offerings
The focus is on the pleasure of listening with understanding, using individual, classroom, and concert experiences. Introduces basic elements of music as preparation for enjoying masterworks in the European tradition, from medieval times to our own time. Encourages development of listening skills and knowledge of music available in our city.
Attributes: <i>Arts and Humanities A</i> Restrictions: <i>Music Majors are excluded.</i>
MUS 2101 Musicianship II:Matrl & Struct (4) Offerings
Prerequisite: MUS 1103. Continued integrated study of musical elements as in Musicianship I emphasizing 16th- and 18th-century counterpoint. Develops skills of composition, aural dictation, improvisation, sight-singing, use of technology and analysis. Emphasizes developing understanding of and compositional experience with contrapuntal procedures. Extra fee. May be taken out of sequence to accommodate student teaching.
Co-Requisite: <i>MUS 2601</i>
MUS 2102 Musicianship II:Matrl & Struct (4) Offerings
Prerequisite: MUS 1103. Continued integrated study of musical elements as in Musicianship I emphasizing chromatic harmony and modulation. Develops skills of composition, aural dictation, improvisation, use of technology and analysis. Emphasis is on developing understanding of and compositional experience with larger musical forms. Extra fee.
Co-Requisite: <i>MUS 2602</i>
MUS 2103 Musicianship II:Matrl & Struct (4) Offerings
Prerequisite: MUS 2102. Continued integrated study of musical elements as in Musicianship I emphasizing late 19th and 20th-century techniques. Analytical studies include introductions to Schenkerian theory and to basic atonal theory. Develops skills of composition, aural dictation, improvisation, sight-singing, use of technology and analysis. Emphasis is on developing understanding of and compositional experience with larger musical forms. Extra fee.
Co-Requisite: <i>MUS 2603</i>

MUS 2201 Individual Instruction-Flute (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2202 Individual Instruction-Oboe (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2203 Individual Instructn-Clarinet (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2204 Individual Instructn-Bassoon (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2205 Individual Instuctn-Trumpet (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2206 Individual Instruction-Horn (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2207 Individual Instructn-Trombone (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2208 Individual Instructn-Baritone (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2209 Individual Instruction-Tuba (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2210 Individual Instr-Percussion (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2211 Individual Instruction-Violin (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2212 Individual Instruction-Viola (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2213 Individual Instr-Violoncello (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2214 Individual Instr-Double Bass (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2215 Individual Instruction-Harp (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.

MUS 2216 Individual Instruction-Organ (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2217 Individual Instruction-Piano (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2218 Individual Instr-Harpsichord (1-2) Offerings
(Extra fee) May be repeated for an unlimited number of credits.
MUS 2219 Individual Instruction-Voice (1-2) Offerings
Prerequisite: MUS 1260. Majors and scholarship recipients may be exempt from the prerequisites. MUS 2260 and MUS 2261 are required for vocal instruction beyond 6 credits. Extra fee. May be repeated for credit up to 99 credits.
MUS 2220 Indiv Instr-Classical Guitar (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2221 Individual Instruct-Saxophone (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2223 Individual Instr-Jazz Guitar (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2224 Individual Instr-Jazz Piano (1-2) Offerings
Extra fee. May be repeated an unlimited number of times.
MUS 2225 Individual Instr-Harpsichord (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
MUS 2260 The Singer's Art I (3) Offerings
Prerequisite: 3 credits of MUS 1260 or 3 credits of MUS 2219. A study and application of the principles of artistic performance, with special emphasis on English, Latin, and Italian diction and repertoire. Basic international phonetic alphabet will be learned. Prerequisite to upper-division credit in voice.
MUS 2261 The Singer's Art II (3) Offerings
Prerequisite: MUS 2260. The study and performance of the German and French vocal repertoire of the 19th and 20th centuries. Special attention will be given to diction, style, and interpretation. Prerequisite to upper-division in voice.

MUS 2301 Choral Society: Gospel Choir (1) Offerings
A choral ensemble specializing in the preparation, study, and performance of Gospel music. May be repeated for credit up to 12 credits.
MUS 2303 Seattle Pacific Singers (1) Offerings
Selected scholarship performing group that represents the University in various public relations endeavors. May be repeated an unlimited number of times.
<u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2304 Chamber Singers (1) Offerings
Small choral ensemble selected from Concert Choir members. Perform literature appropriate for chamber ensemble. May be repeated an unlimited number of times.
<u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2305 Women's Choir (2) Offerings
A choral ensemble of women. Participates in major choral concerts throughout the year. Occasional performances for chapels, at the annual service of Lessons and Carols, and at selected churches and community organizations as an outreach of the University. Ensemble may tour during school year, including Spring Break. May be repeated an unlimited number of times.
<u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2306 Brass Ensemble (1) Offerings
Brass Ensemble May be repeated an unlimited number of times.
<u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2307 Percussion Ensemble (1-2) Offerings
Percussion Ensemble May be repeated an unlimited number of times.
<u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2308 Woodwind Ensemble (Flute) (1) Offerings
A flute ensemble. Performances throughout the year on campus and off campus as an outreach of the University. May be repeated an unlimited number of times.
<u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2309 String Ensemble (1) Offerings
String Ensemble May be repeated an unlimited number of times.
<u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2310 Keyboard Ensemble/Accompanying (1) Offerings
Emphasis on piano duet and two-piano literature, as well as accompanying skills. May be repeated an unlimited number of times.
<u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2311 Jazz Ensemble (2) Offerings
An organization that specializes in the preparation, study, and performance of music from the jazz literature. May be repeated an unlimited number of times.
<u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>
MUS 2312 Men's Choir (2) Offerings
The audition is for the purpose of placing individuals in the appropriate section of the choir. A choral ensemble of men. Participates in major choral concerts throughout the year. Occasional performances for chapels, at the annual service of Lessons and Carols, and at selected churches and community organizations as an outreach of the University. May be repeated for an unlimited number of credits.
<u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Freshman, Sophomore students only.</i>

MUS 2313 Vocal Jazz Ensemble (2) Offerings
An organization of vocalists specializing in the preparation, study, and performance of music from the jazz literature. May be repeated for an unlimited number of credits.
<u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Junior, Senior students are excluded.
MUS 2340 Chamber Ensemble (1) Offerings
Includes chamber music experience of various types-woodwind, brass, string, Javanese gamelan, percussion, and mixed. May be repeated for an unlimited number of credits.
<u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Junior, Senior students are excluded.
MUS 2350 Concert Choir (2) Offerings
A choral ensemble of men and women, Concert Choir performs several major concerts during each academic year and tours each spring. May be repeated for an unlimited number of credits.
<u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Freshman, Sophomore students only.
MUS 2351 Symphonic Wind Ensemble (2) Offerings
As a group of selected wind and percussion players, this ensemble provides an opportunity for in-depth experience in the performance of wind ensemble and band repertoire. May be repeated an unlimited number of times.
<u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Freshman, Sophomore students only.
MUS 2353 Symphony Orchestra (2) Offerings
An ensemble of strings with selected woodwinds, brass, and percussion instruments, performing works from the extensive orchestral literature. May be repeated an unlimited number of times.
<u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Freshman, Sophomore students only.
MUS 2360 Opera Workshop (1-2) Offerings
Practical experience in preparation and performance of scenes from opera repertoire. May be repeated for an unlimited number of credits.
<u>Restrictions:</u> Freshman, Sophomore students only.
MUS 2402 History & Appreciation of Jazz (5) Offerings
This course surveys the major periods in jazz history, from its roots in New Orleans to the present, with a special section on Seattle jazz. It also emphasizes the common elements throughout that history-blues, improvisation, the group negotiation of individual agendas, and the spiritual context of the jazz solo.
<u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Freshman, Sophomore students only.
MUS 2501 Brass Techniques (1) Offerings
Designed for music education majors. Students learn how to teach the various brass instruments. Emphasis on demonstration of good tone and diagnosis of student problems in a lab setting.
<u>Restrictions:</u> Freshman students are excluded.
MUS 2502 Percussion Techniques (1) Offerings
Designed for music education majors. Students learn how to teach the percussion instruments.
MUS 2503 String Techniques (1) Offerings
May be taken for two quarters. Designed for music education majors. Students learn how to teach string instruments. May be repeated for credit 1 time.
<u>Restrictions:</u> Music Majors only.
MUS 2504 Woodwind Techniques (1) Offerings
Designed for music education majors. Students learn how to teach the woodwind instruments. Emphasis on demonstration of good tone and diagnosis of student problems in a lab setting.
MUS 2550 Foundations of Music Education (3) Offerings

Explores social, historical and philosophical foundations of American music education. Focuses on teaching curricula from ancient times to the present. Provides opportunities to apply course content through service learning and field-related experiences. Part of Professional education core classes for music majors.

Restrictions: *Music, Music-Int Majors only.*

MUS 2601 Survey of Music Literature I (3) Offerings
A chronological study of the development of Western art music from the early medieval period through the baroque era.
MUS 2602 Survey of Music Literature II (3) Offerings
A chronological study of the development of Western art music in the pre-Classical period and the Romantic period through Richard Wagner.
MUS 2603 Survey of Music Literature III (3) Offerings
A chronological study of the development of Western Art music from the late Romantic period to the present.
MUS 2604 Soundscape (5) Offerings
This course explores a wide range of music including vernacular and art music of Western and non-Western cultures. Students gain skills in listening to music from diverse cultures, develop understanding of the influence of cultural and historical context of those types of music, and learn how those traditions can be experienced today in the city of Seattle.
<u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Music Majors are excluded.
MUS 2605 Survey of Popular Music (5) Offerings
A survey of popular song in America, its development, variety, and influences on American culture. Emphasis is on listening, style analysis, and the elements of music.
<u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Music Majors are excluded.
MUS 2654 World Music (3) Offerings
This course explores the significance of music in different societies. Emphasis is on the music of the Pacific Rim, but may include sub-Saharan Africa, Latin America, Eastern Europe, or the Middle East.
<u>Attributes:</u> Arts and Humanities A <u>Co-Requisite:</u> MUS 2655
MUS 2655 World Music Lab (2) Offerings
Provides practical, hands-on experience in performing on instruments used in music from the Pacific Rim, sub-Saharan Africa, Latin America, Eastern Europe, and the Middle East.
<u>Attributes:</u> Arts and Humanities A <u>Co-Requisite:</u> MUS 2654
MUS 3000 CCM:Studio Recording (5) Offerings
Artists, via both the classroom and lab, will work with faculty, other students, and visiting experts to learn how to produce, record, mix, and edit recordings in a professional multi-track studio. Part of artist track.
<u>Attributes:</u> Upper-Division
MUS 3001 CCM:Essentials of Songwriting (5) Offerings
Artists will receive classroom instruction, participate in directed study with staff, and work in collaboration with other students to develop their use of form, melody, harmony, rhythm, and lyric. Part of the artist track.
<u>Attributes:</u> Upper-Division
MUS 3002 CCM:Performance (4) Offerings
In consultation with staff and executive track students, artists will develop a live concert presentation that best utilizes their gifts as musicians, entertainers, and communicators. Part of the artist track.
<u>Attributes:</u> Upper-Division
MUS 3003 CCM:Artists and Repertoire (5) Offerings
Executives will learn how to create a label business plan; analyze and forecast trends in popular music; assemble a successful artist roster; and, in tandem with artists, they will plan, budget, and produce recording sessions. Part of executive track.
<u>Attributes:</u> Upper-Division

<p>MUS 3309 Music Technology Applications (1-3) Offerings</p> <p>Demonstrates how to enter notes into a computer through a MIDI keyboard, edit the resulting notation using Finale software, and print the results on a laser printer. Offered Summer Quarter only. May be repeated for credit up to 6 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Graduate are excluded.</i></p>
<p>MUS 3401 Music & Worship (2) Offerings</p> <p>A study of the philosophical, biblical, and theological relationships of music to worship in the Christian Church.</p> <p><u>Attributes:</u> <i>Arts and Humanities A, Upper-Division</i></p>
<p>MUS 3500 Fundamentals Music for Future Teachers (2) Offerings</p> <p>This course covers basic music theory including rhythmic sight-reading, interpretation of pitch notation, and basic chording. Students who have had basic theory may test out of this class. Designed for future classroom teachers. May be taken towards General Education Fine Arts Options credit.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music Majors are excluded. Freshman students are excluded.</i></p>
<p>MUS 3501 Elementary Methods & Materials (3) Offerings</p> <p>This class covers basic approaches to teaching music in the elementary classroom for the regular classroom teacher. It focuses on music as a content area and music as it relates to arts in basic education. Elementary education certification students may take MUS 3501 toward General Education Arts and Humanities A credit.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music Majors are excluded. Freshman students are excluded.</i></p>
<p>MUS 3502 Music in Special Education (3) Offerings</p> <p>This course centers on methods and materials for dealing with music and related arts with children who have special needs. This course is designed for special education and music education majors. Elementary education certification students may take MUS 3502 toward Arts and Humanities A credit.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>MUS 3503 General Music Methods & Materials (3) Offerings</p> <p>Prerequisite: MUS 2550 or EDU 2103. A survey of methods for instruction in elementary classroom music and secondary general music programs. Includes exposure to current materials available for instruction in those settings and preparation of materials appropriate to age levels.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Fine & Applied Arts, Music Majors only. Freshman, Sophomore students are excluded.</i></p>
<p>MUS 3504 Choral Music Methods & Materials (2) Offerings</p> <p>Prerequisite: MUS 2550 or permission of instructor. A survey of the teaching methods, rehearsal techniques, and choral organization from the elementary school chorus through the adult choir. Emphasis is on development of diagnostic rehearsal skills through special class projects and survival skills for the beginning choral director.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music Majors only. Freshman, Sophomore students are excluded.</i></p>
<p>MUS 3505 Instrumental Music Methods & Materials (2) Offerings</p> <p>Prerequisite: MUS 2550. A survey of the instrumental music program, grades 5-12. Emphasis is on examination of appropriate teaching materials, teaching methods for various program levels, program planning and development, and evaluation of learner progress. Experience in planning and presenting model learning experiences in instrumental music is provided.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music Majors only. Freshman, Sophomore students are excluded.</i></p>
<p>MUS 3506 Piano Pedagogy (3) Offerings</p> <p>Emphasis is upon developing a philosophy of music teaching at the primary to intermediate levels. Includes an examination of ideas and theories about learning and teaching, observation of teaching, the study of teaching strategies and literature, student teaching, and use of music technology. Includes supervised teaching. Offered alternate years.</p>

<u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i>
MUS 3602 Magic of Opera (5) Offerings
An in-depth study of selected masterpieces of standard operatic repertoire from an historical and aesthetic perspective. Ideas and themes of operas are related to social, moral, political, and religious issues confronting individuals in society. Attendance at live opera productions is a part of class activity. Offered alternate years.
<u>Attributes:</u> <i>Arts and Humanities A, Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 3603 Choral Literature (2) Offerings
Prerequisites: MUS 1101, 1102, 1103. A survey of choral music representing historical forms, eras, and styles. Emphasis is on literature appropriate for choirs in grades 5-12. Consideration given for balance in programming. Offered alternate years.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 3604 Instrumental Literature (2) Offerings
Prerequisites: MUS 1101, 1102, 1103. A survey of instrumental music appropriate for performance by groups in grades 5-12. Offered alternate years.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 3608 Music Technology Applications (5) Offerings
Prerequisite: Must have elementary piano playing skills, no computer skills necessary. Students will have daily hands-on experience at an individual workstation consisting of a MIDI keyboard and Macintosh computer. The main emphasis will be on basic through advanced applications of the music notation software Finale. Additional student lessons will include desktop publishing and the introduction of Web-site portfolio programs. This course meets the requirements and is in place of Professional Quarter One, Education Technology EDTC 2235 for music education majors only. Extra fee. May be repeated for credit 2 times.
<u>Attributes:</u> <i>Upper-Division</i>
MUS 3609 Advanced Music Technology (5) Offerings
Prerequisite: MUS 3608. Students will become proficient with the music technology of the Yamaha O2R Digital Recording Mixer, Digidesign Protools, ADAT 16-track Audio Recording, and the basic production of a musical CD. May be repeated for credit 3 times.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music, Music Education, Music Performance, Music Theory & Literature Majors only.</i>
MUS 4100 Composition (1-3) Offerings
Prerequisites: MUS 2103 or permission of instructor. Through basic skill-building exercises this course teaches musical composition in accordance with stated aesthetic values. Students move through levels of increasing complexity and self-initiation. May be repeated for credit up to 9 credits.
<u>Attributes:</u> <i>Upper-Division</i>
MUS 4101 Instrumentation & Orchestration (3) Offerings
Prerequisite: MUS 2103. A study of the history, technical limitations, and use of orchestral instruments. Practical experience in arranging for various combinations of instruments is provided. Offered alternate years.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 4102 Choral Arranging (2) Offerings
Prerequisites: MUS 1101, 1102, 1103. A study of the basics regarding the use of voices in choral music and methods of arranging music for them. Practical experience in arranging for various choral ensembles is provided. Offered alternate years.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 4201 Individual Instruction-Flute (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music Majors only. Freshman, Sophomore students are</i>

excluded.
MUS 4202 Individual Instruction-Oboe (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4203 Individual Instructn-Clarinet (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4204 Individual Instruction-Bassoon (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4205 Individual Instruction-Trumpet (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4206 Individual Instruction-Horn (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4207 Individual Instructn-Trombone (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4208 Individual Instructn-Baritone (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4209 Individual Instruction-Tuba (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4210 Individual Instr-Percussion (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4211 Individual Instruction-Violin (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4212 Individual Instruction-Viola (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4213 Individual Instr-Violoncello (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.

Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4214 Individual Instr-Double Bass (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4215 Individual Instruction-Harp (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4216 Individual Instruction-Organ (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4217 Individual Instruction-Piano (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4218 Individual Instr-Harpsichord (1-3) Offerings
(Extra fee) May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>College of Arts and Sciences only. Freshman, Sophomore students are excluded.</i>
MUS 4219 Individual Instruction-Voice (1-2) Offerings
Prerequisites: MUS 2260, 2261, or permission of instructor. Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4220 Indiv Instr-Classical Guitar (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4221 Individual Instruct-Saxophone (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4223 Individual Instr-Jazz Guitar (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music, Music Education, Music Performance Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4224 Individual Instr-Jazz Piano (1-2) Offerings
Extra fee. May be repeated an unlimited number of times.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4225 Individual Instr-Harpsichord (1-2) Offerings
Extra fee. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Music Majors only.</i>

MUS 4261 Sacred Vocal Repertoire (3) Offerings
Prerequisites: MUS 1260, 2219. A study of some of the great sacred solo vocal repertoire. Special attention will be given to solo cantata and oratorio literature, and appropriate performance practice.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4262 Vocal Pedagogy & Techniques (2) Offerings
Prerequisites: MUS 1260, 2219. This course is designed to explore and understand the nature of the singing voice and methods of vocal instruction.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4301 Choral Society: Gospel Choir (1) Offerings
A choral ensemble specializing in the preparation, study, and performance of Gospel music. May be repeated for credit up to 12 credits.
<u>Attributes:</u> Upper-Division
MUS 4303 Seattle Pacific Singers (1) Offerings
Selected scholarship performing group that represents the University in various public relations endeavors. May be repeated an unlimited number of times.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4304 Chamber Singers (1) Offerings
Small choral ensemble selected from Concert Choir members. Perform literature appropriate for chamber ensemble. May be repeated an unlimited number of times.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4305 Women's Choir (2) Offerings
A choral ensemble of women. Participates in major choral concerts throughout the year. Occasional performances for chapels, at the annual Lessons and Carols, and at selected churches and community organizations as an outreach of the University. Ensemble may tour during school year, including Spring Break. May be repeated for an unlimited number of credits.
<u>Attributes:</u> Arts and Humanities A, Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4306 Brass Ensemble (1) Offerings
Brass Ensemble May be repeated an unlimited number of times.
<u>Attributes:</u> Arts and Humanities A, Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4307 Percussion Ensemble (1-2) Offerings
Percussion Ensemble May be repeated an unlimited number of times.
<u>Attributes:</u> Arts and Humanities A, Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4308 Woodwind Ensemble (Flute) (1) Offerings
A flute ensemble. Performances throughout the year on campus and off campus as an outreach of the University. May be repeated an unlimited number of times.
<u>Attributes:</u> Arts and Humanities A, Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4309 String Ensemble (1) Offerings
String Ensemble May be repeated an unlimited number of times.
<u>Attributes:</u> Arts and Humanities A, Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MUS 4310 Keyboard Ensemble/Accompanying (1) Offerings
Emphasis on piano duet and two-piano literature, as well as accompanying skills. May be repeated an unlimited number of times.

Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4311 Jazz Ensemble (2) Offerings
An organization that specializes in the preparation, study, and performance of music from jazz literature. May be repeated an unlimited number of times.
Attributes: <i>Arts and Humanities A, Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4312 Men's Choir (2) Offerings
The audition is for the purpose of placing individuals in the appropriate section of the choir. A choral ensemble of men. Participates in major choral concerts throughout the year. Occasional performances for chapels, at the annual service of Lessons and Carols, and at selected churches and community organizations as an outreach of the University. May be repeated for an unlimited number of credits.
Attributes: <i>Arts and Humanities A, Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4313 Vocal Jazz Ensemble (2) Offerings
An organization of vocalists specializing in the preparation, study, and performance of music from the jazz literature. May be repeated for an unlimited number of credits.
Attributes: <i>Arts and Humanities A, Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4340 Chamber Ensemble (1) Offerings
Includes chamber music experience of various types-woodwind, brass, string, Javanese gamelan, percussion, and mixed. May be repeated for an unlimited number of credits.
Attributes: <i>Arts and Humanities A, Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4350 Concert Choir (2) Offerings
A choral ensemble of men and women, Concert Choir performs several major concerts during each academic year and tours each Spring. May be repeated for an unlimited number of credits.
Attributes: <i>Arts and Humanities A, Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4351 Symphonic Wind Ensemble (2) Offerings
As a group of selected wind and percussion players, this ensemble provides an opportunity for in-depth experience in the performance of wind ensemble and band repertoire. May be repeated for an unlimited number of credits.
Attributes: <i>Arts and Humanities A, Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4353 Symphony Orchestra (2) Offerings
An ensemble of strings with selected woodwinds, brass, and percussion instruments, performing works from the extensive orchestral literature. May be repeated for an unlimited number of credits.
Attributes: <i>Arts and Humanities A, Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4360 Opera Workshop (1-2) Offerings
Practical experience in preparation and performance of scenes from opera repertoire. May be repeated for an unlimited number of credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
MUS 4401 The Song of the Church (3) Offerings
A study of congregational singing including its history, its genre, its criticism, and its effective use in the worship service.
Attributes: <i>Arts and Humanities A, Upper-Division</i>
MUS 4402 History & Appreciation of Jazz (5) Offerings
This course surveys the major periods in jazz history, from its roots in New Orleans to the present, with a

special section on Seattle jazz. It also emphasizes the common elements throughout that history-blues, improvisation, the group negotiation of individual agendas, and the spiritual context of the jazz solo.

Attributes: *Arts and Humanities A, Upper-Division, Writing "W" Course* **Restrictions:** *Junior, Senior students only.*

MUS 4654 Context Studies in Music I (3) Offerings

Prerequisites: MUS 1101, 1102, 1103, 2601, 2602, and 2603. This course along with MUS 4655 and 4656 involves an integrative approach to advanced musicianship while dealing in-depth with selected topics. The process includes reading, writing, listening, analysis, composition, improvisation, and computer notation. Topics change yearly. Past topics have included Beethoven: Age of Revolution and Restoration; Passion Settings from Plainsong to Paert; From Taverner to Taverner: Music of the English Church; The Genius of Bach; African Music; World Music; The Symphonies of Gustav Mahler; The Magnificat; Chamber Music; The Operas of Mozart and Beethoven; 20th-Century American Composers and Their Music; the Cantata. May be repeated for credit 3 times.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Music Majors only. Freshman, Sophomore students are excluded.*

MUS 4655 Context Studies in Music II (3) Offerings

Prerequisites: MUS 1101, 1102, 1103, 2601, 2602, and 2603. This course along with MUS 4654 and 4656 involves an integrative approach to advanced musicianship while dealing in-depth with selected topics. The process includes reading, writing, listening, analysis, composition, improvisation, and computer notation. Topics change yearly. Past topics have included Beethoven: Age of Revolution and Restoration; Passion Settings from Plainsong to Paert; From Taverner to Taverner: Music of the English Church; The Genius of Bach; African Music; World Music; The Symphonies of Gustav Mahler; The Magnificat; Chamber Music; The Operas of Mozart and Beethoven; 20th-Century American Composers and Their Music; the Cantata. May be repeated for credit 3 times.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Music Majors only. Freshman, Sophomore students are excluded.*

MUS 4701 Choral Conducting (3) Offerings

Prerequisites: MUS 1101, 1102, 1103. A course designed to develop advanced choral conducting skill and techniques.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

MUS 4702 Instrumental Conducting (3) Offerings

Prerequisite: MUS 1101, 1102, 1103, or equivalent. A course designed to teach elementary score reading, baton techniques, instrumentation, and conducting with an instrumental emphasis. Offered alternate years.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

MUS 4899 Mus, Musician & Religious Exprnc (3) Offerings

Prerequisites: MUS 1101, 1102, 1103, 2601, 2602, and 2603. This capstone course, along with MUS 4654 and 4655, involves an integrative approach to advanced musicianship. The process includes reading, writing, listening, analysis, composition, improvisation, counterpoint, and computer notation. The in-depth study of great works such as Bach's "St. Matthew Passion," Beethoven's "Missa Solemnis," Brahms' "German Requiem," and Mahler's "Resurrection Symphony" provides the student the opportunity to reflect on the integration of his or her discipline and faith, larger liberal arts experience, and sense of vocation. Counts toward the context studies requirement.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Music Majors only. Freshman, Sophomore students are excluded.*

MUS 4900 Independent Study (1-5) Offerings

Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division*

MUS 4920 Directed Readings in Music Edu (1-5) Offerings

Independent study in music education. May be repeated for credit up to 9 credits.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

MUS 4921 Directed Readings in Music His (1-5) Offerings

Independent study in music history. May be repeated for credit up to 9 credits. <u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 4922 Dir Rdngs:Psychology of Music (1-5) Offerings Dir Rdngs:Psychology of Music <u>Attributes:</u> <i>Upper-Division</i>
MUS 4930 Practicum (1-5) Offerings Practicum
MUS 4935 CCM: Practicum (1) Offerings Each student will participate in an intensive weeklong practicum. Briefings, tours, and meetings will be arranged with leading record companies, artist management firms, booking agencies, recording studios, concert promoters, writers, producers, and artists. <u>Attributes:</u> <i>Upper-Division</i>
MUS 4941 Choral Conducting Internship (1-5) Offerings An opportunity for qualified choral conducting students to gain additional proficiency and experience while working with an advanced ensemble. May be repeated for credit up to 10 credits. <u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 4942 Instrumental Conducting Intern (1-5) Offerings An opportunity for qualified instrumental conducting students to gain additional proficiency and experience while working with an advanced ensemble. May be repeated for credit up to 10 credits. <u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 4943 Music Internship (1-5) Offerings An opportunity for music students to gain additional proficiency and experience in an approved project of the student's own design. May be repeated for credit up to 10 credits. <u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
MUS 4950 Special Topics in Music (1-5) Offerings Topic and credits to be announced in Time Schedule when offered. Topics are offered usually only once and only upon evidence of significant student interest. Topics might include the music of a specific composer, time, or culture; the pedagogy of a particular teacher or methodology; or techniques of a certain approach to performance. May be repeated for credit up to 10 credits. <u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music Majors only. Freshman, Sophomore students are excluded.</i>
MUS 4960 Special Projects in Music (1-5) Offerings Special Projects in Music May be repeated for credit up to 10 credits. <u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
PSY 1180 Gen Psych:Individual in Growth (5) Offerings Introduces psychological principles of intrapersonal dynamics, interpersonal relationships, human development, abnormal behavior and the psychological processes of learning, perception, motivation and cognition. <u>Attributes:</u> <i>Social Science A</i>
SOC 1110 Introduction to Sociology (5) Offerings Basic principles for understanding social relationships. This course is a comprehensive introduction to the field of sociology, including analyses of the mutual interaction of society and the individual; major theoretical perspectives; methods for obtaining sociological knowledge; and major problems and issues that confront societies. Note: Emphasis from a United States, Third World, or social problems perspective will be offered in different sections. The Sociology Department will be able to identify which course has which emphasis. <u>Attributes:</u> <i>Social Science A</i>

MUSIC DEPARTMENT FACULTY

Anderson, David. Assistant Professor of Choral Music; B.A., Whitworth College 1981; Master of Arts, University of Oregon 1987. At SPU since 1992. ([Contact Info](#))

Brown, Carlene J.. Assistant Professor of Music; B.Mus., Emmanuel Coll MA 1980; Master of Arts, University of Washington 1987; Doctor of Philosophy, University of Washington 1991. At SPU since 2005. ([Contact Info](#))

Hanson, Eric A. Professor of Music; B.M.E., Wheaton College IL 1971; M.M., Colorado State University 1974; Doctor of Musical Arts, University of Washington 1986. At SPU since 1979. ([Contact Info](#))

Holmes, Ramona A. Department Chair of Music / Professor of Music Education; B.S., Portland State University 1974; Master of Arts in Teaching, University of Washington 1978; Master of Arts, University of Washington 1982; Doctor of Musical Arts, University of Washington 1990. At SPU since 1994. ([Contact Info](#))

Johnson, Wayne David. Professor of Music; B.A., Bob Jones University 1969; M.M., University of Cincinnati 1975; Doctor of Musical Arts, University of Cincinnati 1986. At SPU since 1977. ([Contact Info](#))

Marsh, Gerry Jon. Instructor of Music; B.A., Northwest Nazarene University 1967; Master of Arts, University of Oregon 1968. At SPU since 1998. ([Contact Info](#))

Newby, Stephen Michael. Assistant Professor of Music; B.A., Madonna University 1984; M.M., University of Mass Amherst 1987; Doctor of Musical Arts, University of Michigan Ann Arbor 1994. At SPU since 2005. ([Contact Info](#))

Sigars, Julie K.. Instructor of Music; B.Mus., University of North Texas 1978; Masters Degree, Northern Arizona University 1982; M.Div., Seattle University 2002. At SPU since 2006. ([Contact Info](#))

THEATRE

Crawford Music Building
206-281-2205

www.spu.edu/depts/fpa/theatre/tre_homepage.asp

FACULTY: [Andrew Ryder](#), [George A Scranton](#), [Donald P Yanik](#)

The mission of the Department of Theatre is to educate, train, and prepare theatre artists of character and competence who will engage and transform the culture through faithful use of their creative gifts and talents.

The study of theatre provides students with opportunities to explore personal values, develop personal skills, and acquire techniques of insight and critical reasoning — all within a distinctive philosophical and artistic environment. Students in theatre are exposed to a sizable body of dramatic literature, theory, and historical study, leading to the development of an informed perspective of the role of theatre as a social, spiritual, and artistic institution. The experience is a liberalizing one, designed to allow the student to explore and develop herself or himself as both an individual and as an artist. By the nature of the art itself, the production and performance process is inherent to undergraduate theatre study. Many of the courses offered by the department focus on skills associated with performance, playwriting, directing, designing, and technical theatre crafts. In addition to the classroom experience, an extensive production program is maintained. The performance schedule is divided among main stage, studio, laboratory, and touring productions, with titles selected to reflect a wide range of dramatic forms and styles. Special emphasis is given to plays that deal with positive values and the relationship between theatre and the Christian faith.

Career Opportunities

The curriculum of the theatre program is designed both to prepare interested students for graduate studies and to serve as a groundwork for the placement of committed Christians in the culture-shaping world of the professional theatre. Career opportunities for theatre majors extend beyond acting into other specialties such as set design, lighting and costume design, stage management, promotion and publicity, play writing, directing, and business management. Additionally, the skills acquired as a major — skills of self-knowledge, communicative social interaction, presentation of self, personal discipline, risk taking, cooperative group effort and sensitivity to others — are important to many career applications other than those allied specifically with the theatre. Theatre majors find that they are prepared through their art to serve especially well in those careers associated with working with the public.

Admission to the Theatre Major

Formal admission to a major in theatre is accomplished at the end of the first quarter of the sophomore year, or in the case of transferring students beyond the sophomore level, in the second quarter of residence. To qualify for admission as a major in the theatre program, the student is required to have completed 12 credits of work with a 3.0 GPA in theatre and to complete and submit for the theatre faculty's approval an application for admission. Application should be made through the Office of Fine Arts on forms available there.

Students majoring in the study of theatre must fulfill the following requirements: Earn a minimum of 70 credits in theatre studies and applications, with a minimum of 30 upper-division credits, and they must demonstrate a growing ability in theatrical criticism, artistic awareness and personal theatrical skills. Theatre majors must successfully complete a senior project in acting, directing, design, or playwriting. This project must include both an approved prospectus and some form of public demonstration made during the student's senior year. The senior project, developed with advisor consultation and approved by the theatre faculty, is expected to be the independent work of a mature student artist. It is considered the culmination of the student's undergraduate training and must be of substantial merit, reflecting an informed artistic sensitivity and philosophy. (Up to 3 credits of TRE 4961 Special Projects may be accumulated in the completion of this requirement.)

Requirements for the Theatre Major

A maximum of 12 credits of practica offerings may be applied toward the major; any number toward the B.A. degree. The major requires a minimum of 30 upper-division credits.

TRE 4899 Capstone: Art and Religious Experience fulfills the eighth course required in the Common Curriculum.

Admission to the Theatre Minor

Formal admission to a minor in theatre is accomplished by the end of the sophomore year, or in the case of

transferring students beyond the sophomore level, in the second quarter of residence. The student is required to complete and submit for the approval of the theatre faculty an application for minor status. Application should be made through the [Office of Fine Arts](#) on forms available there.

Students earning a minor in the study of theatre must fulfill the following requirements: Earn a minimum of 35 credits in theatre studies and applications, with a minimum of 15 credits in upper-division credits; and they must demonstrate a growing ability in theatrical criticism, artistic awareness, and personal theatrical skills.

Requirements for the Theatre Minor

A maximum of 8 credits of practica offerings may be applied toward the minor; any number toward the B.A. degree.

TRE 4899 Capstone: Art and Religious Experience fulfills the eighth course required in the Common Curriculum.

Requirements for Fine Arts Major **School of Education Requirements**

Requirements for Theatre Education, K–12 Teaching Endorsement

50 credits; 23 upper-division

Students seeking a theatre education endorsement must also complete education courses and internship requirements for certification. See School of Education requirements below and in the [School of Education](#) section of this Catalog.

TRE 1310 *The Actor's Art* or TRE 1340 *Acting I Fundamentals* 5

TRE 1720 *Stagecraft* 5

Co-requisite: TRE 1931 *Production Practicum 2*

TRE 1810 *Script Analysis* 3

TRE 1930/3930 *Performance Practicum 2*

TRE 2340 *Acting II: Creating Character* 5

TRE 2420 *Theatre and Drama: Tragedy*

or TRE 2421 *Theatre and Drama: Comedy* 5

TRE 3710 *Play Directing* 5

TRE 3733 *Scene Design and Technical Drawing* 5

TRE 4770 *Creative Dramatics* 3

TRE 4899 *Capstone: The Arts and Religious Experience* 5

TRE 4910 *History of the Theatre* 5

Total 50

School of Education Requirements

51 credits

Foundations Quarter

Must be taken concurrently

EDU 2104 *Introduction to Education* 2

EDU 2200 *Foundations of Educational Psychology* 3

EDU 2300 *Diversity and the Classroom* 3

EDU 3942 *September Experience* 1

Methods Quarter

Must be taken concurrently

EDU 3250 *Secondary General Methods I* 2

Theatre

TRE 3800 *Theatre Education Methods* 3

EDU 3105 *Lab Experience* 3

Integrated Quarter

Must be taken concurrently

EDU 4200 *Elementary General Methods II* 1

EDU 4530 *Topics in Secondary Education* 3

EDU 4945 *Secondary Internship A* 12

Internship Quarter*Must be taken concurrently*

EDTC 2235 Educational Technology 1

EDU 4800 Teacher as Person 2

EDU 4946 Secondary Internship B 15

Total 51**THEATRE MAJOR**

70 Credits Total, Including 30 Upper Division

Suggested Course Sequence

General Core	
Course	Credits
TRE 1930 Performance Practicum (2)	2
TRE 3930 Performance Practicum (2)	
TRE 1931 Production Practicum (6)	6
TRE 3931 Production Practicum (6)	
TRE 1720 Stagecraft	5
TRE 1810 Playscript Analysis	3
TRE 1310 The Actor's Art (5)	5
TRE 1340 Acting I: Fundamentals (5)	
TRE 2340 Acting II:Creating Character	5
TRE 2420 Theatre & Drama:Tragedy (5)	5
TRE 2421 Theatre & Drama:Comedy (5)	
TRE 3733 Scene Desgn & Technicl Drawing	5
TRE 3710 Play Directing	5
TRE 4899 Capstone:Art & Religous Exprnc	5
TRE 4910 History of the Theatre	5
SECTION CREDITS REQUIRED	51
Approved Theatre Electives including:	
Course	Credits
TRE 3780 The Art of Film (5)	19
TRE 3800 Theatre Education Methods (3)	
TRE 4770 Creative Dramatics (3)	
TRE 4900 Independent Study in Theatre (1-5)	
TRE 4943 Theatre Internship (1-5)	
TRE 4950 Special Topics in Theatre (1-3)	
TRE 4951 Special Topics in Theatre (1-5)	
SECTION CREDITS REQUIRED	19
TOTAL CREDITS REQUIRED	70

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

THEATRE MAJOR - PERFORMANCE EMPHASIS

70 Credits Total, Including 30 Upper Division

Suggested Course Sequence

General Core	
Course	Credits
TRE 1930 Performance Practicum (2)	2
TRE 3930 Performance Practicum (2)	
TRE 1931 Production Practicum (6)	6
TRE 3931 Production Practicum (6)	
TRE 1720 Stagecraft	5
TRE 1810 Playscript Analysis	3
TRE 1310 The Actor's Art (5)	5
TRE 1340 Acting I: Fundamentals (5)	
TRE 2340 Acting II:Creating Character	5
TRE 2420 Theatre & Drama:Tragedy (5)	5
TRE 2421 Theatre & Drama:Comedy (5)	
TRE 3733 Scene Desgn & Technicl Drawing	5
TRE 3710 Play Directing	5
TRE 4899 Capstone:Art & Religous Exprnc	5
TRE 4910 History of the Theatre	5
SECTION CREDITS REQUIRED	51
Theatre Major: Performance Track	
Course	Credits
TRE 2320 Stage Movement (3)	15
TRE 2350 Theatre Voice (3)	
TRE 3321 Elements of Mime (3)	
TRE 3340 Acting III: Styles (5)	
TRE 4760 Playwriting (5)	
TRE 4961 Special Projects in Theatre (1-3)	
SECTION CREDITS REQUIRED	15
Theatre Electives	4
TOTAL CREDITS REQUIRED	70

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

THEATRE MAJOR - PRODUCTION EMPHASIS

70 Credits Total, Including 30 Upper Division

Suggested Course Sequence

General Core	
Course	Credits
TRE 1930 Performance Practicum (2)	2
TRE 3930 Performance Practicum (2)	
TRE 1931 Production Practicum (6)	6
TRE 3931 Production Practicum (6)	
TRE 1720 Stagecraft	5
TRE 1810 Playscript Analysis	3
TRE 1310 The Actor's Art (5)	5
TRE 1340 Acting I: Fundamentals (5)	
TRE 2340 Acting II:Creating Character	5
TRE 2420 Theatre & Drama:Tragedy (5)	5
TRE 2421 Theatre & Drama:Comedy (5)	
TRE 3733 Scene Desgn & Technicl Drawing	5
TRE 3710 Play Directing	5
TRE 4899 Capstone:Art & Religous Exprnc	5
TRE 4910 History of the Theatre	5
SECTION CREDITS REQUIRED	51
Theatre Major: Production Track	
Course	Credits
TRE 2733 Scene Painting (3)	15
TRE 2740 Introduction Lighting & Sound (3)	
TRE 3720 Stage Make-up (3)	
TRE 3750 Costume & Period Styles (5)	
TRE 4760 Playwriting (5)	
TRE 4961 Special Projects in Theatre (1-3)	
SECTION CREDITS REQUIRED	15
Theatre Electives	4
TOTAL CREDITS REQUIRED	70

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.

THEATRE MAJOR - TEACHING EMPHASIS

101 Credits Total, Including 30 Upper Division

Suggested Course Sequence

Core courses	
Course	Credits
TRE 1310 The Actor's Art (5)	5

TRE 1340	Acting I: Fundamentals (5)	
TRE 1720	Stagecraft (5)	7
TRE 1931	Production Practicum (2)	
TRE 1810	Playscript Analysis	3
TRE 1930	Performance Practicum (2)	2
TRE 3930	Performance Practicum (2)	
TRE 2340	Acting II:Creating Character	5
TRE 2420	Theatre & Drama:Tragedy (5)	5
TRE 2421	Theatre & Drama:Comedy (5)	
TRE 3710	Play Directing	5
TRE 3733	Scene Desgn & Technicl Drawing	5
TRE 4770	Creative Dramatics	3
TRE 4899	Capstone:Art & Religous Exprnc	5
TRE 4910	History of the Theatre	5
SECTION CREDITS REQUIRED		50
Foundations Quarter (must be taken concurrently)		
Course		Credits
EDU 2104	Introduction to Education	2
EDU 2200	Foundations &Educational Psych	3
EDU 2300	Diversity & the Classroom	3
EDU 3942	September Experience	1
SECTION CREDITS REQUIRED		9
Methods Quarter (must be taken concurrently)		
Course		Credits
EDU 3250	Sec Gen Mth I:Plan & Cls Mngmt	2
TRE 3800	Theatre Education Methods	3
EDU 3105	Laboratory Experience:Elemntry	2
SECTION CREDITS REQUIRED		7
Integrated Quarter (must be taken concurrently)		
Course		Credits
EDU 4200	Elem Gen Mth II:Strat Dvrs Lrn	2
EDU 4530	Topics in Secondary Education	2
EDU 4945	Secondary Internship A	12
SECTION CREDITS REQUIRED		16
Internship Quarter (must be taken concurrently)		
Course		Credits
EDTC 2235	Intro to Educational Technolgy	2
EDU 4800	Teacher as Person	2

EDU 4946 Secondary Internship B	14
SECTION CREDITS REQUIRED	19
TOTAL CREDITS REQUIRED	101

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

THEATRE MINOR

35 Credits Total, Including 15 Upper Division

Theatre Minor Core Requirements	
Course	Credits
TRE 1720 Stagecraft	5
TRE 1810 Playscript Analysis	3
TRE 1310 The Actor's Art (5) TRE 1340 Acting I: Fundamentals (5)	5
TRE 2420 Theatre & Drama:Tragedy (5) TRE 2421 Theatre & Drama:Comedy (5)	5
TRE 3710 Play Directing	5
SECTION CREDITS REQUIRED	23
Electives in Theatre	12
TOTAL CREDITS REQUIRED	35

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

THEATRE COURSE DESCRIPTIONS

<p>EDTC 2235 Intro to Educational Technolgy (2) Offerings</p> <p>Instruction on processes and procedures for using media and computers in school settings. Includes instructional design; basic production skills for computer, media and multimedia applications; and courseware evaluation.</p> <p><u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>EDU 2104 Introduction to Education (2) Offerings</p> <p>An introduction to the profession of teaching is provided with a special emphasis on requirements of the State of Washington and the Seattle Pacific University teacher education program. The course will cover: history of the educational reform effort in Washington, Residency certification competencies, endorsement competencies, and the various tests required to become a teacher. Portfolio requirements for the program as well as lesson and unit planning will also be introduced.</p> <p><u>Co-Requisite:</u> EDU 2200, EDU 2300 <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>EDU 2200 Foundations & Educational Psych (3) Offerings</p> <p>Explores the social, historical, philosophical and moral aspects of American education. Additional study includes the major instructional, developmental, and cognitive theorists as they relate to human growth and development, and classroom management.</p>

Co-Requisite: EDU 2104, EDU 2300

EDU 2300 Diversity & the Classroom (3) Offerings

Presents an overview of issues of diversity and exceptionality in the classroom. Students will develop a greater appreciation for cultural variations and individual differences. In addition to an overview of cultural diversity focusing on low status/historically marginalized students, and overview of special education including various categories of disabilities will be provided. Students will develop an awareness of effective educational strategies that support the learning of all students including students who have disabilities or who come from low status/historically marginalized groups.

Co-Requisite: EDU 2104, EDU 2200

EDU 3105 Laboratory Experience:Elementry (2) Offerings

Prerequisite: EDU 2104. Provides opportunity for the student to be placed in a school with diverse populations. Integration of learning and experience will be gained through observing and working with students in various classroom settings.

Attributes: Upper-Division Co-Requisite: EDMA 3000, EDRD 3200, EDSC 3200, EDU 3200 Restrictions: Freshman, Sophomore students are excluded.

EDU 3250 Sec Gen Mth I:Plan & CIs Mngmt (2) Offerings

Prerequisites: EDU 2104, 2200 and 2300. Emphasizes research and experienced based principles of effective practice for encouraging the intellectual social and personal development of secondary students. This will be carried out through exercises in planning and managing instruction based on knowledge of community/school contexts and curriculum standards.

Attributes: Upper-Division Co-Requisite: EDRD 4530, EDU 3106

EDU 3942 September Experience (1) Offerings

Prerequisite: EDU 2104. This course requires two weeks of observation and assistance at the opening of a school year in a program that reflects the level and subject matter preferred by the preservice teacher. It will include any faculty meetings, preparation days and inservice workshops that take place prior to the students' arrival at school. The intern will then remain through the beginning of the school year.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

EDU 4200 Elem Gen Mth II:Strat Dvrs Lrn (2) Offerings

Prerequisite: EDU 3200. Examines the nature of a diverse society and the implications for education. This includes examination of social and psychological roles as well as characteristics and strategies for inclusion. Further study of social and psychological roles of students will be studied.

Attributes: Upper-Division Co-Requisite: EDMA 4000, EDRD 4200, EDSC 4200, EDU 4941

EDU 4530 Topics in Secondary Education (2) Offerings

Explores major topics related to instruction in the secondary classroom, including student assessment, reading and study skills, and child abuse.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

EDU 4800 Teacher as Person (2) Offerings

This course will focus on professional and spiritual aspects of teaching school law, governance and finance. Seminar and case-study format will be used. Final portfolio checkout and job search information will also be included. Concurrent enrollment is required with the final quarter of internship.

Attributes: Upper-Division, Writing "W" Course Restrictions: Freshman, Junior, Sophomore students are excluded.

EDU 4945 Secondary Internship A (12) Offerings

Provides opportunity for observation and daily teaching in public or approved private schools under the direction of a master teacher. Extra fee. May be repeated for credit up to 18 credits.

Attributes: Upper-Division Co-Requisite: EDU 4250 Restrictions: Freshman, Junior, Sophomore students are excluded.

EDU 4946 Secondary Internship B (14) Offerings
Second quarter of two-quarter internship. Provides opportunity for observation and daily teaching in public or approved private schools under the direction of a master teacher. Extra fee. May be repeated for credit up to 18 credits.
<u>Attributes:</u> <i>Upper-Division</i> <u>Co-Requisite:</u> <i>EDTC 4237, EDU 4899</i> <u>Restrictions:</u> <i>Freshman, Junior, Sophomore students are excluded.</i>
TRE 1110 The Theatre Experience (5) Offerings
A study of the theatre as both a distinctive art form and a social instrument, considered from three viewpoints: those of the artist, the spectator, and the critic. Requires attendance at three to four evening theatrical performances. Extra fees required for events collected in class.
<u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Theatre Majors are excluded.</i>
TRE 1310 The Actor's Art (5) Offerings
Intended for non-theatre majors or minors. An introduction to the actor's task in preparation for the dramatic performance; focuses on developing sensory awareness, observation skills, selective imagination, and ensemble relationships through improvisation and scene work. No credit for students who have taken TRE 1340.
<u>Attributes:</u> <i>Arts and Humanities A</i>
TRE 1340 Acting I: Fundamentals (5) Offerings
Designed for intended theatre majors or minors or others with extensive acting experience. Prepares students for dramatic performance through intensive work in sensory awareness, observation skills, and selective imagination. Develops ensemble relationships through improvisation and scene work. No credit given for students who have taken TRE 1310.
<u>Attributes:</u> <i>Arts and Humanities A</i>
TRE 1720 Stagecraft (5) Offerings
An introduction to the backstage crafts of theatrical production and management, intended to give the student a broad understanding of the basic principles and technical procedures used in theatrical production management and the design and production of scenery, costumes, lighting, and sound.
<u>Co-Requisite:</u> <i>TRE 1931</i>
TRE 1810 Playscript Analysis (3) Offerings
Foundational approaches to problems of script analysis. Reading and analysis of representative plays from the distinct perspectives of playwright, actor, designer, and director. Attendance at selected theatrical productions and critical response.
TRE 1930 Performance Practicum (2) Offerings
Offered for performance or directing-related activity associated with approved theatrical productions. May be repeated an unlimited number of times.
<u>Attributes:</u> <i>Arts and Humanities A</i>
TRE 1931 Production Practicum (2) Offerings
Offered for design, technical theatre, or management activity associated with approved theatrical productions. May be repeated an unlimited number of times.
<u>Attributes:</u> <i>Arts and Humanities A</i>
TRE 2304 University Players (1) Offerings
University Players May be repeated an unlimited number of times.
<u>Restrictions:</u> <i>Freshman students are excluded.</i>
TRE 2320 Stage Movement (3) Offerings

Specialized movement for the actor including work in physical flexibility, balancing, equilibratics, circus techniques, hand-to-hand combat, and use of theatrical masks for performance. Offered alternate years.

TRE 2340 Acting II:Creating Character (5) [Offerings](#)

Prerequisite: TRE 1310, 1340, or permission of instructor. Improvisation and scene work exploring the problems of characterization as developed through both internal and external performance techniques. Offered alternate years.

TRE 2350 Theatre Voice (3) [Offerings](#)

A study of vocal production as related to the actor's craft. Analysis and exercises designed to promote relaxation, natural breathing, organic vocal production, articulation, phrasing, and projection. Offered alternate years.

TRE 2420 Theatre & Drama:Tragedy (5) [Offerings](#)

The nature of tragedy and tragic expression in the theatre as revealed by selected playscripts and theoretical works drawn from the history of Western civilization.

Attributes: *Arts and Humanities A*

TRE 2421 Theatre & Drama:Comedy (5) [Offerings](#)

Principle theories of the comic as presented in the theatre and preserved in playscripts drawn from the history of Western civilization.

Attributes: *Arts and Humanities A*

TRE 2733 Scene Painting (3) [Offerings](#)

Instruction in the basic scene painting practices and techniques for the stage. Includes blending, spattering, wood, brick, marble, stenciling, and foliage, as well as surface-material preparation. Extra fees for materials and supplies. Offered alternate years.

TRE 2740 Introduction Lighting & Sound (3) [Offerings](#)

Prerequisite: TRE 1720. Introduction to stage lighting and sound, covering theatrical sound equipment, lighting equipment and instruments, and the principles of lighting, and sound design. Offered alternate years.

TRE 2950 Special Topics in Theatre (1-3) [Offerings](#)

Topic and credits to be announced in Time Schedule when offered. Topics offered usually only once, and only upon evidence of significant student interest. Possible topics include great themes of drama, medieval drama, the Asian theatre, theatre architecture, contemporary playwrights and the like.

Restrictions: *Non-Matriculated are excluded.*

TRE 3321 Elements of Mime (3) [Offerings](#)

An introduction to the theory and practice of mime, the language of gesture. Offered alternate years.

Attributes: *Upper-Division*

TRE 3340 Acting III: Styles (5) [Offerings](#)

Explores analysis and performance techniques for plays of specialized historic and stylistic genre, including scene work drawn from classical, Elizabethan, mannerist, and other dramatic materials. Offered alternate years.

Attributes: *Upper-Division*

TRE 3710 Play Directing (5) Offerings
Prerequisite: TRE 1810 or permission of instructor. Consideration of the aesthetics and techniques of directing through exercises in achieving visual, auditory, and kinesthetic effects. Includes play selection, organization, casting, and rehearsing. Practical application.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 3720 Stage Make-up (3) Offerings
An introduction to the techniques and application of stage makeup for straight and corrective character, old age character, fantasy, special character effects, and crepe hair techniques. Extra fees for materials and supplies. Offered alternate years.
<u>Attributes:</u> Upper-Division
TRE 3733 Scene Design & Technical Drawing (5) Offerings
Prerequisite: TRE 1720. An introductory course of scene design with emphasis on analysis and interpretation of the script, use of research material and a developmental process of design. Includes an introduction to and the application of standard practices of drafting. Extra fees for materials and supplies.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman students are excluded.
TRE 3750 Costume & Period Styles (5) Offerings
An introductory, developmental course with emphasis on analysis and interpretation of the script for costume plot, designer's sketches, and presentation. Also includes a survey of period styles of costume, architecture, ornament, furniture, and its application to stage design. Offered alternate years.
<u>Attributes:</u> Upper-Division
TRE 3780 The Art of Film (5) Offerings
The goal of this course is to develop students' abilities to view films critically and to deepen their understanding of the film experience. The course first teaches analysis of narrative strategies, shot properties, mise-en-scene, editing, acting and the use of sound in film, particularly classical Hollywood cinema. The course then focuses on the study of different genres of films and how they present ideological points of view and fulfill certain wishes of the spectator.
<u>Attributes:</u> Arts and Humanities A, Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman students are excluded.
TRE 3800 Theatre Education Methods (3) Offerings
Explores contemporary methods and trends in the teaching of theatre, emphasizing management of a production program; critical response to artistic experiences; contexts of theatrical works; connections within the arts; and pedagogy. Attention is given to National Arts Standards and Washington Essential Academic Learning Requirements in the Arts.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 3930 Performance Practicum (2) Offerings
Offered for performance or directing-related activity associated with approved theatrical productions. May be repeated an unlimited number of times.
<u>Attributes:</u> Arts and Humanities A, Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 3931 Production Practicum (2) Offerings
Offered for design, technical theatre, or management activity associated with approved theatrical productions. May be repeated an unlimited number of times.
<u>Attributes:</u> Arts and Humanities A, Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 4304 University Players (1) Offerings
University Players May be repeated an unlimited number of times.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.

TRE 4760 Playwriting (5) Offerings
Prerequisite: TRE 1810 or permission of instructor. Seminar discussion and conferences in the writing of actual playscripts. Offered alternate years.
<u>Attributes:</u> Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 4770 Creative Dramatics (3) Offerings
Presents a workshop exploring methods to move children from their inner circle of knowledge and experience to their outer circle of thought, expression, and product through the use of creative drama. Offered alternate years.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 4899 Capstone:Art & Religious Exprnc (5) Offerings
This capstone course in theatre explores the interdependence of theatre and Christian theology and worship. Its primary focus is on theatre and its inter-relationships with religious experience, but explores some aspects of its related arts of music, visual arts, dance and architecture, especially as they relate to religious experience and Christian worship.
<u>Attributes:</u> Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 4900 Independent Study in Theatre (1-5) Offerings
Independent Study in Theatre May be repeated for credit up to 15 credits.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 4910 History of the Theatre (5) Offerings
Survey of the history of the theatre from preclassical to contemporary times, tracing development and changes in theatre architecture, social purpose, the role of the theatre artist, and the nature of theatrical experience.
<u>Attributes:</u> Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman, Sophomore students are excluded.
TRE 4930 Theatre Practicum (1-3) Offerings
For advanced students who wish to assist as peer academic mentors in UCOR 1000 courses. May be repeated for credit up to 6 credits.
<u>Attributes:</u> Upper-Division
TRE 4943 Theatre Internship (1-5) Offerings
Prerequisites: 15 credits of B or better work in theatre; an internship plan approved by the theatre faculty. Supervised application of theatre skills in the marketplace. May be repeated for credit up to 10 credits.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Theatre Majors only. Freshman, Sophomore students are excluded.
TRE 4950 Special Topics in Theatre (1-3) Offerings
Topic and credits to be announced in Time Schedule when offered. Topics offered usually only once, and only upon evidence of significant student interest. Possible topics include great themes of drama, medieval drama, the Asian theatre, theatre makeup, theatre architecture, contemporary playwrights, advanced stagecraft and the like. May be repeated for credit up to 10 credits.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Theatre Majors only. Freshman, Sophomore students are excluded.
TRE 4951 Special Topics in Theatre (1-5) Offerings
Special Topics in Theatre
<u>Attributes:</u> Upper-Division

TRE 4961 Special Projects in Theatre (1-3) [Offerings](#)

Individual research and conferences in area of specialization within the theatre discipline, culminating in the presentation of a project. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division* **Restrictions:** *Theatre Majors only. Freshman, Sophomore students are excluded.*

THEATRE DEPARTMENT FACULTY

Ryder, Andrew. Associate Professor of Theatre; B.A., Anderson University 1990; Master of Arts, Michigan State University 1994; Doctor of Philosophy, Bowling Green State Univ 1997. At SPU since 2000. ([Contact Info](#))

Scranton, George A. Professor of Theatre; B.A., Seattle Pacific University 1968; Master of Arts, Seattle Pacific University 1971; Master of Arts, University of Washington 1975; Doctor of Philosophy, The Graduate Theological Union 1994. At SPU since 1975. ([Contact Info](#))

Yanik, Donald P. Department Chair of Theatre / Professor of Theatre; B.S., Anderson University 1964; Master of Education, University of Nebraska Lincoln 1970; Master of Fine Arts, Southern Methodist University 1981. At SPU since 1985. ([Contact Info](#))

CLASSICS

Marston Hall
206-281-2036
www.spu.edu/depts/fil

FACULTY: [Robert N Baah](#), [Kathryn Mary Bartholomew](#), [Michelle Beauclair](#), [Owen M Ewald](#), [Michael Hugh Macdonald](#), [Katya Nemtchinova](#), [Jeffrey Lee Stevenson](#), [Eric William Vogt](#), [Michael Joakim Ziemann](#)

The surviving works of literature and art inherited from classical Greece and Rome have been foundational to Western European culture. From the classical world have come the patterns within which intellectual thought has developed, the models from which canons of aesthetic excellence have been formed and the languages in which the original literary works were written, including more than 1,000 years of Christian theology. The student who chooses to major in classics will acquire preparation that can key into any of the liberal arts, as well as provide enrichment for personal satisfaction. Students interested in pre-law, pre-medicine, education, and many of the sciences are encouraged to consider the classics offerings as electives, as are business majors aspiring to management.

All students who complete the classics major must be proficient in a foreign language. Proficiency is established upon satisfactory completion of the third quarter of a first-year college-level foreign language or its equivalent. For alternative ways of satisfying this requirement, see [General Education](#) in this *Catalog*. Language proficiency is not satisfied by transfer of an associate's degree from a community college unless the transcript records the completion of foreign language coursework.

Classics: Student-designed

Owen Ewald, Contact person

Admission to the Classics Major

Applicants for a major in classics must have a cumulative GPA of 3.0 or higher in all college work applicable to the B.A. degree and a 2.5 GPA in 10 credits of coursework at SPU in classics and/or Latin. Since the major is student-designed the student must work closely with the classics advisor.

[Requirements for the Major – Language Emphasis](#)

[Requirements for the Major – Cultural Emphasis](#)

[Requirements for the Minor – Classics](#)

[Requirements for the Minor – Latin](#)

Note: Classical Latin courses appear under the Latin program requirements.

CLASSICS MAJOR CULTURAL EMPHASIS

49 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

Classics Major: Cultural Emphasis	
Course	Credits
CLA 3104 Survey Ancient Greek Lit	5
CLA 3170 Classical Civilization	5
CLA 3204 Survey of Classical Latin Lit	5
EUR 3100 Foundations of European Art	3
CLA 4899 Senior Capstone in Classics	3
SECTION CREDITS REQUIRED	21

Other Approved Courses, Including:	
Course	Credits
ART 3602 History of Ancient Art (5)	
CLA 3100 Ancient Civilization (5)	
COM 3628 Foundations Western Rhetoric (5)	
GRK 2001 Elementary Classical Greek I (3)	
GRK 2002 Elementary Classical Greek II (3)	
GRK 4920 Indpdnt Readngs Classical Grk (1-5)	28
HIS 3335 Iberian Civilization & Culture (5)	
LAT 2204 Latin Grammar Review (3)	
LAT 4920 Indpdnt Readngs Classical Lat (1-5)	
PHI 3601 Ancient Philosophy (5)	
POL 4641 Theories of Poltcl Sys: Ancient (5)	
SECTION CREDITS REQUIRED	28
TOTAL CREDITS REQUIRED	49

Additional Requirements:	
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog.	

CLASSICS MAJOR: LANGUAGE EMPHASIS

50 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

Classics Major: Language Emphasis	
Course	Credits
CLA 3104 Survey Ancient Greek Lit	5
CLA 3170 Classical Civilization	5
CLA 3204 Survey of Classical Latin Lit	5
EUR 3100 Foundations of European Art	3
CLA 4899 Senior Capstone in Classics	3
SECTION CREDITS REQUIRED	21
Classics-Language Emphasis: Classical Latin Courses	
Course	Credits
LAT 1101 Elementary Latin I (5)	
LAT 1102 Elementary Latin II (5)	
LAT 1103 Elementary Latin III (5)	
LAT 2204 Latin Grammar Review (3)	24
LAT 4920 Indpdnt Readngs Classical Lat (1-5)	
LAT 4930 Latin Tutorial Practicum (1-6)	
LAT 4970 Directed Readings & Research (1-5)	
SECTION CREDITS REQUIRED	24

Other Approved Course, Including:	
Course	Credits
ART 3602 History of Ancient Art (5)	
CLA 3100 Ancient Civilization (5)	
COM 3628 Foundations Western Rhetoric (5)	
GRK 2001 Elementary Classical Greek I (3)	
GRK 2002 Elementary Classical Greek II (3)	5
GRK 4920 Indpdnt Readngs Classical Grk (1-5)	
HIS 3335 Iberian Civilization & Culture (5)	
PHI 3601 Ancient Philosophy (5)	
POL 4641 Theories of Poltcl Sys:Ancient (5)	
SECTION CREDITS REQUIRED	5
TOTAL CREDITS REQUIRED	50

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CLASSICS OR LATIN MINOR

33 Credits Total, Including 15 Upper Division

Classics Minor Core Requirements	
Course	Credits
CLA 3170 Classical Civilization	5
CLA 3104 Survey Ancient Greek Lit (5)	5
CLA 3204 Survey of Classical Latin Lit (5)	
SECTION CREDITS REQUIRED	10
23 Credits of Other Approved Courses	
Course	Credits
ART 3602 History of Ancient Art (5)	
CLA 3100 Ancient Civilization (5)	
COM 3628 Foundations Western Rhetoric (5)	
GRK 2001 Elementary Classical Greek I (3)	
GRK 2002 Elementary Classical Greek II (3)	
GRK 4920 Indpdnt Readngs Classical Grk (1-5)	23
HIS 3335 Iberian Civilization & Culture (5)	
LAT 2204 Latin Grammar Review (3)	
LAT 4920 Indpdnt Readngs Classical Lat (1-5)	
PHI 3601 Ancient Philosophy (5)	
POL 4641 Theories of Poltcl Sys:Ancient (5)	
SECTION CREDITS REQUIRED	23
TOTAL CREDITS REQUIRED	33

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CLASSICS COURSE DESCRIPTIONS

ART 3602 History of Ancient Art (5) Offerings
Explores the pictorial and plastic expression of the ancient Mediterranean cultures to the end of the Roman Empire. Offered alternate years.
Attributes: <i>Arts and Humanities A, Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i>
CLA 3100 Ancient Civilization (5) Offerings
Surveys Mediterranean history from early Egypt and Mesopotamia to the rise of the Roman Empire with emphasis on the Bronze Age. Enables the student to understand the world of the Old Testament. Offered alternate years.
Attributes: <i>Arts and Humanities B, Upper-Division</i>
CLA 3104 Survey Ancient Greek Lit (5) Offerings
Surveys the chronological development of Greek poetry and prose in its social context. Enables the student to appreciate great literary works of continuing inspiration to European writers, with special emphasis on literary analysis. Taught in English. Offered alternate years.
Attributes: <i>Arts and Humanities B, Upper-Division</i>
CLA 3170 Classical Civilization (5) Offerings
Explores history, literature, and society of classical Greece and Rome stressing contributions to modern Western civilization.
Attributes: <i>Arts and Humanities B, Upper-Division</i>
CLA 3204 Survey of Classical Latin Lit (5) Offerings
Surveys the chronological development of Latin poetry and prose in its social context. Enables the student to appreciate great literary works of continuing inspiration to European writers. Special emphasis on literary themes and influence. Taught in English. Offered alternate years.
Attributes: <i>Arts and Humanities B, Upper-Division, Writing "W" Course</i>
CLA 3304 Latin Lit Premodern Christian (3) Offerings
Provides a survey of over 1000 years of European literature written in Latin, from Augustine to Erasmus. Emphasizes the dual heritage of the Scriptures and Greco-Roman antiquity. Genres covered include hymns, commentaries, letters, treatises, dialogues, poems, elegies, and history. All readings are in translation.
Attributes: <i>Upper-Division</i>
CLA 4899 Senior Capstone in Classics (3) Offerings
Draws together three strands of the interdisciplinary field of Classics-art/archaeology, history, and literature/philosophy-into a comprehensive view of Greco-Roman antiquity. The course will encourage recollection and reflection upon previous coursework in classics and in the Common Curriculum, integration of classics and the student's own faith commitment, and further pursuit of an area of interest to the student.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
CLA 4920 Directed Readngs Classical Lit (1-5) Offerings
Prerequisite: CLA 3170 May be repeated for credit up to 15 credits.
Attributes: <i>Upper-Division</i>
CLA 4930 Classics Tutorial Practicum (1-5) Offerings
Classics Tutorial Practicum
COM 3628 Foundations Western Rhetoric (5) Offerings

Examines theories of communication and persuasion from ancient times to the fifth century A.D. Intensively studies selected Greek and Roman rhetorical treatises.

Attributes: *Upper-Division, Writing "W" Course*

EUR 3100 Foundations of European Art (3) [Offerings](#)

Provides a brief survey of major periods in European art and architecture beginning with significant works from the Greco-Roman period and progressing through the 20th century. It is specifically oriented toward students intending to travel in Europe.

Attributes: *Arts and Humanities A, Upper-Division*

GRK 2001 Elementary Classical Greek I (3) [Offerings](#)

Prerequisite: Competency in a non-English language equivalent to the third quarter of a first-year college-level foreign language course. This course is an introduction to the grammar and syntax of classical Greek. Parts of speech, basic forms of the verb, and declined nouns will be studied, as well as words needed for a working vocabulary. Offered alternate years.

GRK 2002 Elementary Classical Greek II (3) [Offerings](#)

Prerequisite: GRK 2001 or permission of instructor. This course continues into more complicated grammar and syntactical constructions, which lead to the ability to read simple prose selections in the original Greek. Offered alternate years.

GRK 4920 Independent Readings Classical Greek (1-5) [Offerings](#)

Greek is available to qualified students through the classics professor. May be repeated for credit up to 9 credits.

Attributes: *Arts and Humanities B, Upper-Division*

HIS 3335 Iberian Civilization & Culture (5) [Offerings](#)

Focuses on the culture and history of the Iberian Peninsula in the Spanish Renaissance and Reformation through a month of summer study at the University of Salamanca, Spain. (For post-baccalaureate students, can be taken as HIS 5335.)

Attributes: *Social Science B, Upper-Division* Restrictions: *Freshman students are excluded.*

LAT 1101 Elementary Latin I (5) [Offerings](#)

Studies the essentials of classical Latin grammar to build comprehension in reading and writing elementary Latin. The LAT 1101, 1102, and 1103 sequence is offered alternate years.

Attributes: *Foreign Language Comp*

LAT 1102 Elementary Latin II (5) [Offerings](#)

Prerequisite: LAT 1101 or permission of instructor. Continues the study in the essentials of classical Latin grammar and syntax.

Attributes: *Foreign Language Comp*

LAT 1103 Elementary Latin III (5) [Offerings](#)

Prerequisite: LAT 1102 or permission of instructor. Continues the study of classical Latin through reading to provide a basis for future work in the language; emphasizes translation.

Attributes: *Foreign Language Comp*

LAT 2204 Latin Grammar Review (3) [Offerings](#)

Prerequisite: LAT 1103 or permission of instructor. Provides intensive review of composition and syntax necessary for all advanced work in Latin. Offered alternate years.

LAT 4920 Independent Readings Classical Lat (1-5) Offerings
Prerequisite: LAT 2204. May be repeated for credit up to 15 credits.
Attributes: <i>Arts and Humanities B, Upper-Division</i>
LAT 4930 Latin Tutorial Practicum (1-6) Offerings
For advanced students who wish to assist as discussion leaders and readers in 1000-level Latin classes. May be repeated for credit up to 6 credits.
Attributes: <i>Upper-Division</i>
LAT 4970 Directed Readings & Research (1-5) Offerings
Prerequisite: LAT 4920. May be repeated for credit up to 10 credits.
Attributes: <i>Upper-Division</i>
PHI 3601 Ancient Philosophy (5) Offerings
Surveys the work of principally Greek philosophers emphasizing Plato and Aristotle. Some consideration may be given to pre-Socratics and post-Aristotelian developments, such as stoicism and Neoplatonism.
Attributes: <i>Upper-Division, Writing "W" Course</i>
POL 4641 Theories of Political Systems: Ancient (5) Offerings
Explores major themes of normative political thought by reviewing key works of such thinkers as Plato, Aristotle and Augustine. Reviews the nature of justice and governance, of citizenship and obedience, and examines a variety of Christian perspectives on these issues.
Attributes: <i>Upper-Division, Writing "W" Course</i> Restrictions: <i>Freshman students are excluded.</i>

COMMUNICATION and JOURNALISM

Marston Hall
206-281-2036
www.spu.edu/depts/commjournal

FACULTY: [Lorelle Beth Jabs](#), [Richard P Jackson](#), [William M Purcell](#), [Todd Darren Rendleman](#), [Shannon Scott](#), [Debra Lynn Sequeira](#)

The Department of Communication and Journalism prepares graduates of competence and character who will understand communication as a social, intellectual, ethical, and artistic process. They will also engage in communication and journalism as a responsible human behavior.

Admission to the Major

Applicants for a major in communication must display a cumulative GPA of 2.5 or higher (i.e., 4.0 = A) in all college work applicable to the degree or 3.0 in the 45 credits immediately preceding application for the major.

Foreign Language Requirement

All students who complete the communication major must display proficiency in a foreign language. For ways of displaying proficiency, see the General Education section under [Baccalaureate Degree Requirements](#). For those majoring in communication, the proficiency requirement is not satisfied as part of the community-college direct transfer degree unless the transcript records completion of adequate foreign language coursework.

COMMUNICATION MAJOR JOURNALISM TRACK

58 Credits Total, Including 28 Upper Division

[Suggested Course Sequence](#)

Communication: General Core	
Course	Credits
COM 1101 Intro to Interpersonal Commun	5
COM 1321 Public Speaking	5
COM 2323 Argumentation:Art of Inference	5
COM 3001 Theories of Communication	5
JRN 3355 The Public & the Media	5
SECTION CREDITS REQUIRED	25

Journalism Track	
Course	Credits
JRN 2101 Introductory News Writing	5
JRN 2202 Public Affairs Reporting	5
JRN 2203 Editing and Design	5
JRN 3301 Media Law	5
COM 4177 Communication Ethics	5
JRN 4899 Journalism Capstone Seminar	5
SECTION CREDITS REQUIRED	33
TOTAL CREDITS REQUIRED	58

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

COMMUNICATION MAJOR: COMMUNICATION STUDIES TRACK

55 Credits Total, Including 28 Upper Division

[Suggested Course Sequence](#)

Communication: General Core	
Course	Credits
COM 1101 Intro to Interpersonal Commun	5
COM 1321 Public Speaking	5
COM 2323 Argumentation:Art of Inference	5
COM 3001 Theories of Communication	5
JRN 3355 The Public & the Media	5
SECTION CREDITS REQUIRED	25
Communication Studies Track	
Course	Credits
COM 3628 Foundations Western Rhetoric (5)	5
COM 3629 Modern Rhetorical Theory (5)	
COM 4142 Adv Interpersonal Communication	5
COM 4265 Organizational Communication	5
COM 4899 Communication Seminar Capstone	5
SECTION CREDITS REQUIRED	20
Communication Electives	10
TOTAL CREDITS REQUIRED	55

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

COMMUNICATION MINOR

30 Credits Total, Including 15 Upper Division

Communication Minor Core	
Course	Credits
COM 1101 Intro to Interpersonal Commun	5
COM 1321 Public Speaking	5
COM 3001 Theories of Communication	5
SECTION CREDITS REQUIRED	15
Elective Credits in Communication Courses	15
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

JOURNALISM MINOR

30 Credits Total, Including 15 Upper Division

Journalism Minor Core	
Course	Credits
JRN 2101 Introductory News Writing	5
JRN 2202 Public Affairs Reporting	5
JRN 2203 Editing and Design	5
JRN 3355 The Public & the Media	5
SECTION CREDITS REQUIRED	20
Journalism Minor Electives	
Course	Credits
COM 4177 Communication Ethics (5) JRN 3301 Media Law (5)	5
SECTION CREDITS REQUIRED	5
Select one of the following Series:	
Course	Credits
JRN 2801 Newspaper Production (1-2) JRN 2802 Newspaper Production (1-2) JRN 2803 Newspaper Production (1-2)	1
JRN 3930 Publication Editor Practicum (1-3) JRN 3931 Publication Editor Practicum (1-3) JRN 3932 Publication Editor Practicum (1-3)	1

SECTION CREDITS REQUIRED	5
TOTAL CREDITS REQUIRED	30

Additional Requirements:	
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog	

COMMUNICATION COURSE DESCRIPTIONS

<p>COM 1101 Intro to Interpersonal Commun (5) Offerings</p> <p>In this fundamental course in communication between people, class sessions incorporate lectures with discussion and examples from popular culture and media. The focus of this course is on direct application of basic communication concepts essential to our daily lives. Topics include perception, gender, and culture and their effects on ourselves and others; self-expression and disclosure; friendship, family, and dating; verbal and nonverbal cues and their meanings; listening; and conflict management.</p> <p><u>Attributes:</u> <i>Arts and Humanities B</i></p>
<p>COM 1321 Public Speaking (5) Offerings</p> <p>Analyzes platform speaking; includes analysis, preparation and presentation of formal speeches. Includes rhetorical criticism of significant models. Recommended for students planning to major in communication; open to other students as well.</p> <p><u>Attributes:</u> <i>Arts and Humanities B</i></p>
<p>COM 2323 Argumentation:Art of Inference (5) Offerings</p> <p>Examines ambiguity, analysis, evidence, observation and inference; applies principles of reasoning to significant issues through extensive practice in public discourse, questioning, response to questions, refutation, and negotiation.</p>
<p>COM 3001 Theories of Communication (5) Offerings</p> <p>Examines theories of human communication and introduces a range of research methodologies used in investigating and creating those theories. Prerequisite for COM 4142 and 4899.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>COM 3628 Foundations Western Rhetoric (5) Offerings</p> <p>Examines theories of communication and persuasion from ancient times to the fifth century A.D. Intensively studies selected Greek and Roman rhetorical treatises.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>COM 3629 Modern Rhetorical Theory (5) Offerings</p> <p>Examines theories of communication and persuasion from the 15th century to the present, with special emphasis on European and American rhetorical theorists.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>COM 4142 Adv Interpersonal Communicatin (5) Offerings</p> <p>Prerequisites: COM 1101 and 3001 or permission of instructor. Focuses on selected communication theories, research and application pertaining to romantic, friendship and family relationships.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>COM 4177 Communication Ethics (5) Offerings</p>

Uses case studies to explore ethical foundations of media practice and to test methods of moral reasoning. Case studies consider business pressures, deception, truth telling, fairness, privacy, responsibility, and social justice in the news business; persuasion and truth telling in advertising and public relations; and the responsibilities of entertainment industries in areas such as taste, violence, gender, and race.

Attributes: Upper-Division, Writing "W" Course

COM 4265 Organizational Communication (5) Offerings

Examines how communication functions within organizations and explores use of communication to improve employee relationships and organizational effectiveness.

Attributes: Upper-Division

COM 4899 Communication Seminar Capstone (5) Offerings

Prerequisites: Completion of 30 credits in communication major and COM 3001. Senior capstone course in the Communication Studies track.

Attributes: Upper-Division Restrictions: Senior students only.

JRN 2101 Introductory News Writing (5) Offerings

Develops basic writing skills essential for success in mass media. Topics include outlining basic structure of news business; writing leads; organizing stories; using Associated Press style; utilizing grammar, punctuation; developing interview techniques; covering speeches and press conferences.

Restrictions: Freshman students are excluded.

JRN 2202 Public Affairs Reporting (5) Offerings

Prerequisite: JRN 2101 Develops basic reporting skills while continuing instruction in newswriting. Encourages students to develop their own stories through document, online, and human sources. Discusses both hard-news and feature writing styles.

JRN 2203 Editing and Design (5) Offerings

Develops basic skills in editing and publication design of print media. Topics include copyediting; story and page design; headline writing; photo captions; photo sizing and cropping; proper use of graphics.

JRN 3301 Media Law (5) Offerings

Explores all major areas of media law, their significance for society, and the new challenges posed by cyberspace. Topics include First Amendment and the meaning of free expression; prior restraint; hate speech; libel; invasion of privacy; freedom of information; protection of news sources; free press/fair trial; obscenity and indecency; copyright; advertising; and telecommunications regulation.

Attributes: Upper-Division

JRN 3355 The Public & the Media (5) Offerings

Applies relevant theories of mass communication to significant issues of media performance informed by the historical development of industry structures, professional practices, and changing technologies. Topics include journalism in the age of print, TV and cyberspace; propaganda, persuasion, and media influence in the world of public relations and advertising; TV, cable, music, film, and controversies over race, gender, violence, obscenity, and children's programming; and emerging questions about the impact of the information superhighway.

Attributes: Upper-Division

JRN 4899 Journalism Capstone Seminar (5) Offerings

Senior capstone course in the journalism track. Assignments include a final journalism portfolio and papers dealing with the relationship between Christian faith and journalism ethics.

Attributes: Upper-Division Restrictions: Communication Majors only. Freshman, Sophomore students are excluded.

COMMUNICATION DEPARTMENT FACULTY

Jabs, Lorelle Beth. Assistant Professor of Communication; B.S., Oregon State University 1986; Master of Science, Oregon State University 1988; Doctor of Philosophy, University of Washington 1997. At SPU since 2000. ([Contact Info](#))

Jackson, Richard P. Assistant Professor of Journalism; B.A., Pennsylvania State University University Park 1977; Master of Arts, University of Washington 1995; Doctor of Philosophy, University of Washington 2005. At SPU since 1995. ([Contact Info](#))

Purcell, William M. Department Chair of Communication and Journalism / Associate Professor of Communication; B.A., Auburn University 1976; Master of Arts, University of Alabama Tuscaloosa 1983; Doctor of Philosophy, Indiana University Bloomington 1986. At SPU since 1995. ([Contact Info](#))

Rendleman, Todd Darren. Associate Professor of Communication; B.A., University of Illinois Urbana 1992; Master of Arts, University of Illinois Urbana 1994; Doctor of Philosophy, University of Illinois Urbana 1999. At SPU since 1999. ([Contact Info](#))

Scott, Shannon. Assistant Professor of Communication; B.A., North Dakota State U Fargo 1992; Master of Arts, North Dakota State U Fargo 1998; Doctor of Philosophy, University of Washington 2004. At SPU since 2005. ([Contact Info](#))

Sequeira, Debra Lynn. Associate Dean, College of Arts and Sciences; B.A., San Francisco State University 1976; Master of Arts, San Francisco State University 1978; Doctor of Philosophy, University of Washington 1987. At SPU since 1990. ([Contact Info](#))

ENGLISH

Marston Hall
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www.spu.edu/depts/eng/

FACULTY: [Thomas Amorose](#), [Eve Christine Chaney](#), [Susan VanZanten Gallagher](#), [Jennifer Maier](#), [April Lynn Middeljans](#), [Luke Mins Reinsma](#), [Kimberly Wedeven Segall](#), [Douglas Thorpe](#), [Thomas Nicholas Trzyna](#), [Mark D Walhout](#), [Misty Anne Winzenried](#), [Gregory Wolfe](#), [Suzanne M Wolfe](#)

Courses in English give students the opportunity to read a rich variety of excellent literature and to improve their own writing and thinking. Literature courses show how language enables us to explore and shape our views of God, humanity, and the earth; writing courses stress writing as a process of communication with readers and as an exploration of one's own ideas and emotions.

Courses in English also allow students to discuss the fundamental questions of human life and meaning, as well as to cultivate an appreciation of individual and cultural diversity. An English major prepares students to enter professions such as the ministry, law, social work, or medicine; to work in a variety of businesses and governmental agencies; to teach in elementary or secondary schools; to pursue graduate study in English or the humanities; and generally to enter life with an appreciation for God's gifts of language and literature.

Goals of the Major

1. Knowledge of British, American, and world literature.
2. Skill in literary criticism and scholarship.
3. Understanding of the relationship between literature and the Christian faith.
4. Skill in prose writing, whether critical or creative.
5. Experience of the central role of the imagination in living lives of compassion and service in a diverse, interconnected world.

Admission to the Major

Applicants for a major in English must display an average GPA of 2.5 or higher (4.0 = A) in any two of the following: ENG 2225, ENG 2251, ENG 2252, ENG 2253.

Requirements for the English Major

[English Major: Creative Writing Concentration](#) | [English Major: Literature Concentration](#)

Foreign Language Requirement

All students who complete the English major must be proficient in a foreign language. Proficiency is established upon satisfactory completion of the third quarter of a first-year college-level foreign language course or its equivalent. For alternate ways of satisfying this requirement, see the [General Education](#) section of the *Catalog*. Language proficiency is not satisfied by transfer of an associate's degree from a community college unless the transcript records the completion of foreign language coursework. It is strongly recommended, however, that English majors complete at least two years of study of either a contemporary or ancient foreign language.

Admission to the Minor

Applicants for minors in literature or writing must display an average GPA of 2.5 or higher (4.0 = A) in at least two English courses at the 2000 level or above.

[Requirements for the Literature Minor](#)

This literature minor partially fulfills the requirements for a supporting endorsement on a teaching credential. See the [School of Education](#) for additional requirements.

[Requirements for the Professional Writing Minor](#)

All elective credits must be approved by the minor advisor. Electives may be selected from among courses in various disciplines depending on the student's major and career goals. English majors may apply no more than 10 credits of work in this minor toward their major.

[Requirements for the Creative Writing Minor](#)

All elective credits must be approved by the minor advisor. Non-English majors with an emphasis in creative

writing must include at least 10 credits of literature in their electives. English majors may apply no more than 10 credits of work in this minor toward their major.

Image: A Journal of the Arts and Religion

Image is a quarterly literary journal with editorial offices at SPU. English majors may apply to work as interns on the editorial staff of the journal.

Lingua

Lingua is SPU's annual student literary magazine. Under the direction of a faculty advisor, students design, edit, and publish the magazine.

British Isles Quarter

A biennial study-abroad program, [British Isles Quarter \(BIQ\)](#) offers students an opportunity to take regular English courses from an SPU professor while residing and traveling in Great Britain for a full academic quarter. For details about upcoming BIQs, visit the [English Department](#).

Summer Program in South Africa

A biennial study tour, the [Summer Program in South Africa](#) offers students an opportunity to take regular English courses from an SPU professor while traveling in South Africa for a month. For details on upcoming tours, visit the [English Department](#).

ENGLISH MAJOR: CREATIVE WRITING CONCENTRATION

63 Credits Total, Including 30 Upper Division

Suggested Course Sequence

Core Courses	
Course	Credits
ENG 2225 Introduction: Literary Studies	5
ENG 2251 Eng Lit:Beginning Thru Milton (5) ENG 2252 Eng Lit: Restoration-Victorian (5) ENG 2253 Amer Lit:Beginnings to 1900 (5)	15
ENG 4225 Senior Literature Seminar (5) ENG 4226 Senior Creative Writg Seminar (5)	5
ENG 4445 Shakespeare	5
ENG 4899 Senior Capstone in English	3
SECTION CREDITS REQUIRED	33
Creative Writing Requirements	
Course	Credits
ENG 2215 Imaginative Writing (3) ENG 3180 Advanced Grammar (3) ENG 4601 History of English (3)	9
SECTION CREDITS REQUIRED	9
Literature Options	
Course	Credits
ENG 3338 Contemporary Fiction (5) ENG 3352 Modern Fiction (5) ENG 3381 Middle Eastern Literature (5) ENG 4425 Modern Poetry (5) ENG 4426 Contemporary Poetry (5)	10

SECTION CREDITS REQUIRED	10
Genre Options	
Course	Credits
ENG 3316 Workshop in Writing Poetry (3) ENG 4316 Advanced Poetry Writing (3)	6
ENG 3317 Workshop in Writing Fiction (3) ENG 4317 Advanced Fiction Writing (3)	6
ENG 3318 Creative Nonfiction (3) ENG 4318 Advanced Creative Nonfiction (3)	6
SECTION CREDITS REQUIRED	6
Applied English	
Course	Credits
EDU 4941 Elementary School Internship A (1-18) EDU 4945 Secondary Internship A (1-18) ENG 4930 English Practicum (3) ENG 4940 Coop Ed:English Internship (3) ENG 4970 Independnt Research in English (5)	3
SECTION CREDITS REQUIRED	3
English Electives	2
TOTAL CREDITS REQUIRED	63

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGLISH MAJOR: LITERATURE CONCENTRATION

63 Credits Total, Including 30 Upper Division

[Suggested Course Sequence](#)

Core Courses	
Course	Credits
ENG 2225 Introduction: Literary Studies	5
ENG 2251 Eng Lit:Beginning Thru Milton (5) ENG 2252 Eng Lit: Restoration-Victorian (5) ENG 2253 Amer Lit:Beginnings to 1900 (5)	15
ENG 4225 Senior Literature Seminar	5
ENG 4445 Shakespeare	5
ENG 4899 Senior Capstone in English	3
SECTION CREDITS REQUIRED	33

British Literature	
Course	Credits
ENG 3345 Medieval English Literature (5)	5
ENG 3346 Lit of English Renaissance (5)	
ENG 3347 18th-Century Literature (5)	
ENG 3348 Romantic Poetry and Fiction (5)	
ENG 3351 Victorian Literature (5)	
SECTION CREDITS REQUIRED	5
American Literature	
Course	Credits
ENG 3235 Literature American Renaissanc (5)	5
ENG 3334 American Ethnic Literature (5)	
ENG 3336 The Age of Realism (5)	
ENG 4334 Americn Ethnc Lit:Special Topc (5)	
SECTION CREDITS REQUIRED	5
20th Century Literature	
Course	Credits
ENG 3338 Contemporary Fiction (5)	5
ENG 3352 Modern Fiction (5)	
ENG 4425 Modern Poetry (5)	
ENG 4426 Contemporary Poetry (5)	
SECTION CREDITS REQUIRED	5
European Literature	
Course	Credits
CLA 3104 Survey Ancient Greek Lit (5)	5
CLA 3204 Survey of Classical Latin Lit (5)	
ENG 3246 European Lit: Homer to Dante (5)	
ENG 3247 European Lit: Cervantes-Camus (5)	
EUR 3287 Mythology in Literature (5)	
FRE 3205 Topics in French Literature (5)	
GER 3206 Topics in German Lang & Lit (3-5)	
RUS 2207 Modern Russian Culture thr Lit (5)	
SPN 4401 Topics in Spanish Literature (3,5)	
SECTION CREDITS REQUIRED	5
Post Colonial Literature	
Course	Credits
ENG 2248 New International Fiction (5)	5
ENG 3380 African Literature (5)	
ENG 3381 Middle Eastern Literature (5)	
SPN 4501 Topics in Latin American Lit (3,5)	
SECTION CREDITS REQUIRED	5
Applied English	
Course	Credits
EDU 4941 Elementary School Internship A (1-18)	3
EDU 4945 Secondary Internship A (1-18)	
ENG 4930 English Practicum (3)	
ENG 4940 Coop Ed:English Internship (3)	
ENG 4970 Independnt Research in English (5)	

SECTION CREDITS REQUIRED	3
English Electives	2
TOTAL CREDITS REQUIRED	63

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGLISH CREATIVE WRITING MINOR

30 Credits Total, Including 15 Upper Division

Minor Core Requirements	
Course	Credits
ENG 2215 Imaginative Writing	3
ENG 3180 Advanced Grammar	3
ENG 4601 History of English	3
SECTION CREDITS REQUIRED	9
Chose at least one genre group:	
Course	Credits
ENG 3316 Workshop in Writing Poetry (3)	6
ENG 3317 Workshop in Writing Fiction (3)	
ENG 3318 Creative Nonfiction (3)	
ENG 4316 Advanced Poetry Writing (3)	
ENG 4317 Advanced Fiction Writing (3)	
ENG 4318 Advanced Creative Nonfiction (3)	
SECTION CREDITS REQUIRED	6
Approved Electives	15
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGLISH LITERATURE MINOR

30 Credits Total, Including 15 Upper Division

English Literature Minor Core Requirements	
Course	Credits
ENG 2251 Eng Lit:Beginning Thru Milton	5
ENG 2252 Eng Lit: Restoration-Victorian	5
ENG 2253 Amer Lit:Beginnings to 1900	5
ENG 4445 Shakespeare	5
SECTION CREDITS REQUIRED	20
2 Upp.Div. from Amer, British, contem, Euro or postcolonial	10

TOTAL CREDITS REQUIRED	30
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Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGLISH PROFESSIONAL WRITING MINOR

30 Credits Total, Including 15 Upper Division

Minor Core Requirements	
Course	Credits
ENG 3180 Advanced Grammar	3
ENG 3205 Writing in the Professions	3
ENG 3301 Advanced Expository Writing	3
ENG 3318 Creative Nonfiction	3
ENG 4940 Coop Ed:English Internship	1-5
SECTION CREDITS REQUIRED	15
Approved Electives	15
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGLISH COURSE DESCRIPTIONS

CLA 3104 Survey Ancient Greek Lit (5) Offerings
Surveys the chronological development of Greek poetry and prose in its social context. Enables the student to appreciate great literary works of continuing inspiration to European writers, with special emphasis on literary analysis. Taught in English. Offered alternate years.
<u>Attributes:</u> <i>Arts and Humanities B, Upper-Division</i>

CLA 3204 Survey of Classical Latin Lit (5) Offerings
Surveys the chronological development of Latin poetry and prose in its social context. Enables the student to appreciate great literary works of continuing inspiration to European writers. Special emphasis on literary themes and influence. Taught in English. Offered alternate years.
<u>Attributes:</u> <i>Arts and Humanities B, Upper-Division, Writing "W" Course</i>

EDU 4941 Elementary School Internship A (1-18) Offerings
Prerequisites: See Integrated quarter elementary program prerequisites (first quarter). Provides opportunity for observation and daily teaching in elementary schools under the direction of a cooperating teacher. Extra fee. May be repeated for credit up to 18 credits.
<u>Attributes:</u> <i>Upper-Division</i> <u>Co-Requisite:</u> <i>EDMA 4000, EDRD 4200, EDSC 4200, EDU 4200</i> <u>Restrictions:</u> <i>Freshman, Junior, Sophomore students are excluded.</i>

EDU 4945 Secondary Internship A (1-18) Offerings
Provides opportunity for observation and daily teaching in public or approved private schools under the

direction of a master teacher. Extra fee. May be repeated for credit up to 18 credits.

Attributes: *Upper-Division* Co-Requisite: *EDU 4250* Restrictions: *Freshman, Junior, Sophomore students are excluded.*

ENG 0102 Writing Tutorial (2) Offerings

Prerequisite: Score of two to three on English Placement test. Supports work done in ENG 2201 through a series of conferences with the instructor. Students must be enrolled in the designated section of ENG 2201 to take this course but not in any other section. Credits for this course do not apply toward graduation.

Co-Requisite: *ENG 2201*

ENG 1110 Literature and Faith (5) Offerings

Examines the treatment of belief and disbelief in literature shaped by various Christian traditions and by a variety of social and literary contexts. Instructor may choose to focus on American, British, or contemporary literature.

Attributes: *Arts and Humanities B*

ENG 2201 Intermediate College Writing (3) Offerings

Prerequisite: Score of two, three or four on English Placement test. Improves upon elementary college-writing skills through readings, discussion, and the assignment of writing tasks typically found in college coursework. Tutorial sessions in the Writing Center may be required.

Attributes: *Writing Skills Competency*

ENG 2215 Imaginative Writing (3) Offerings

Prerequisites: (ENG 1110, 2230, 2234, 2248, or 3334) and (ENG 2201 or score of five to six on English Placement test). Fosters the vision and skills necessary for effective writing of poetry and fiction.

Attributes: *Writing Skills Competency*

ENG 2225 Introduction: Literary Studies (5) Offerings

An introduction to various contemporary approaches to the study of literature, with emphasis on scholarly research, thinking, and writing. Includes consideration of Christian approaches to criticism. Designed for students intending to major in English.

Attributes: *Writing "W" Course*

ENG 2230 Literature of American West (5) Offerings

Explores poetry, essays, and fiction associated with the "Idea of the West" developed on the North American continent over the past two centuries. Particular emphasis is given to the importance of place in shaping the literature and the spirituality of writers in the West.

Attributes: *Arts and Humanities B*

ENG 2234 Literature by Women (5) Offerings

A study of poems, stories, plays, and essays written in English by women. The course will include classic as well as rediscovered women writers, and will examine the significant themes, the literary forms, and the social contexts of literature written by women.

Attributes: *Arts and Humanities B*

ENG 2248 New International Fiction (5) Offerings

Explores recent fiction from around the world, featuring international authors who write in English (e.g., Ngugi Wa Thiongo, Salman Rushdie) or have been strongly influenced by British or American literature (e.g., Gabriel Garcia-Marquez, Assia Djehar).

Attributes: *Arts and Humanities B*

ENG 2251 Eng Lit: Beginning Thru Milton (5) Offerings

Surveys the first three periods of English literary history: Old English, including the eighth-century Anglo-Saxon epic Beowulf; Middle English, including Chaucer's Canterbury Tales; and English Renaissance, concluding with Milton's 17th-century Paradise Lost.

ENG 2252 Eng Lit: Restoration-Victorian (5) [Offerings](#)

Surveys major authors, themes, genres and movements in British literature of the 18th and 19th centuries, including intellectual and social contexts.

ENG 2253 Amer Lit: Beginnings to 1900 (5) [Offerings](#)

Surveys major authors, themes, genres, and movements in American literature from the colonial era through the modern period, including intellectual and social contexts.

ENG 3000 British Isles Orientation (1) [Offerings](#)

Introduces students to the literary and cultural landscape of the British Isles. Orients students to the academic work of the ensuing British Isles Quarter, and to the challenges and opportunities of traveling and studying in Britain. Addresses practical matters such as financial aid, British Isles Quarter itinerary, travel safety, and post-quarter travel. Graded pass/fail. Offered alternate years.

Attributes: *Upper-Division*

ENG 3001 South Africa Orientation (1) [Offerings](#)

Introduces students to the literary and cultural landscape of South Africa. Orients students to the academic work of the ensuing South Africa Summer Program, including the final research projects, and introduces the history of apartheid in South Africa. Considers the challenges of culture shock and opportunities for service learning and travel in South Africa. Also addresses practical matters such as financial aid, itinerary, and travel safety. Graded pass/fail. Offered alternate years.

Attributes: *Upper-Division*

ENG 3180 Advanced Grammar (3) [Offerings](#)

This basic grammar course brings insights from both traditional and generative-transformational approaches to explain how language works. Especially designed for teachers of English, it also introduces students to parts of speech, phrases, and clauses, as well as to grammatical and mechanical rules for generating standard American English.

Attributes: *Upper-Division*

ENG 3205 Writing in the Professions (3) [Offerings](#)

Prerequisite: ENG 2201 or score of five to six on English Placement test. Develops abilities associated with writing tasks in the professions, including reports, correspondence, proposals, and procedure manuals. Emphasizes role of persuasion in routine and special writing tasks. Also addresses visual design in the preparation of documents and the impact of digital technologies on writing in the professional workplace.

Attributes: *Upper-Division, Writing "W" Course, Writing Skills Competency*

ENG 3208 Professional & Bus Writing-M (5) [Offerings](#)

Prerequisite: Writing course or score of 5-6 on English Placement Test. Reviews basic written-communication skills and strategies before moving on to practice in fundamentals of professional communication: professional correspondence, business reports, proposals, oral presentations. Emphasis is placed on persuasion, ethics and the impact of digital technologies on business communication. May not be taken for credit if ENG 3207 Business Writing has previously been taken. Offered only by Media.

Attributes: *Media, Upper-Division, Writing "W" Course*

<p>ENG 3235 Literature American Renaissanc (5) Offerings</p> <p>Prerequisite: ENG 2253 or permission of instructor. Focuses on the first flowering of American literature in the difficult years before the Civil War. Includes works by such writers as Emerson, Thoreau, Douglass, Hawthorne, Melville, Stowe, Whitman and Dickinson. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3246 European Lit: Homer to Dante (5) Offerings</p> <p>Prerequisite: ENG 1110, 2230, 2234, 2248, or 3334. Explores the literary heritage of British and American literature through intensive study of selected classics in translation, including works by authors such as Homer, Sophocles, Virgil, and Dante.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3247 European Lit: Cervantes-Camus (5) Offerings</p> <p>Prerequisite: ENG 1110, 2230, 2234, 2248 or 3334. Explores the literary heritage of British and American literature through intensive study of selected classics in translation, including works by such authors as Cervantes, Goethe, Dostoevsky, and Camus.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3301 Advanced Expository Writing (3) Offerings</p> <p>Prerequisite: ENG 2201 or score of five to six on English Placement test. Moves students beyond the academic essay and shows them techniques for addressing an audience beyond the academy. Focuses on the exploratory, open-ended essay as a lens for examining topics chosen by students in consultation with the instructor.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course, Writing Skills Competency</i></p>
<p>ENG 3310 Elements of Prosody (2) Offerings</p> <p>For English majors and others interested in exploring in greater depth the workings of poetry, with particular attention paid to the relationship between the elements that make up the poem (rhythm, structure, sound qualities ? the "music" of the poem) and where those elements take us.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3311 Elements of Narrative (2) Offerings</p> <p>For English majors and others interested in exploring in greater depth the field of narratology, with particular attention paid to the relationship between the elements of narrative (story, plot, point of view, etc.) and what might be called the theology of story.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3316 Workshop in Writing Poetry (3) Offerings</p> <p>Prerequisite: ENG 2215 or permission of instructor. Refines skills and techniques necessary for the effective writing of poetry. Students examine the work of professional poets from the perspective of apprentice to the craft. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3317 Workshop in Writing Fiction (3) Offerings</p> <p>Prerequisite: ENG 2215 or permission of instructor. Refines skills and techniques necessary for the effective writing of short fiction. Students analyze the work of professional fiction writers from the perspective of apprentices to the craft. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3318 Creative Nonfiction (3) Offerings</p> <p>Prerequisite: ENG 2215 or 3301, or permission of instructor. Examines the literary essay, emphasizing contemporary authors such as Diane Ackerman, Annie Dillard, and Barry Lopez; "schools" such as the new journalists and the environmental essayists; and publications such as The New Yorker and The Atlantic. Special attention will be paid to students' development as writers of nonfiction.</p>

Attributes: *Upper-Division, Writing "W" Course, Writing Skills Competency*

ENG 3334 American Ethnic Literature (5) Offerings

Traces the expression in novels, plays, poems, and essays of the minority groups who have been a part of the American people, particularly emphasizing the writing of African Americans.

Attributes: *Arts and Humanities B, Upper-Division*

<p>ENG 3336 The Age of Realism (5) Offerings</p> <p>Prerequisite: ENG 2253 or permission of instructor. Focuses on the development of realism and naturalism in the era of modernization following the Civil War. Includes work by such writers as Howells, James, Twain, Chopin, Crane, Dreiser, and Wharton. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3338 Contemporary Fiction (5) Offerings</p> <p>Prerequisite: ENG 2252 or 2253, or permission of instructor. Considers British and American fiction published after 1945, including both realistic and postmodern works by such writers as Carver, DeLillo, Ishiguro, Murdoch, Nabokov, O'Connor, and Pynchon. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3345 Medieval English Literature (5) Offerings</p> <p>Prerequisite: ENG 2251 or permission of instructor. Studies Celtic, Anglo-Saxon, and Medieval English masterpieces, with special emphasis on Beowulf and on the works of the Pearl Poet. Culminates in a study of Chaucer's Canterbury Tales and Malory's Morte D'Arthur. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3346 Lit of English Renaissance (5) Offerings</p> <p>Prerequisite: ENG 2251 or permission of instructor. Considers the Golden Age of Elizabeth I and the darker days that followed, as seen through the works of Wyatt, Spenser, Sidney, Raleigh, Shakespeare, Bacon, Milton, and other contemporaries. Special attention given to written explication of poems by Donne, Herbert, and Marvell. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3347 18th-Century Literature (5) Offerings</p> <p>Prerequisite: ENG 2252 or permission of instructor. Considers 18th-century British literature in the context of the Enlightenment. Focuses on new understandings of the self and society that illuminate many of our contemporary assumptions. Includes works by such writers as Defoe, Dryden, Swift, Fielding, Pope, and Johnson. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3348 Romantic Poetry and Fiction (5) Offerings</p> <p>Prerequisite: ENG 2252 or permission of instructor. Studies selected works of such British Romantic writers, including Blake, Wordsworth, Coleridge, Byron, Keats, and the Shelleys. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3351 Victorian Literature (5) Offerings</p> <p>Prerequisite: ENG 2252 or permission of instructor. Studies selected works from the age of Queen Victoria in Britain, including novels by Bronte, Dickens, and Trollope, and poetry by Tennyson, Barrett Browning, and Arnold. Attends especially to the various ideologies of the 19th century in relation to contemporary culture, including questions of gender, technology, empire, and faith.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3352 Modern Fiction (5) Offerings</p> <p>Prerequisite: ENG 2252 or 2253, or permission of instructor. Studies major fictional works of the early 20th century, including novels and short stories by such authors as Conrad, Faulkner, Hemingway, Lawrence, Joyce, and Woolf. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ENG 3380 African Literature (5) Offerings</p> <p>Prerequisite: ENG 2225 or 2248. Examines the work of a variety of authors from the continent of Africa in the light of colonialism and its aftermath. Focuses primarily on English-language writers such as Achebe, Coetzee, Dangarembga, Fugard, Gordimer, Ngugi, and Soyinka. Offered alternate years.</p>

Attributes: *Upper-Division*

ENG 3381 Middle Eastern Literature (5) Offerings

Prerequisite: ENG 2225 or 2248. Examines the work of a variety of authors from the East/Middle East in the light of colonialism and exile. Focuses primarily on English-language works by such writers as Satrapi, Hosseini, Naipaul, and Rushdie as well as translations of El Saadawi, Mahfouz, or Pamuk. Offered alternate years.

Attributes: *Upper-Division*

ENG 3382 South African Lit & Theater (5) Offerings

Introduces students to the literature and culture of South Africa. Examines the work of a variety of authors and playwrights. Requires original research based on viewing performances in South Africa.

Attributes: *Arts and Humanities B, Upper-Division*

ENG 4225 Senior Literature Seminar (5) Offerings

Prerequisite: ENG 2225 or permission of instructor. Studies a major text, its context, and its reception. Examples of the kind of text to be considered include the Aeneid, Canterbury Tales, Paradise Lost, Moby Dick, Middlemarch, and Ulysses. Students will complete a significant literary essay that draws upon their skills and experience as English majors. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *English Majors only. Freshman, Sophomore students are excluded.*

ENG 4226 Senior Creative Writg Seminar (5) Offerings

Prerequisite: ENG 3316, 3317, or 3318. An advanced craft seminar for senior English majors pursuing the creative writing option in fiction, poetry, or creative nonfiction. Students will complete a major project in their genre, consisting of new and revised work, which may serve as an application portfolio for post-graduate study in creative writing. Through techniques of peer review, deep structural analysis, and extremely close reading of works by novice and professional writers, we'll explore the conscious choices good writers make at the level of the word, the sentence, and beyond. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *English Majors only. Freshman, Sophomore students are excluded.*

ENG 4316 Advanced Poetry Writing (3) Offerings

Prerequisite: ENG 3316. A writing workshop for experienced writers of poetry. Also addresses such topics as poetry magazines, small presses, agents and editors, the submission process, and current trends in publishing. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

ENG 4317 Advanced Fiction Writing (3) Offerings

Prerequisite: ENG 3317. A writing workshop for experienced writers of fiction. Also addresses such topics as fiction magazines, publishing houses, agents and editors, the submission process, and current trends in publishing. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

ENG 4318 Advanced Creative Nonfiction (3) Offerings

Prerequisite: ENG 3318. A writing workshop for experienced writers of creative nonfiction. Also addresses such topics as literary magazines, publishing houses, agents and editors, the submission process, and current trends in publishing. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

ENG 4334 American Ethnc Lit:Special Topc (5) Offerings

Prerequisite: ENG 2253 or permission of instructor. Explores various topics pertinent to the lives and literature of ethnic Americans. Depending on topic, focus may be on Native-American, African-American, Latino/Latina or Asian-American authors. Offered alternate years. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

ENG 4425 Modern Poetry (5) Offerings

Prerequisite: ENG 2252 or 2253, or permission of instructor. Concentrates on how to read, understand, evaluate, and enjoy the work of major modern poets, including Yeats, Pound, Eliot, Stevens, Williams, and Moore. Offered alternate years.

Attributes: *Upper-Division*

ENG 4426 Contemporary Poetry (5) Offerings

Prerequisites: ENG 2252 or 2253, or permission of instructor. Considers British and American poetry from 1945 to the present. If possible, students should take ENG 4425 first. Offered alternate years.

Attributes: *Upper-Division*

ENG 4445 Shakespeare (5) Offerings

Prerequisite: ENG 2251 or permission of instructor. Considers Shakespeare's comedies, histories, tragedies, and romances while studying his art and thought in relation to the Elizabethan background.

Attributes: *Upper-Division*

ENG 4601 History of English (3) Offerings

Examines Anglo Saxon, Middle, and Modern forms of English in historical development. Includes phonology, morphology, syntax, and some discussion of the relationship of each language stage to literary expression during its era. Offered alternate years.

Attributes: *Upper-Division*

ENG 4661 The Best of C.S. Lewis (3) Offerings

Identifies basic literary, philosophical, and theological categories of Lewis' works. Studies the great themes that permeate Lewis' literature by examining his major works.

Attributes: *Upper-Division*

ENG 4685 History of Literary Theory (5) Offerings

Prerequisite: ENG 2225 or permission of instructor. Studies the major issues and schools of literary theory in terms of their historical development. The course is especially appropriate for advanced majors. It also provides a useful synthesis for those who might be considering graduate studies in English. Offered alternate years.

Attributes: *Upper-Division*

ENG 4899 Senior Capstone in English (3) Offerings

Provides senior English majors with an opportunity to gather their thoughts on faith and literature, to explore their vocations as life-long readers and writers, and to evaluate their educational experiences at SPU.

Attributes: *Upper-Division* Restrictions: *English Majors only. Senior students only.*

ENG 4900 Independent Study (1-5) Offerings

Independent Study May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

ENG 4921 Dir Readings C S Lewis Circle (1-5) Offerings

Offers directed study in the fiction and/or literary criticism of C.S. Lewis, J.R.R. Tolkien, Dorothy L. Sayers, and Charles Williams. Examples of the belles-lettres: *Till We Have Faces: A Myth Retold* (Lewis), *The Lord of the Rings* (Tolkien), *The Man Born to Be King* (Sayers), and *Descent into Hell* (Williams).

Attributes: *Upper-Division*

ENG 4922 The British Novel (5) Offerings
Surveys the history of the British novel through selected readings from the 18th century to the present day.
Attributes: *Upper-Division*

ENG 4930 English Practicum (1-5) Offerings
For advanced students who wish to assist as tutors, discussion leaders, and readers in lower-division English classes. May be repeated for credit up to 6 credits.
Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

ENG 4940 Coop Ed:English Internship (1-5) Offerings
Applies writing skills in varied employment settings; possibilities include public relations offices, newspapers, and other informational services. Students may suggest their own internships in consultation with the faculty supervisor as long as writing skills are used and other internship criteria are met. May be repeated for credit up to 6 credits.
Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

ENG 4941 Coop Ed:English Internship (1-5) Offerings
Applies writing skills in varied employment settings; possibilities include public relations offices, newspapers, and other informational services. Students may suggest their own internships in consultation with the faculty supervisor, as long as writing skills are used and other internship criteria are met. May be repeated for credit up to 6 credits.
Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

ENG 4950 Special Topics (3-5) Offerings
Topics will vary. May be repeated for credit up to 5 credits.
Attributes: *Upper-Division*

ENG 4953 Writing Workshop:Special Topics (1-5) Offerings
Offers an intensive writing experience in a small workshop setting. Genres, themes, and locations vary. May be repeated for credit up to 10 credits.
Attributes: *Upper-Division*

ENG 4970 Independent Research in English (5) Offerings
Under the direction of the English faculty, qualified students bound for postgraduate study will design and complete a senior project: either an article-length scholarly paper or a substantial creative writing project.
Attributes: *Upper-Division* Restrictions: *English Majors only. Senior students only.*

EUR 3287 Mythology in Literature (5) Offerings
Studies mythological traditions from the Near Eastern world through the classical Mediterranean to Europe, as well as material from Asia and tribal societies. Emphasis on mythic themes especially significant for European literature.
Attributes: *Arts and Humanities B, Upper-Division, Writing "W" Course*

FRE 3205 Topics in French Literature (5) Offerings
Considers themes in French literature illustrated in works chosen from different genres and periods. Taught in English but students specializing in the French program or working on a French minor will do some reading and writing assignments in French and attend one session per week conducted in French. Offered alternate years. May be repeated for credit 1 time.
Attributes: *Arts and Humanities B, Upper-Division*

GER 3206 Topics in German Lang & Lit (3-5) Offerings
Considers themes in German language and literature illustrated in works chosen from different genres and periods. May be repeated for credit 1 time.

Attributes: *Arts and Humanities B, Upper-Division*

RUS 2207 Modern Russian Culture thr Lit (5) [Offerings](#)

Focuses on Russian culture as seen through the works of such Russian writers as Mikhail Bulgakov, Viktor Pelevin, Ljudmila Petrushevskaya, and Tatyana Tolstaja. Taught in English with readings in Russian for students specializing in the Russian program or working on a Russian minor. Offered alternate years.

Attributes: *Arts and Humanities B*

SPN 4401 Topics in Spanish Literature (3,5) [Offerings](#)

Prerequisite: SPN 3101 or equivalent. Emphasis varies from quarter to quarter. Taught in Spanish and occasionally in English. Offered alternate years. May be repeated for credit 1 time.

Attributes: *Arts and Humanities B, Upper-Division*

SPN 4501 Topics in Latin American Lit (3,5) [Offerings](#)

Prerequisite: SPN 3101 or equivalent. Emphasis varies from quarter to quarter. Taught in Spanish and occasionally in English. Offered alternate years. May be repeated for credit 1 time.

Attributes: *Arts and Humanities B, Upper-Division*

ENGLISH DEPARTMENT FACULTY

Amorose, Thomas. Professor of English; B.A., Ohio State University Columbus 1972; Doctor of Philosophy, University of Washington 1978. At SPU since 1996. ([Contact Info](#))

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Winzenried, Misty Anne. Instructor of English; B.A., University of Northrn Colorado 2000. At SPU since 2005. ([Contact Info](#))

Wolfe, Gregory. Instructor of English; Writer in Residence; Director of MFA; B.A., Hillsdale College 1980; Master of Arts, Oxford University 1983. At SPU since 2000. ([Contact Info](#))

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LANGUAGES

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FACULTY: [Robert N Baah](#), [Kathryn Mary Bartholomew](#), [Michelle Beauclair](#), [Owen M Ewald](#), [Michael Hugh Macdonald](#), [Katya Nemtchinova](#), [Jeffrey Lee Stevenson](#), [Eric William Vogt](#), [Michael Joakim Ziemann](#)

There are doubtless many different languages in the world, and none is without meaning, but if I do not know the meaning of the language, I shall be a foreigner to the speaker and the speaker a foreigner to me. So with yourselves; since you are eager for manifestations of the spirit, strive to excel in building up the church. — I Corinthians 14:10-12

The Department of Foreign Languages and Literatures seeks to help students (1) understand and appreciate the rich diversity of world languages and cultures, both ancient and modern; (2) be a blessing as a stranger in another land and be hospitable to strangers in one's own land; and (3) reach stated levels of language proficiency, as defined by national standards.

High School Preparation

Three years or more of language study in high school are strongly recommended for all students entering one of the degree programs in Foreign Languages and Literatures. In addition, it is recommended to take advantage of intercultural opportunities including travel for study or missions. Superior students are encouraged to take Advanced Placement courses and exams if possible.

Placement Test

All students entering SPU having studied a foreign language are required to take the [online placement exam](#). This exam is for placement purposes only and cannot be used to satisfy the proficiency requirement.

Majors

There are three departmental degree programs: European Studies, with specializations in French, German, Latin, Russian, Spanish, Linguistics and a general Europe track; Latin American Studies/Spanish; and Classics. All programs emphasize the relationship between culture and language. The European studies majors and the Latin American Studies/Spanish major require participation in an overseas travel/study program, typically in an area where the language of specialization is spoken. All students majoring in programs involving spoken languages must take the ACTFL Oral Proficiency exam in the language(s) studied before graduation, and must write a senior paper and present it in The Symposium (formerly called the European Studies Symposium).

Applicants for a major within the Department of Foreign Languages and Literatures must have a cumulative GPA of 2.0 or higher in all college work applicable to the B.A. degree and a 2.5 GPA in 10 credits of coursework at SPU in foreign languages and literatures, linguistics, and/or European or Latin American studies.

Classics (Student-designed)

[Classics major.](#)

European Studies

The European studies major offers students a B.A. degree with the choice of one of five language programs: [French](#), [German](#), [Latin](#), [Russian](#), and [Spanish](#); of a general-studies program titled [Europe](#); or a program in [Linguistics](#). All programs focus on the language, culture, and literature of Europeans and former European colonies. Graduates in European studies follow careers in business, missions, travel, government, and education, among other fields. Students must complete all non-credited and language proficiency requirements found on the [Languages](#) department page.

All European studies majors must complete satisfactorily the following major requirements:

1. 19 credits in European studies courses (base courses).
2. Forty credits in one of the seven programs listed above; 25 of these credits must be upper-division; for the language programs a minimum of 18 upper division credits must be in courses taught in the language.

3. One quarter of study in Europe with the SPU European Quarter, or an approved alternative.
4. A senior paper that integrates learning (see below for information about The Symposium).
5. Proficiency in a second European language (other than English) equivalent to one year of college-level language study.

Latin American Studies/Spanish

[Latin American Studies major.](#)

Minors

The minimum requirement for minors within the Department of Foreign Languages and Literatures is 33 credits, of which a minimum of 15 must be upper-division. Students will take a minimum of two courses from the base requirements of the corresponding major. For spoken languages, a minimum of 7 upper-division credits must be in courses taught in that language. Students should work closely with their faculty advisors to choose appropriate courses.

Travel/Study Programs

Santiago, Chile

An intensive, three-week, 5-credit study abroad/missions trip hosted at the Fuente de Vida church in Santiago, Chile. Students participate in the ongoing ministry activities of the church, and homestay with local families. The program involves three hours of academic study of Spanish in the morning, three hours of one-on-one Spanish conversation practice with a Chilean native in the afternoon, followed by outreach and ministry-related activities in the evening.

Europe

European Quarter is held Spring Quarter of odd-numbered years. Sites vary, depending on faculty leadership, but participants meet the expectations of a quarter's study in Europe both academically, earning a minimum of 12 credits, and culturally, through in-depth contact with the language/culture connection.

Paris, France

The [Paris Study](#) program offers students the opportunity to earn 10 credits while immersing themselves in French language and culture. Intensive French courses focus on oral proficiency in common, everyday situations encountered in Paris. The program includes the study of European civilization using the museums, theaters, and historic sights of the city as our classroom. Students also participate in a weekend excursion outside of Paris.

Salamanca, Spain

[The Salamanca](#) program is a 10-credit summer program in history and language offered in collaboration with the University of Salamanca.

More information about these programs, and about overseas programs sponsored by the Council for Christian Colleges and Universities (CCCU) can be found at the [Department of Foreign Languages and Literatures](#) or at [Bestsemester](#)

The Symposium

The Symposium is a gathering of faculty and students for the presentation of academic and creative work related to foreign languages and literatures, cultural studies, and linguistics. It is held during Winter Quarter. All majors in the Department of Foreign Languages and Literatures must make a presentation in The Symposium before graduation, typically during their senior year.

EUROPEAN STUDIES: EUROPE

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The Department of Foreign Languages and Literatures seeks to help students (1) understand and appreciate the rich diversity of world languages and cultures, both ancient and modern; (2) be a blessing as a stranger in another land and be hospitable to strangers in one's own land; and (3) reach stated levels of language proficiency, as defined by national standards.

Applicants for a major within the Department of Foreign Languages and Literatures must have a cumulative GPA of 2.0 or higher in all college work applicable to the B.A. degree and a 2.5 GPA in ten credits of coursework at SPU in foreign languages and literatures, linguistics, and/or European or Latin American studies.

European Studies: Europe Major

A European Studies/Europe major requires 40 credits, 25 of which must be upper-division, in addition to the 19 base course credits. Students must complete all non-credited and language proficiency requirements found on the [Languages](#) department page.

EUROPEAN STUDIES MAJOR: EUROPE PROGRAM

51 Credits Total, Including 25 Upper Division

Suggested Course Sequence

European Studies: Base for All Majors	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	16
EUR 4254 Translation (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	16
Capstone	
Course	Credits
EUR 4899 Contemp Eur Iss & Personalities	3
SECTION CREDITS REQUIRED	3
Common Curriculum	
Course	Credits
UCOR 2000 The West and the World (5)	5
USCH 1112 Texts and Contexts II (5)	
SECTION CREDITS REQUIRED	5
Elective Courses: See faculty advisor	17
Elective courses in HIS/POL	10
TOTAL CREDITS REQUIRED	51

Additional Requirements:

Competency through 2103 required in one language
 Competency through 1103 required in a second language
 For information about additional non-credit requirements in the major,
 refer to the major's general information page in the catalog

EUROPEAN STUDIES MINOR

33 Credits Total, Including 15 Upper Division

European Studies Minor Core Requirements

Course	Credits
EUR 3500 European Civilization	5
EUR 4899 Contemp Eur Iss & Personalities	3
SECTION CREDITS REQUIRED	8
Other EUR Courses	10
Modern European Language Courses	15
TOTAL CREDITS REQUIRED	33

Additional Requirements:

For information about additional non-credit requirements in the major,
 refer to the major's general information page in the catalog

EUROPEAN STUDIES - EUROPE COURSE DESCRIPTIONS**EUR 1110 Heritage of Europe (5) [Offerings](#)**

Introduction to the culture of Europe through literature; themes of family, community, heroism, beliefs and values, and women's roles will be examined chronologically from the classical to the modern periods.

Attributes: *Arts and Humanities B*

EUR 3100 Foundations of European Art (3) [Offerings](#)

Provides a brief survey of major periods in European art and architecture beginning with significant works from the Greco-Roman period and progressing through the 20th century. It is specifically oriented toward students intending to travel in Europe.

Attributes: *Arts and Humanities A, Upper-Division*

EUR 3500 European Civilization (5) [Offerings](#)

Prerequisite: EUR 3000. Offered in Europe. Provides a cultural investigation of Europe and an on-site practicum. This course examines contemporary Europe as part of the European Quarter abroad, with special attention to a Christian perspective on the historical growth of European cultures. The language skills acquired by students are demonstrated in intensive programs of living and travel.

Attributes: *Arts and Humanities B, Upper-Division*

EUR 4254 Translation (3) [Offerings](#)

Prerequisite: Working fluency in at least one language besides English. Theory and practice of translating, with attention to accuracy and nuances of style. May be repeated for credit 1 time.

Attributes: *Upper-Division*

EUR 4899 Contemp Eur Iss & Personalities (3) [Offerings](#)

The heritage of Europe will be the framework within which contemporary European issues and personalities will be interpreted. A key component of the class is the research project that will relate to the student's language concentration and special interests. This course is designed to meet the requirements as a Senior Capstone course in European Studies.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

LIN 2100 Foundations of Language Study (5) Offerings

Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.

Attributes: *Arts and Humanities B, Media*

UCOR 2000 The West and the World (5) Offerings

Considers the question "From where have we come and where are we going?" Explores the history of interaction between the West and the world from the dawn of the modern global age (about 1500) to the present. How has Western civilization been influenced by and influenced other cultures? Key themes are ideas, inventions, and systems of interaction. The virtue of hope motivates service as the Christian response to a constantly changing world.

Restrictions: *Freshman students are excluded.*

USCH 1112 Texts and Contexts II (5) Offerings

Prerequisite: USCH 1111. Examines and discusses several texts from Medieval and Renaissance Europe in historical context, including Augustine's Confessions, Aquinas's Summa Theologica, Dante's Inferno, Shakespeare's Richard III, and Milton's Paradise Lost in order to investigate ways of knowing God, the nature of leadership, the methods of knowledge-making, and forgiveness. Open to University Scholars only.

EUROPEAN STUDIES: FRENCH

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French Faculty: Kathryn Bartholomew and Michelle Beauclair

French is one of the most widely studied and widely spoken second languages in the world. It is a primary language of communication in many European organizations, as well as in parts of Western Europe, North and West Africa, and the Caribbean. Upper-division courses leading to the European studies: French major include Francophone literatures and cultures; composition and conversation; early and modern French literature; and French arts and cinema, among others. Tutorial programs, internships and independent studies options are also available. Students seeking the major will take the required European studies base courses in addition to 40 credits in French, 25 of which must be upper-division and 18 of which must be taught in French. Students have the opportunity to complete their study-abroad requirement on the annual summer SPU [Paris Study](#) program, on the SPU European Quarter, or on an approved alternative program.

French Program Requirements

Michelle Beauclair, Contact Person

Requirements for the Major

A European studies major/French program requires 40 credits, of which 25 must be upper-division, in addition to the 19–21 base-course credits and the other major requirements listed above. A minimum of 18 upper-division credits must be in courses taught in French.

Students must complete all non-credited and language proficiency requirements found on the [Languages](#) department page.

Requirements for the French Studies Minor

The minimum requirement for a minor in French studies is 33 credits, of which a minimum of 15 must be upper-division. Each student who minors in French studies will complete two courses from courses with a European studies prefix and a minimum of 25 credits from the French course offerings. A minimum of 7 upper-division credits must be in courses taught in French.

EUROPEAN STUDIES MAJOR: FRENCH PROGRAM

59 Credits Total, Including 25 Upper Division

Suggested Course Sequence

European Studies: Base for all Majors	
Course	Credits
EUR 1110 Heritage of Europe (5)	16
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	
EUR 4254 Translation (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	16
Capstone	
Course	Credits
EUR 4899 Contemp Eur Iss & Personalities	3
SECTION CREDITS REQUIRED	3

European Studies French Courses:	
Course	Credits
FRE 1101 Elementary French I (5)	
FRE 1102 Elementary French II (5)	
FRE 1103 Elementary French III (5)	
FRE 2100 Intermediate French (1-5)	
FRE 2101 Niveau Intermediaire (5)	
FRE 2102 Niveau Intermediaire (5)	
FRE 2103 Niveau Intermediaire (5)	
FRE 3100 Advanced French (1-5)	
FRE 3105 Composition Conversation (3)	40
FRE 3205 Topics in French Literature (5)	
FRE 3250 La France et le Monde (3)	
FRE 3260 Les Arts Francais (3)	
FRE 4460 La Lit:Moyen Age au 18e Siecle (3)	
FRE 4461 La Litterature:19e-20e Siecles (3)	
FRE 4920 Independent Readings in French (1-5)	
FRE 4930 French Tutorial Practicum (1-6)	
FRE 4940 Internship (1-10)	
SECTION CREDITS REQUIRED	40
TOTAL CREDITS REQUIRED	59

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

FRENCH MINOR

33 Credits Total, Including 15 Upper Division

European Studies Courses	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	8
EUR 4254 Translation (3)	
EUR 4899 Contemp Eur Iss & Personalities (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	8
French courses	25
TOTAL CREDITS REQUIRED	33

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EUROPEAN STUDIES - FRENCH COURSE DESCRIPTIONS

EUR 1110 Heritage of Europe (5) [Offerings](#)

Introduction to the culture of Europe through literature; themes of family, community, heroism, beliefs and values, and women's roles will be examined chronologically from the classical to the modern periods.

Attributes: *Arts and Humanities B*

EUR 3100 Foundations of European Art (3) [Offerings](#)

Provides a brief survey of major periods in European art and architecture beginning with significant works from the Greco-Roman period and progressing through the 20th century. It is specifically oriented toward students intending to travel in Europe.

Attributes: *Arts and Humanities A, Upper-Division*

EUR 3500 European Civilization (5) [Offerings](#)

Prerequisite: EUR 3000. Offered in Europe. Provides a cultural investigation of Europe and an on-site practicum. This course examines contemporary Europe as part of the European Quarter abroad, with special attention to a Christian perspective on the historical growth of European cultures. The language skills acquired by students are demonstrated in intensive programs of living and travel.

Attributes: *Arts and Humanities B, Upper-Division*

EUR 4254 Translation (3) [Offerings](#)

Prerequisite: Working fluency in at least one language besides English. Theory and practice of translating, with attention to accuracy and nuances of style. May be repeated for credit 1 time.

Attributes: *Upper-Division*

EUR 4899 Contemp Eur Iss & Personalities (3) [Offerings](#)

The heritage of Europe will be the framework within which contemporary European issues and personalities will be interpreted. A key component of the class is the research project that will relate to the student's language concentration and special interests. This course is designed to meet the requirements as a Senior Capstone course in European Studies.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FRE 1101 Elementary French I (5) [Offerings](#)

Builds proficiency in the four basic skills: understanding, speaking, reading, and writing in the French language. Investigates French culture and its relationship to the language.

Attributes: *Foreign Language Comp*

FRE 1102 Elementary French II (5) [Offerings](#)

Prerequisite: FRE 1101 or permission of instructor. Builds proficiency in the four basic skills: understanding, speaking, reading, and writing in the French language. Investigates French culture and its relationship to the language.

Attributes: *Foreign Language Comp*

FRE 1103 Elementary French III (5) [Offerings](#)

Prerequisite: FRE 1102 or permission of instructor. Builds proficiency in the four basic skills: understanding, speaking, reading, and writing in the French language. Investigates French culture and its relationship to the language.

Attributes: *Foreign Language Comp*

FRE 2100 Intermediate French (1-5) [Offerings](#)

Intermediate French in Paris Study Abroad program or in European Quarter. May be repeated for credit up to 5 credits.

<p>FRE 2101 Niveau Intermediaire (5) Offerings</p> <p>Prerequisite: FRE 1103 or equivalent (i.e., three years of French in high school). Reviews French language structure; emphasizes progress toward communicative competence and growth in understanding and appreciating the cultures of the Francophone world; introduces French literature.</p> <p><u>Attributes:</u> <i>Arts and Humanities B</i></p>
<p>FRE 2102 Niveau Intermediaire (5) Offerings</p> <p>Prerequisite: FRE 1103 or 2101, or permission of instructor. Continues review of French language structure; emphasizes progress toward communicative competence and growth in understanding and appreciating the cultures of the Francophone world; introduces French literature.</p> <p><u>Attributes:</u> <i>Arts and Humanities B</i></p>
<p>FRE 2103 Niveau Intermediaire (5) Offerings</p> <p>Prerequisite: FRE 1103 or equivalent (i.e., three years of French in high school). Continues review of French language structure; emphasizes progress toward communicative competence and growth in understanding and appreciating the cultures of the Francophone world; introduces French literature.</p> <p><u>Attributes:</u> <i>Arts and Humanities B</i></p>
<p>FRE 3100 Advanced French (1-5) Offerings</p> <p>Advanced French in Paris Study Abroad program or in European Quarter. May be repeated for credit up to 5 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>FRE 3105 Composition Conversation (3) Offerings</p> <p>Focuses on writing as a process through compositions of various types (e.g., description, narration, summary, and review of books, movies, and plays). Uses French as the language for research, lecture, and discussion. Offered alternate years. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Arts and Humanities B, Upper-Division</i></p>
<p>FRE 3205 Topics in French Literature (5) Offerings</p> <p>Considers themes in French literature illustrated in works chosen from different genres and periods. Taught in English but students specializing in the French program or working on a French minor will do some reading and writing assignments in French and attend one session per week conducted in French. Offered alternate years. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Arts and Humanities B, Upper-Division</i></p>
<p>FRE 3250 La France et le Monde (3) Offerings</p> <p>Considers how France views Europe and the world and its role therein. Directs special attention to the linguistic and cultural values inherent in French life and action. Uses French as the language for research, lecture, and discussion. Offered alternate years. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>FRE 3260 Les Arts Francais (3) Offerings</p> <p>Explores painting, sculpture, architecture, music, cinema, and theatre in France with the intent of bringing out the interaction of these arts with each other, history, and language. Uses French as the language for research, lecture, and discussion. Offered alternate years. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>FRE 4460 La Lit:Moyen Age au 18e Siecle (3) Offerings</p> <p>Presents landmark works in French literature from the Middle Ages to the French Revolution. Includes consideration of genres, themes, and social/historical backgrounds of the selections studied. Uses French as the language for research, lecture, and discussion. Offered alternate years. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>

FRE 4461 La Litterature:19e-20e Siecles (3) [Offerings](#)

Examines important works by French authors of the 19th and 20th centuries in the context of literary and philosophical movements. Pays close attention to the effect of historical events and cultural changes on the evolution of values. Uses French as the language of research, lecture, and discussion. Offered alternate years. May be repeated for credit 1 time.

Attributes: *Upper-Division*

FRE 4920 Independent Readings in French (1-5) [Offerings](#)

Independent Readings in French May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

FRE 4930 French Tutorial Practicum (1-6) [Offerings](#)

For advanced students who wish to assist as discussion leaders and readers in 1000-level French classes. May be repeated for credit up to 6 credits.

Attributes: *Upper-Division*

FRE 4940 Internship (1-10) [Offerings](#)

Applies the skills needed to communicate in French in varied employment settings. Students may suggest their own internships in consultation with the faculty supervisor as long as use of the target language is part of the employment situation and other internship criteria are met. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

LIN 2100 Foundations of Language Study (5) [Offerings](#)

Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.

Attributes: *Arts and Humanities B, Media*

EUROPEAN STUDIES: GERMAN

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German Faculty: Mike Macdonald and Michael Ziemann

German Program Requirements

Michael Ziemann, Contact Person

German is a primary language of communication in all European organizations such as the Council of Europe, the European Parliament, the European Central Bank, EuroCorps, and the European Space Agency, as well as in Germany, Austria, Lichtenstein, and Switzerland. Many religious communities around the globe cherish their German heritage and preserve the language. Courses leading to a European studies/German major at SPU include special topics designed for lower-division German language student, including Business German and Culture and Civilization. Upper-division course subjects vary each year and may include 100 Years of German Film, German Women's Literature, as well as a variety of topics in German literatures and cultures. Tutorials, internships, and independent studies options are also available.

Students seeking the major will take the required European studies base courses in addition to 40 credits in German; 25 of which must be upper-division and 18 of which must be taught in German. Students have the opportunity to complete their study abroad requirement on the SPU European Quarter, or on an approved alternative program.

Requirements for the Major

A European studies major/German program requires 40 credits, of which 25 must be upper-division, in addition to the 19 base course credits and the other major requirements listed above. A minimum of 18 upper-division credits must be in courses taught in German. Students must complete all non-credited and language proficiency requirements found on the [Languages](#) department page.

Requirements for the German Studies Minor

The minimum requirement for a minor in German studies is 33 credits, of which a minimum of 15 must be upper-division. Each student who minors in German studies will complete two courses in courses with a European studies prefix and a minimum of 25 credits from the German course offerings. A minimum of 7 upper-division credits must be in courses taught in German. HIS 1202 Modern Europe (5) can be included in the total credits

EUROPEAN STUDIES MAJOR: GERMAN PROGRAM

59 Credits Total, Including 25 Upper Division

Suggested Course Sequence

European Studies: Base for All Majors	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	16
EUR 4254 Translation (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	16

Capstone	
Course	Credits
EUR 4899 Contemp Eur Iss & Personalities	3
SECTION CREDITS REQUIRED	3
German Courses	
Course	Credits
GER 1100 Elementary German (1-5)	
GER 1101 Elementary German I (5)	
GER 1102 Elementary German II (5)	
GER 1103 Elementary German III (5)	
GER 2100 Intermediate German (1-5)	
GER 2101 Intermediate German I (5)	
GER 2102 Intermediate German II (5)	
GER 2103 Intermediate German III (5)	40
GER 3100 Advanced German (1-2)	
GER 3206 Topics in German Lang & Lit (5)	
GER 3260 German Culture (5)	
GER 4470 Special Studies in German (5)	
GER 4920 Independent Readings (1-5)	
GER 4930 German Tutorial Practicum (1-6)	
GER 4940 Coop Ed:German Internship (1-10)	
SECTION CREDITS REQUIRED	40
TOTAL CREDITS REQUIRED	59

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

GERMAN STUDIES MINOR

33 Credits Total, Including 15 Upper Division

European Studies Courses	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	
EUR 4254 Translation (3)	8
EUR 4899 Contemp Eur Iss & Personalities (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	8
German Courses	25
TOTAL CREDITS REQUIRED	33

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EUROPEAN STUDIES - GERMAN COURSE DESCRIPTIONS

EUR 1110 Heritage of Europe (5) [Offerings](#)

Introduction to the culture of Europe through literature; themes of family, community, heroism, beliefs and values, and women's roles will be examined chronologically from the classical to the modern periods.

Attributes: *Arts and Humanities B*

EUR 3100 Foundations of European Art (3) [Offerings](#)

Provides a brief survey of major periods in European art and architecture beginning with significant works from the Greco-Roman period and progressing through the 20th century. It is specifically oriented toward students intending to travel in Europe.

Attributes: *Arts and Humanities A, Upper-Division*

EUR 3500 European Civilization (5) [Offerings](#)

Prerequisite: EUR 3000. Offered in Europe. Provides a cultural investigation of Europe and an on-site practicum. This course examines contemporary Europe as part of the European Quarter abroad, with special attention to a Christian perspective on the historical growth of European cultures. The language skills acquired by students are demonstrated in intensive programs of living and travel.

Attributes: *Arts and Humanities B, Upper-Division*

EUR 4254 Translation (3) [Offerings](#)

Prerequisite: Working fluency in at least one language besides English. Theory and practice of translating, with attention to accuracy and nuances of style. May be repeated for credit 1 time.

Attributes: *Upper-Division*

EUR 4899 Contemp Eur Iss & Personalities (3) [Offerings](#)

The heritage of Europe will be the framework within which contemporary European issues and personalities will be interpreted. A key component of the class is the research project that will relate to the student's language concentration and special interests. This course is designed to meet the requirements as a Senior Capstone course in European Studies.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

GER 1100 Elementary German (1-5) [Offerings](#)

European Quarter or Germany Study Abroad program. Designed for students who have never studied German, this course will focus on vocabulary and structures needed for basic communication.

GER 1101 Elementary German I (5) [Offerings](#)

Builds proficiency in the four basic skills: understanding, speaking, reading, and writing in the German language. Investigates German culture and its relationship to the language.

Attributes: *Foreign Language Comp*

GER 1102 Elementary German II (5) [Offerings](#)

Prerequisite: GER 1101 or permission of instructor. Builds proficiency in the four basic skills: understanding, speaking, reading, and writing in the German language. Investigates German culture and its relationship to the language.

Attributes: *Foreign Language Comp*

GER 1103 Elementary German III (5) [Offerings](#)

Prerequisite: GER 1102 or permission of instructor. Builds proficiency in the four basic skills: understanding, speaking, reading, and writing in the German language. Investigates German culture and its relationship to the language.

Attributes: *Foreign Language Comp*

GER 2100 Intermediate German (1-5) [Offerings](#)

European Quarter or Germany Study Abroad program only. Designed for students having studied some German, this course continues the study of vocabulary and structures needed for basic communication.

GER 2101 Intermediate German I (5) [Offerings](#)

Prerequisite: GER 1103 or equivalent (i.e., three years of German in high school). Investigates the practical aspects of German for everyday use. Includes review of German language structure supporting the readings.

Attributes: *Arts and Humanities B*

GER 2102 Intermediate German II (5) [Offerings](#)

Prerequisite: GER 1103 or equivalent (i.e., three years of German in high school). Investigates the practical applications of German for professional use. Includes review of German language structure supporting the readings. Not taught every year.

Attributes: *Arts and Humanities B*

GER 2103 Intermediate German III (5) [Offerings](#)

Prerequisite: GER 1103 or equivalent (i.e., three years of German in high school). Focuses on the linguistic and cultural knowledge necessary for conducting business in German-speaking environments. Includes review of German language structure supporting the readings. Not taught every year.

Attributes: *Arts and Humanities B*

GER 3100 Advanced German (1-2) [Offerings](#)

European Quarter or German Study Abroad program only. May be repeated for credit up to 2 credits.

Attributes: *Upper-Division*

GER 3206 Topics in German Lang & Lit (5) [Offerings](#)

Considers themes in German language and literature illustrated in works chosen from different genres and periods. May be repeated for credit 1 time.

Attributes: *Arts and Humanities B, Upper-Division*

GER 3260 German Culture (5) [Offerings](#)

Explores painting, sculpture, architecture, music, theater, and film in Germany with the intention of bringing out the interaction of these arts with each other, history, and language. Taught in English but students specializing in the German program or working on a German minor will do some reading and writing assignments in German. Sessions for speaking in German will also be scheduled. Not taught every year. May be repeated for credit 1 time.

Attributes: *Upper-Division*

GER 4470 Special Studies in German (5) [Offerings](#)

Focuses on different topics relating to the language and culture of Germany. Taught in English but students specializing in the German program or working on a German minor will do some reading and writing assignments in German. Sessions for speaking in German will also be scheduled. Not taught every year. May be repeated for credit 1 time.

Attributes: *Upper-Division*

GER 4920 Independent Readings (1-5) [Offerings](#)

Independent Readings May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

GER 4930 German Tutorial Practicum (1-6) [Offerings](#)

For advanced students who wish to assist as discussion leaders and readers in 1000-level German classes. May be repeated for credit up to 6 credits.

Attributes: *Upper-Division*

GER 4940 Coop Ed:German Internship (1-10) [Offerings](#)

Applies the skills needed to communicate in German in varied employment settings. Students may suggest their own internships in consultation with the faculty supervisor as long as use of the target language is part of the employment situation and other internship criteria are met. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

LIN 2100 Foundations of Language Study (5) [Offerings](#)

Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.

Attributes: *Arts and Humanities B, Media*

EUROPEAN STUDIES: LATIN

Marston Hall
206-281-2036
www.spu.edu/depts/fil

FACULTY: [Robert N Baah](#), [Kathryn Mary Bartholomew](#), [Michelle Beauclair](#), [Owen M Ewald](#), [Michael Hugh Macdonald](#), [Katya Nemtchinova](#), [Jeffrey Lee Stevenson](#), [Eric William Vogt](#), [Michael Joakim Ziemann](#)

Latin Faculty: Owen Ewald

Latin was the language of Western Europe — its literature, its science, its philosophy, and its theology — for a millennium and a half. Majoring in European Studies: Latin brings students back to the ancient roots of Western culture in order to understand how we arrived where we are. Based on in-depth language study, an approved study-abroad program, The Symposium (formerly called the European Studies Symposium) presentation, and the European studies Capstone, this major gives insight into the similarities and differences among the Roman Empire, the mediaeval Latin West, and the modern European Union.

Latin Program Requirements

Owen Ewald, Contact Person

Requirements for the Major

A European studies major/Latin program requires 40 credits, of which 25 must be upper-division, in addition to the 19 base-course credits and the other major requirements listed above. A minimum of 9 credits must be in upper-division Latin readings. CLA 3104, CLA 3170, and CLA 3204 are required and can be included in the total number of credits.

Students must complete all non-credited and language proficiency requirements found on the [Languages](#) department page.

Requirements for the Latin Studies Minor

The minimum requirement for a minor in Latin* studies is 33 credits, of which a minimum of 15 must be upper-division (e.g., CLA 3204; EUR 3500, EUR 4250; LAT 4920). Each student who minors in Latin studies will complete two courses from base requirements for the European studies major and a minimum of 20 credits from the Latin course offerings.

Note: Elementary Latin is taught in alternate years.

EUROPEAN STUDIES MAJOR: LATIN PROGRAM

59 Credits Total, Including 25 Upper Division

Suggested Course Sequence

European Studies: Base for all Majors	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	16
EUR 4254 Translation (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	16

Capstone	
Course	Credits
EUR 4899 Contemp Eur Iss & Personalities	3
SECTION CREDITS REQUIRED	3
Independent Readings	
Course	Credits
LAT 4920 Indpndnt Readngs Classical Lat	1-5
SECTION CREDITS REQUIRED	9
Required Courses:	
Course	Credits
CLA 3104 Survey Ancient Greek Lit (5)	
CLA 3170 Classical Civilization (5)	
CLA 3204 Survey of Classical Latin Lit (5)	
HIS 3170 Classical Civilization (5)	
LAT 1101 Elementary Latin I (5)	31
LAT 1102 Elementary Latin II (5)	
LAT 1103 Elementary Latin III (5)	
LAT 2204 Latin Grammar Review (3)	
LAT 4930 Latin Tutorial Practicum (9)	
LAT 4970 Directed Readings & Research (1-5)	
SECTION CREDITS REQUIRED	31
TOTAL CREDITS REQUIRED	59

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

LATIN STUDIES MINOR

33 Credits Total, Including 15 Upper Division

Two courses from European Studies Base	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	8
EUR 4899 Contemp Eur Iss & Personalities (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	8
Latin Courses	
Course	Credits
CLA 3170 Classical Civilization (5)	
CLA 3204 Survey of Classical Latin Lit (5)	
LAT 1101 Elementary Latin I (5)	
LAT 1102 Elementary Latin II (5)	
LAT 1103 Elementary Latin III (5)	25
LAT 2204 Latin Grammar Review (3)	
LAT 4920 Indpndnt Readngs Classical Lat (1-5)	
LAT 4930 Latin Tutorial Practicum (1-6)	
LAT 4970 Directed Readings & Research (1-5)	

SECTION CREDITS REQUIRED	25
TOTAL CREDITS REQUIRED	33

Additional Requirements:	
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog	

EUROPEAN STUDIES - LATIN COURSE DESCRIPTIONS

CLA 3104 Survey Ancient Greek Lit (5) Offerings
Surveys the chronological development of Greek poetry and prose in its social context. Enables the student to appreciate great literary works of continuing inspiration to European writers, with special emphasis on literary analysis. Taught in English. Offered alternate years.
<u>Attributes:</u> Arts and Humanities B, Upper-Division
CLA 3170 Classical Civilization (5) Offerings
Explores history, literature, and society of classical Greece and Rome stressing contributions to modern Western civilization.
<u>Attributes:</u> Arts and Humanities B, Upper-Division
CLA 3204 Survey of Classical Latin Lit (5) Offerings
Surveys the chronological development of Latin poetry and prose in its social context. Enables the student to appreciate great literary works of continuing inspiration to European writers. Special emphasis on literary themes and influence. Taught in English. Offered alternate years.
<u>Attributes:</u> Arts and Humanities B, Upper-Division, Writing "W" Course
ESL 0057 College Course Observation () Offerings
Students audit one of several pre-selected SPU courses (all 5 credits) accompanied by IELI instructor.
ESL 0058 Course Observation Review (2,4) Offerings
Students review lecture and text presented in audit course through ESL 0057 (both are taken together) and develop academic study skills. May be repeated for credit up to 8 credits.
ESL 0064 Oral Communication (4) Offerings
Develops presentation, listening, interpersonal and pronunciation skills necessary for active participation in the college classroom.
ESL 0070 Special Topics in ESL (1-4) Offerings
Special Topics in ESL May be repeated for credit up to 8 credits.
ESL 0072 Intermediate Reading/Writing (4) Offerings
Intermediate Reading/Writing
ESL 0073 Intermediate Grammar/Commnctn (4) Offerings
Intermediate Grammar/Commnctn

ESL 0075 Advanced Reading/Writing (4) [Offerings](#)

Advanced Reading/Writing

ESL 1000 ESL Conference Writing (4) [Offerings](#)

Helps non-native speakers of English to improve their writing through group instruction and one-on-one conferencing. Emphasis is placed on standard English structure, sophistication of vocabulary and writing style, and self-editing skills. May be repeated for credit up to 10 credits.

ESL 1020 Oral Com for Non-Native Speakr (1-4) [Offerings](#)

Develops presentation, listening, interpersonal and pronunciation skills necessary for active participation in the college classroom. Credit in this course is not applicable to the major specialty in communication.

ESL 1030 ESL Skills Development (1-5) [Offerings](#)

Prerequisite: ESL 0041 and 0042 or equivalent. May be repeated for credit up to 10 credits.

EUR 1110 Heritage of Europe (5) [Offerings](#)

Introduction to the culture of Europe through literature; themes of family, community, heroism, beliefs and values, and women's roles will be examined chronologically from the classical to the modern periods.

Attributes: *Arts and Humanities B*

EUR 3100 Foundations of European Art (3) [Offerings](#)

Provides a brief survey of major periods in European art and architecture beginning with significant works from the Greco-Roman period and progressing through the 20th century. It is specifically oriented toward students intending to travel in Europe.

Attributes: *Arts and Humanities A, Upper-Division*

EUR 3500 European Civilization (5) [Offerings](#)

Prerequisite: EUR 3000. Offered in Europe. Provides a cultural investigation of Europe and an on-site practicum. This course examines contemporary Europe as part of the European Quarter abroad, with special attention to a Christian perspective on the historical growth of European cultures. The language skills acquired by students are demonstrated in intensive programs of living and travel.

Attributes: *Arts and Humanities B, Upper-Division*

EUR 4254 Translation (3) [Offerings](#)

Prerequisite: Working fluency in at least one language besides English. Theory and practice of translating, with attention to accuracy and nuances of style. May be repeated for credit 1 time.

Attributes: *Upper-Division*

EUR 4899 Contemp Eur Iss & Personalities (3) [Offerings](#)

The heritage of Europe will be the framework within which contemporary European issues and personalities will be interpreted. A key component of the class is the research project that will relate to the student's language concentration and special interests. This course is designed to meet the requirements as a Senior Capstone course in European Studies.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

HIS 3170 Classical Civilization (5) [Offerings](#)

Explores history, literature, and society of classical Greece and Rome, stressing contributions to modern Western civilization.

Attributes: <i>Arts and Humanities B, Upper-Division</i>
LAT 1101 Elementary Latin I (5) Offerings
Studies the essentials of classical Latin grammar to build comprehension in reading and writing elementary Latin. The LAT 1101, 1102, and 1103 sequence is offered alternate years.
Attributes: <i>Foreign Language Comp</i>
LAT 1102 Elementary Latin II (5) Offerings
Prerequisite: LAT 1101 or permission of instructor. Continues the study in the essentials of classical Latin grammar and syntax.
Attributes: <i>Foreign Language Comp</i>
LAT 1103 Elementary Latin III (5) Offerings
Prerequisite: LAT 1102 or permission of instructor. Continues the study of classical Latin through reading to provide a basis for future work in the language; emphasizes translation.
Attributes: <i>Foreign Language Comp</i>
LAT 2204 Latin Grammar Review (3) Offerings
Prerequisite: LAT 1103 or permission of instructor. Provides intensive review of composition and syntax necessary for all advanced work in Latin. Offered alternate years.
LAT 4920 Independent Readings Classical Lat (1-5) Offerings
Prerequisite: LAT 2204. May be repeated for credit up to 15 credits.
Attributes: <i>Arts and Humanities B, Upper-Division</i>
LAT 4930 Latin Tutorial Practicum (1-6) Offerings
For advanced students who wish to assist as discussion leaders and readers in 1000-level Latin classes. May be repeated for credit up to 6 credits.
Attributes: <i>Upper-Division</i>
LAT 4930 Latin Tutorial Practicum (9) Offerings
For advanced students who wish to assist as discussion leaders and readers in 1000-level Latin classes. May be repeated for credit up to 6 credits.
Attributes: <i>Upper-Division</i>
LAT 4970 Directed Readings & Research (1-5) Offerings
Prerequisite: LAT 4920. May be repeated for credit up to 10 credits.
Attributes: <i>Upper-Division</i>
LIN 2100 Foundations of Language Study (5) Offerings
Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.
Attributes: <i>Arts and Humanities B, Media</i>

EUROPEAN STUDIES: LINGUISTICS

Marston Hall
 (206) 281-2036
www.spu.edu/depts/fil

FACULTY: [Robert N Baah](#), [Kathryn Mary Bartholomew](#), [Michelle Beauclair](#), [Owen M Ewald](#), [Michael Hugh Macdonald](#), [Katya Nemtchinova](#), [Jeffrey Lee Stevenson](#), [Eric William Vogt](#), [Michael Joakim Ziemann](#)
Linguistics Faculty: Kathryn Bartholomew, Katya Nemtchinova, Jeffrey Stevenson and Michael Ziemann

The study of linguistics focuses on the nature of language itself and on human beings as creators and users of language. It explores systems of sound and meaning; phrase and sentence structure; linguistic diversity; both first- and second-language acquisition; and language change over time. Students of linguistics generally prepare themselves to enter professional fields such as translation, teaching, and linguistic research.

Linguistics Program Requirements
 Kathryn Bartholomew, Contact Person

Requirements for the Major

Minimum competency through the second year sequence of a European language is required. Students must complete all non-credited and language proficiency requirements found on the [Languages](#) department page.

EUROPEAN STUDIES LINGUISTICS PROGRAM

59 Credits Total, Including 25 Upper Division

Suggested Course Sequence

European Studies: Base for all Majors	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	16
EUR 4254 Translation (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	16
Capstone	
Course	Credits
EUR 4899 Contemp Eur Iss & Personalities	3
SECTION CREDITS REQUIRED	3
Requirements: Linguistics Major	
Course	Credits
CLA 3170 Classical Civilization (5)	10
LIN 4145 Phonology (5)	
LIN 4150 Morphology (5)	
LIN 4200 Second Language Acquisition (3)	
LIN 4300 Historical Linguistics (3)	
LIN 4365 Methodologies Foreign Lng Tchg (5)	
LIN 4400 Comparative Syntax (3)	3
LIN 4410 Syntax (5)	
LIN 4601 History of the English Lang (3)	
LIN 4900 Independent Study (1-5)	
LIN 4920 Directed Readings (1-10)	

LIN 4930 Tutorial Practicum (1-5)	
SECTION CREDITS REQUIRED	40
TOTAL CREDITS REQUIRED	59

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

LINGUISTICS MINOR

33 Credits Total, Including 15 Upper Division

Linguistics Minor Courses	
Course	Credits
EUR 4254 Translation (3)	
LIN 2100 Foundations of Language Study (5)	
LIN 4145 Phonology (5)	
LIN 4150 Morphology (5)	
LIN 4300 Historical Linguistics (3)	33
LIN 4365 Methodologies Foreign Lng Tchg (5)	
LIN 4400 Comparative Syntax (3)	
LIN 4410 Syntax (5)	
LIN 4601 History of the English Lang (3)	
SECTION CREDITS REQUIRED	33
TOTAL CREDITS REQUIRED	33

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EUROPEAN STUDIES - LINGUISTICS COURSE DESCRIPTIONS

CLA 3170 Classical Civilization (5) Offerings
Explores history, literature, and society of classical Greece and Rome stressing contributions to modern Western civilization.
<u>Attributes:</u> <i>Arts and Humanities B, Upper-Division</i>
EUR 1110 Heritage of Europe (5) Offerings
Introduction to the culture of Europe through literature; themes of family, community, heroism, beliefs and values, and women's roles will be examined chronologically from the classical to the modern periods.
<u>Attributes:</u> <i>Arts and Humanities B</i>
EUR 3100 Foundations of European Art (3) Offerings
Provides a brief survey of major periods in European art and architecture beginning with significant works from the Greco-Roman period and progressing through the 20th century. It is specifically oriented toward students intending to travel in Europe.
<u>Attributes:</u> <i>Arts and Humanities A, Upper-Division</i>
EUR 3500 European Civilization (5) Offerings
Prerequisite: EUR 3000. Offered in Europe. Provides a cultural investigation of Europe and an on-site

practicum. This course examines contemporary Europe as part of the European Quarter abroad, with special attention to a Christian perspective on the historical growth of European cultures. The language skills acquired by students are demonstrated in intensive programs of living and travel.

Attributes: *Arts and Humanities B, Upper-Division*

EUR 4254 Translation (3) Offerings

Prerequisite: Working fluency in at least one language besides English. Theory and practice of translating, with attention to accuracy and nuances of style. May be repeated for credit 1 time.

Attributes: *Upper-Division*

EUR 4899 Contemp Eur Iss & Personalities (3) Offerings

The heritage of Europe will be the framework within which contemporary European issues and personalities will be interpreted. A key component of the class is the research project that will relate to the student's language concentration and special interests. This course is designed to meet the requirements as a Senior Capstone course in European Studies.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

LIN 2100 Foundations of Language Study (5) Offerings

Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.

Attributes: *Arts and Humanities B, Media*

LIN 4145 Phonology (5) Offerings

Prerequisite: LIN 2100. A thorough study of sound systems and processes, with problem-solving experience in the analysis of English and other languages.

Attributes: *Upper-Division*

LIN 4150 Morphology (5) Offerings

Prerequisite: LIN 2100. A thorough study of word structures and processes, with problem-solving experience in the analysis of English and other languages.

Attributes: *Upper-Division*

LIN 4200 Second Language Acquisition (3) Offerings

Prerequisite: LIN 2100. Presents an intensive study of the research literature so that students will become familiar with recent findings on the acquisition of a second language and with the research process.

Attributes: *Upper-Division*

LIN 4300 Historical Linguistics (3) Offerings

Prerequisite: LIN 2100. Studies the nature of language change, illustrated by the history of the Indo-European language family, especially English. A diachronic study of phonology, morphology, and syntax is made, with emphasis on reconstructed Indo-European, classical texts and modern European diversity. Offered alternate years.

Attributes: *Upper-Division*

LIN 4365 Methodologies Foreign Lng Tchg (5) Offerings

Prerequisite: LIN 2100. An overview of the theoretical paradigms of second language learning and teaching; definition and evaluation of communicative competence; strategies for teaching skills of listening, speaking, reading, and writing; selection and development of instructional materials.

Attributes: *Upper-Division*

LIN 4400 Comparative Syntax (3) Offerings

Prerequisite: LIN 2100 or permission of instructor. Provides an intensive investigation into non-English

sentence structures. Basic rule making and rule testing are examined in a variety of languages. Not offered every year.

Attributes: *Upper-Division*

LIN 4410 Syntax (5) Offerings

Prerequisite: LIN 2100. Provides an intensive investigation into contemporary English sentence structures through the application of current syntactic theory. Basic rule making and rule testing are examined in English.

Attributes: *Upper-Division*

LIN 4601 History of the English Lang (3) Offerings

Examines Anglo-Saxon, Middle, and modern forms of English in historical development and individual language systems. Includes phonology, morphology, syntax, and some discussion of the relationships of each language stage to literary expression during its era. Offered alternate years.

Attributes: *Upper-Division*

LIN 4900 Independent Study (1-5) Offerings

Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division*

LIN 4920 Directed Readings (1-10) Offerings

Directed Readings May be repeated for credit up to 10 credits.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

LIN 4930 Tutorial Practicum (1-5) Offerings

Tutorial Practicum May be repeated for credit up to 5 credits.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

EUROPEAN STUDIES: RUSSIAN

Marston Hall
206-281-2036
www.spu.edu/depts/fll

FACULTY: [Robert N Baah](#), [Kathryn Mary Bartholomew](#), [Michelle Beauclair](#), [Owen M Ewald](#), [Michael Hugh Macdonald](#), [Katya Nemtchinova](#), [Jeffrey Lee Stevenson](#), [Eric William Vogt](#), [Michael Joakim Ziemann](#)

Russian Faculty: Katya Nemtchinova

Russian is the first language of over 150 million people worldwide. It is spoken in Russia, the former Soviet Union, and in many communities in North America. A major in Russian consists of 19 base credits as well as 40 credits in Russian, 25 of which must be upper division. In addition to beginning and intermediate Russian courses offered alternate years, students are strongly encouraged to participate in the CCCU Russian Study program or any other accredited study-abroad program to accumulate the required number of credits and to expand their knowledge of the language and country. A course in modern Russian literature and culture as well as independent study options are also available. Studying Russian language and culture is an intellectually stimulating and enriching experience that can lead to an exciting career in travel, business, commerce, and governmental and non-governmental organizations.

Russian Program Requirements

Katya Nemtchinova, Contact Person

Requirements for the Major

A European studies major/Russian program requires 40 credits, of which 25 must be upper-division, in addition to the 19 base-course credits and the other major requirements listed above. In addition, majors must take HIS 3345 Modern Russia (5). Students must complete all non-credited and language proficiency requirements found on the [Languages](#) department page.

Since a limited number of courses in Russian are offered each year, majors will need to work closely with the contact person in order to fulfill the required number of credits.

Requirements for the Russian Studies Minor

The minimum requirement for a minor in Russian studies is 33 credits, of which a minimum of 15 must be upper division. Each student must complete two courses from courses with a European studies prefix and at least 25 credits from the Russian course offerings.

EUROPEAN STUDIES MAJOR: RUSSIAN PROGRAM

59 Credits Total, Including 25 Upper Division

Suggested Course Sequence

European Studies: Base for all Majors	
Course	Credits
EUR 1110 Heritage of Europe (5)	16
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	
EUR 4254 Translation (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	16
Capstone	
Course	Credits
EUR 4899 Contemp Eur Iss & Personalities	3
SECTION CREDITS REQUIRED	3

Russian Courses	
Course	Credits
HIS 3345 Modern Russia	5
RUS 2100 Beginning Russian I (5)	
RUS 2105 Beginning Russian II (5)	
RUS 2106 Beginning Russian III (5)	
RUS 2207 Modern Russian Culture thr Lit (5)	
RUS 3100 Intermediate Russian (5)	5
RUS 3920 Ind Rdngs:Intermediate Russian (5)	
RUS 4920 Ind Rdngs:Advanced Russian (1-5)	
RUS 4930 Russian:Tutorial Practicum (1-6)	
RUS 4940 Coop Ed:Russian Internship (1-10)	
SECTION CREDITS REQUIRED	40
TOTAL CREDITS REQUIRED	59

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

RUSSIAN STUDIES MINOR

33 Credits Total, Including 15 Upper Division

European Studies Courses	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	8
EUR 4254 Translation (3)	
EUR 4899 Contemp Eur Iss & Personalities (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	8
Russian Studies Minor	
Course	Credits
RUS 1100 Elementary Russian (1-2)	
RUS 2100 Beginning Russian I (5)	
RUS 2105 Beginning Russian II (5)	
RUS 2106 Beginning Russian III (5)	
RUS 2207 Modern Russian Culture thr Lit (5)	
RUS 3000 Russian Language Study: Inter. (6,9)	
RUS 3100 Intermediate Russian (5)	25
RUS 3101 Advanced Russian (1-2)	
RUS 3920 Ind Rdngs:Intermediate Russian (1-5)	
RUS 4900 Independent Study (1-5)	
RUS 4920 Ind Rdngs:Advanced Russian (1-5)	
RUS 4930 Russian:Tutorial Practicum (1-6)	
RUS 4940 Coop Ed:Russian Internship (1-10)	
SECTION CREDITS REQUIRED	25
TOTAL CREDITS REQUIRED	33

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EUROPEAN STUDIES - RUSSIAN COURSE DESCRIPTIONS

EUR 1110 Heritage of Europe (5) [Offerings](#)

Introduction to the culture of Europe through literature; themes of family, community, heroism, beliefs and values, and women's roles will be examined chronologically from the classical to the modern periods.

Attributes: *Arts and Humanities B*

EUR 3100 Foundations of European Art (3) [Offerings](#)

Provides a brief survey of major periods in European art and architecture beginning with significant works from the Greco-Roman period and progressing through the 20th century. It is specifically oriented toward students intending to travel in Europe.

Attributes: *Arts and Humanities A, Upper-Division*

EUR 3500 European Civilization (5) [Offerings](#)

Prerequisite: EUR 3000. Offered in Europe. Provides a cultural investigation of Europe and an on-site practicum. This course examines contemporary Europe as part of the European Quarter abroad, with special attention to a Christian perspective on the historical growth of European cultures. The language skills acquired by students are demonstrated in intensive programs of living and travel.

Attributes: *Arts and Humanities B, Upper-Division*

EUR 4254 Translation (3) [Offerings](#)

Prerequisite: Working fluency in at least one language besides English. Theory and practice of translating, with attention to accuracy and nuances of style. May be repeated for credit 1 time.

Attributes: *Upper-Division*

EUR 4899 Contemp Eur Iss & Personalities (3) [Offerings](#)

The heritage of Europe will be the framework within which contemporary European issues and personalities will be interpreted. A key component of the class is the research project that will relate to the student's language concentration and special interests. This course is designed to meet the requirements as a Senior Capstone course in European Studies.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

HIS 3345 Modern Russia (5) [Offerings](#)

Surveys Russian social, cultural and political history with primary attention to the tsarist, revolutionary, and Soviet eras, examining their legacies for current development and change.

Attributes: *Social Science B, Upper-Division, Writing "W" Course* **Restrictions:** *Freshman students are excluded.*

LIN 2100 Foundations of Language Study (5) [Offerings](#)

Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.

Attributes: *Arts and Humanities B, Media*

RUS 1100 Elementary Russian (1-2) [Offerings](#)

European Quarter only.

RUS 2100 Beginning Russian I (5) Offerings
Builds proficiency in four basic skills: understanding, speaking, reading, and writing in the Russian language. Investigates Russian culture and its relationship to the language, as well as the Slavic culture in general. This course is on a first-year level. Offered alternate years.
<u>Attributes:</u> <i>Foreign Language Comp</i>
RUS 2105 Beginning Russian II (5) Offerings
Prerequisite: RUS 2100 or permission of instructor. Provides continued practice in reading, writing, understanding, and speaking Russian. This course continues the first-year level. Offered alternate years.
<u>Attributes:</u> <i>Foreign Language Comp</i>
RUS 2106 Beginning Russian III (5) Offerings
Prerequisite: RUS 2105 or permission of instructor. A review of Russian pronunciation and grammar, with an emphasis on vocabulary building through reading Russian texts. This course completes the first-year level. Offered alternate years.
<u>Attributes:</u> <i>Foreign Language Comp</i>
RUS 2207 Modern Russian Culture thr Lit (5) Offerings
Focuses on Russian culture as seen through the works of such Russian writers as Mikhail Bulgakov, Viktor Pelevin, Ljudmila Petrushevskaya, and Tatyana Tolstaja. Taught in English with readings in Russian for students specializing in the Russian program or working on a Russian minor. Offered alternate years.
<u>Attributes:</u> <i>Arts and Humanities B</i>
RUS 3000 Russian Language Study: Inter. (6,9) Offerings
Prerequisite: Acceptance into the Russian Studies program. Taught through a semester-long program of the Council for Christian Colleges and Universities in Russia.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Non-Matriculated students are excluded.</i>
RUS 3100 Intermediate Russian (5) Offerings
Prerequisite: RUS 2106 or permission of instructor. A review of the Russian case system, and word growth through literary texts and original short stories and multimedia materials. Offered alternate years.
<u>Attributes:</u> <i>Arts and Humanities B, Upper-Division</i>
RUS 3101 Advanced Russian (1-2) Offerings
European Quarter only.
<u>Attributes:</u> <i>Upper-Division</i>
RUS 3920 Ind Rdngs:Intermediate Russian (1-5) Offerings
Ind Rdngs:Intermediate Russian May be repeated for credit up to 10 credits.
<u>Attributes:</u> <i>Upper-Division</i>
RUS 3920 Ind Rdngs:Intermediate Russian (5) Offerings
Ind Rdngs:Intermediate Russian May be repeated for credit up to 10 credits.
<u>Attributes:</u> <i>Upper-Division</i>
RUS 4900 Independent Study (1-5) Offerings
Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits.
<u>Attributes:</u> <i>Upper-Division</i>
RUS 4920 Ind Rdngs:Advanced Russian (1-5) Offerings
Ind Rdngs:Advanced Russian May be repeated for credit up to 10 credits.
<u>Attributes:</u> <i>Upper-Division</i>

RUS 4930 Russian:Tutorial Practicum (1-6) [Offerings](#)

For advanced students who wish to assist in 2000-level Russian classes. Students assist in classroom instruction and conduct specific cultural research. May be repeated for credit up to 6 credits.

Attributes: *Upper-Division*

RUS 4940 Coop Ed:Russian Internship (1-10) [Offerings](#)

Applies the skills needed to communicate in Russian in varied employment settings. Students may suggest their own internships in consultation with the faculty supervisor as long as use of the target language is part of the employment situation and other internship criteria are met. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

EUROPEAN STUDIES: SPANISH

Marston Hall
206-281-2036
www.spu.edu/depts/fil

FACULTY: [Robert N Baah](#), [Kathryn Mary Bartholomew](#), [Michelle Beauclair](#), [Owen M Ewald](#), [Michael Hugh Macdonald](#), [Katya Nemtchinova](#), [Jeffrey Lee Stevenson](#), [Eric William Vogt](#), [Michael Joakim Ziemann](#)

Spanish Faculty: Robert Baah, Jeffrey Stevenson and Eric Vogt

Spanish Program Requirements

Robert Baah, Contact Person

In support of the SPU mission to cultivate graduates of competence and character, the European studies: Spanish major and minor programs seek to further the linguistic and cultural competence of our students by affording them stimulating and demanding opportunities in classroom settings and overseas. The European studies option focuses on Spain as a member of the European community, its history, culture, and literature. Among many goals of this option is that of enabling students to discern issues surrounding Europe's role in the modern world and hence become responsible citizens of our country where European/U.S. relations are concerned.

Requirements for the Major

A European studies: Spanish major requires 40 credits, of which 25 must be upper division, in addition to the 19 base-course credits and the other major requirements listed above. A minimum of 18 upper-division credits must be in courses taught in Spanish. Courses in the history of the Hispanic world, HIS 3750 Latin America (5) and HIS 3331 History of Spain and Portugal (5) are required and can be included in the total credits. Students must complete all non-credited and language proficiency requirements found on the [Languages](#) department page.

Requirements for the Spanish Studies Minor

The minimum requirement for a minor in Spanish studies is 33 credits, of which a minimum of 15 must be upper division. Each student who minors in Spanish studies will complete two courses from courses with a European studies prefix or HIS 3331 and HIS 3750 and a minimum of 25 credits from the Spanish course offerings. A minimum of 7 upper-division credits must be in courses taught in Spanish.

EUROPEAN STUDIES MAJOR: SPANISH PROGRAM

59 Credits Total, Including 25 Upper Division

Suggested Course Sequence

European Studies: Base for all Majors	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	16
EUR 4254 Translation (3)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	16
Capstone	
Course	Credits
EUR 4899 Contemp Eur Iss & Personalities	3
SECTION CREDITS REQUIRED	3

Spanish History	
Course	Credits
HIS 3750 Latin America	5
HIS 3331 History of Spain & Portugal	5
SECTION CREDITS REQUIRED	10
Spanish Courses	
Course	Credits
SPN 1101 Elementary Spanish I (5)	
SPN 1102 Elementary Spanish II (5)	
SPN 1103 Elementary Spanish III (5)	
SPN 2101 Intermediate Spanish I (5)	
SPN 2102 Intermediate Spanish II (5)	
SPN 2103 Intermediate Spanish III (5)	
SPN 3101 Advanced Spanish (3)	
SPN 3110 Composicion y conversacion (3)	30
SPN 3120 Civilizacion y Cultura (3)	
SPN 4105 Literature Survey:Golden Age (3)	
SPN 4401 Topics in Spanish Literature (3,5)	
SPN 4501 Topics in Latin American Lit (3,5)	
SPN 4920 Independent Readings Spanish (1-5)	
SPN 4930 Spanish Tutorial Practicum (1-6)	
SPN 4940 Internship (1-10)	
SECTION CREDITS REQUIRED	30
TOTAL CREDITS REQUIRED	59

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

SPANISH STUDIES MINOR

33 Credits Total, Including 15 Upper Division

Base Courses	
Course	Credits
EUR 1110 Heritage of Europe (5)	
EUR 3100 Foundations of European Art (3)	
EUR 3500 European Civilization (5)	
EUR 4254 Translation (3)	
EUR 4899 Contemp Eur Iss & Personalities (3)	8
HIS 3331 History of Spain & Portugal (5)	
HIS 3750 Latin America (5)	
LIN 2100 Foundations of Language Study (5)	
SECTION CREDITS REQUIRED	8
Spanish Courses Required	25
TOTAL CREDITS REQUIRED	33

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EUROPEAN STUDIES - SPANISH COURSE DESCRIPTIONS

EUR 1110 Heritage of Europe (5) Offerings
Introduction to the culture of Europe through literature; themes of family, community, heroism, beliefs and values, and women's roles will be examined chronologically from the classical to the modern periods.
<u>Attributes:</u> <i>Arts and Humanities B</i>
EUR 3100 Foundations of European Art (3) Offerings
Provides a brief survey of major periods in European art and architecture beginning with significant works from the Greco-Roman period and progressing through the 20th century. It is specifically oriented toward students intending to travel in Europe.
<u>Attributes:</u> <i>Arts and Humanities A, Upper-Division</i>
EUR 3500 European Civilization (5) Offerings
Prerequisite: EUR 3000. Offered in Europe. Provides a cultural investigation of Europe and an on-site practicum. This course examines contemporary Europe as part of the European Quarter abroad, with special attention to a Christian perspective on the historical growth of European cultures. The language skills acquired by students are demonstrated in intensive programs of living and travel.
<u>Attributes:</u> <i>Arts and Humanities B, Upper-Division</i>
EUR 4254 Translation (3) Offerings
Prerequisite: Working fluency in at least one language besides English. Theory and practice of translating, with attention to accuracy and nuances of style. May be repeated for credit 1 time.
<u>Attributes:</u> <i>Upper-Division</i>
EUR 4899 Contemp Eur Iss & Personalities (3) Offerings
The heritage of Europe will be the framework within which contemporary European issues and personalities will be interpreted. A key component of the class is the research project that will relate to the student's language concentration and special interests. This course is designed to meet the requirements as a Senior Capstone course in European Studies.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
HIS 3331 History of Spain & Portugal (5) Offerings
Traces the origins of the Iberian Peninsula from the Roman era to the discovery of the New World in 1492. Emphasizes cultural, social, and ecclesiastical institutions and movements.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i>
HIS 3750 Latin America (5) Offerings
Traces the history of Latin America, with particular attention to the development of political, economic, social, religious, and aesthetic values.
<u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i>
LIN 2100 Foundations of Language Study (5) Offerings
Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.
<u>Attributes:</u> <i>Arts and Humanities B, Media</i>
SPN 1101 Elementary Spanish I (5) Offerings
Develops skill in understanding, speaking, reading, and writing the Spanish language. Investigates Spanish

culture and its relationship to the language. <u>Attributes:</u> <i>Foreign Language Comp</i>
SPN 1102 Elementary Spanish II (5) Offerings Prerequisite: SPN 1101 or equivalent. Develops skill in understanding, speaking, reading, and writing the Spanish language. Investigates Spanish culture and its relationship to the language. <u>Attributes:</u> <i>Foreign Language Comp</i>
SPN 1103 Elementary Spanish III (5) Offerings Prerequisite: SPN 1102 or equivalent. Develops skill in understanding, speaking, reading, and writing the Spanish language. Investigates Spanish culture and its relationship to the language. <u>Attributes:</u> <i>Foreign Language Comp</i>
SPN 2101 Intermediate Spanish I (5) Offerings Prerequisite: SPN 1103 or equivalent (i.e., three years of Spanish in high school). A review of Spanish-language structure, with emphasis on progress toward communicative competence and growth in understanding and appreciation of the culture of the Hispanic world; introduction to literature. <u>Attributes:</u> <i>Arts and Humanities B</i>
SPN 2102 Intermediate Spanish II (5) Offerings Prerequisite: SPN 1103 or equivalent (e.g., three years of Spanish in high school). A review of Spanish language structure, with emphasis on progress toward communicative competence and growth in understanding and appreciation of the culture of the Hispanic world; introduction to literature. <u>Attributes:</u> <i>Arts and Humanities B</i>
SPN 2103 Intermediate Spanish III (5) Offerings Prerequisite: SPN 1103 or equivalent (e.g., three years of Spanish in high school). A review of Spanish language structure, with emphasis on progress toward communicative competence and growth in understanding and appreciation of the culture of the Hispanic world; introduction to literature. <u>Attributes:</u> <i>Arts and Humanities B</i>
SPN 3101 Advanced Spanish (3) Offerings Prerequisite: SPN 2103 or equivalent. A systematic review of Spanish grammar, with attention to stylistic considerations. May be repeated for credit 2 times. <u>Attributes:</u> <i>Upper-Division</i>
SPN 3110 Composicion y conversacion (3) Offerings Focuses on writing as a process through compositions of various types; e.g. description, narration, summary and review of books and other media. Uses Spanish as the language for research, lecture and discussion. May be repeated for credit 1 time. <u>Attributes:</u> <i>Upper-Division</i>
SPN 3120 Civilizacion y Cultura (3) Offerings Explores the many facets of Spanish-speaking cultures in the Iberian peninsula and Latin America from a historical perspective. Uses Spanish as the language for research, lecture and discussion. May be repeated for credit 1 time. <u>Attributes:</u> <i>Upper-Division</i>
SPN 4105 Literature Survey:Golden Age (3) Offerings Prerequisite: SPN 3101 or equivalent. Mystics, picaresque novels, poetry and drama, studied in the context of the period. Taught in Spanish and occasionally in English. Offered alternate years. <u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i>
SPN 4401 Topics in Spanish Literature (3,5) Offerings

Prerequisite: SPN 3101 or equivalent. Emphasis varies from quarter to quarter. Taught in Spanish and occasionally in English. Offered alternate years. May be repeated for credit 1 time.

Attributes: *Arts and Humanities B, Upper-Division*

SPN 4501 Topics in Latin American Lit (3,5) [Offerings](#)

Prerequisite: SPN 3101 or equivalent. Emphasis varies from quarter to quarter. Taught in Spanish and occasionally in English. Offered alternate years. May be repeated for credit 1 time.

Attributes: *Arts and Humanities B, Upper-Division*

SPN 4920 Independent Readings Spanish (1-5) [Offerings](#)

Independent Readings Spanish May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

SPN 4930 Spanish Tutorial Practicum (1-6) [Offerings](#)

For advanced students who wish to assist in 1000-level Spanish classes. May be repeated for credit up to 6 credits.

Attributes: *Upper-Division*

SPN 4940 Internship (1-10) [Offerings](#)

Provides opportunity for practical application of Spanish language skills. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

LATIN AMERICAN STUDIES: SPANISH

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Spanish Faculty: Robert Baah, Jeffrey Stevenson and Eric Vogt

Latin American Studies

Robert Baah, Contact Person

In support of the SPU mission to cultivate graduates of competence and character, the Latin American Studies: Spanish major and minor programs seek to further the linguistic and cultural competence of our students by affording them stimulating and demanding opportunities in classroom settings and overseas. The Latin American Studies option focuses on the Spanish-speaking regions of our hemisphere, in other words, most of the "New World." The diversity of peoples and cultures in our hemisphere also includes many native American peoples whose influence is strongly felt and increasingly important in every aspect of life. U.S. relations with Latin America are examined from historical, as well as current, perspectives with an emphasis on cultural literacy and competence in interpersonal relations. Among many goals of this option is that of enabling students to discern issues surrounding the roles of the many nations of our hemisphere in the modern world and hence become responsible citizens of our country where US relations with them are concerned.

The Latin American studies major and minor are designed for students who wish to specialize in Spanish with a Latin American emphasis. Students who complete the major are expected to achieve the stated level of language proficiency in Spanish and to have completed the 19 base credits and the Council for Christian Colleges and Universities' [semester-long program in Costa Rica](#) or an approved alternative. All Latin American studies majors must make a presentation in The Symposium (formerly The European Symposium) before graduation. This presentation is normally done during the senior year.

Admission to the Latin American Studies-Spanish Major

Applicants for a major in Latin American studies-Spanish must have a cumulative GPA of 2.0 or higher in all college work applicable to the B.A. degree and a 2.5 GPA in 10 credits of coursework at SPU in foreign languages and literatures and/or Latin American studies. [Requirements for the Latin American Studies-Spanish Major](#)

LATIN AMERICAN STUDIES: SPANISH MAJOR

78 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

Base Courses	
Course	Credits
EUR 4254 Translation (3)	
HIS 3331 History of Spain & Portugal (5)	
HIS 3750 Latin America (5)	15
LIN 2100 Foundations of Language Study (5)	
UCOR 2000 The West and the World (5)	
SECTION CREDITS REQUIRED	15
Study-Abroad Base Courses	
Course	Credits
SBS 4918 LASP: Seminar I	5
SBS 4919 LASP: Seminar II	4

SBS 4937 International Practicum	6
SECTION CREDITS REQUIRED	15
Required Spanish Courses	
Course	Credits
SPN 3110 Composicion y conversacion	3
SPN 3120 Civilizacion y Cultura	3
SPN 4501 Topics in Latin American Lit	3,5
SPN 4899 Latin American Capstone Seminr	3
SECTION CREDITS REQUIRED	12
Spanish Courses	
Course	Credits
SPN 1101 Elementary Spanish I (5)	36
SPN 1102 Elementary Spanish II (5)	
SPN 1103 Elementary Spanish III (5)	
SPN 2101 Intermediate Spanish I (5)	
SPN 2102 Intermediate Spanish II (5)	
SPN 2103 Intermediate Spanish III (5)	
SPN 3101 Advanced Spanish (3)	
SPN 4105 Literature Survey:Golden Age (3)	
SPN 4401 Topics in Spanish Literature (3,5)	
SPN 4920 Independent Readings Spanish (1-5)	
SPN 4930 Spanish Tutorial Practicum (1-6)	36
SPN 4940 Internship (1-10)	
SECTION CREDITS REQUIRED	36
TOTAL CREDITS REQUIRED	78

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

LATIN AMERICAN STUDIES: SPANISH MINOR

35 Credits Total, Including 15 Upper Division

Latin American Base Courses	
Course	Credits
HIS 3331 History of Spain & Portugal (5)	10
HIS 3710 Comparative Non-Western Histry (5)	
HIS 3750 Latin America (5)	
UCOR 2000 The West and the World (5)	
SECTION CREDITS REQUIRED	10
Specialization (at least 7 UD credits taught in Spanish)	
Course	Credits
SPN 3104 Lit Survey:19th & 20th Century	3
SPN 4501 Topics in Latin American Lit	3,5
EUR 4254 Translation (3)	3
SPN 1101 Elementary Spanish I (5)	

SPN 1102	Elementary Spanish II (5)
SPN 1103	Elementary Spanish III (5)
SPN 2101	Intermediate Spanish I (5)
SPN 2102	Intermediate Spanish II (5)
SPN 2103	Intermediate Spanish III (5)
SPN 3101	Advanced Spanish (3)
SPN 3105	Literature Survey:Golden Age (3)
SPN 3106	Literature Survey:Middle Ages (3)
SPN 4401	Topics in Spanish Literature (3,5)
SPN 4899	Latin American Capstone Semint (3)
SPN 4900	Independent Study (1-10)
SPN 4920	Independent Readings Spanish (1-5)
SPN 4930	Spanish Tutorial Practicum (1-6)
SECTION CREDITS REQUIRED	
	25
TOTAL CREDITS REQUIRED	
	35

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

LATIN AMERICAN STUDIES COURSE DESCRIPTIONS

EUR 4254 Translation (3) Offerings
Prerequisite: Working fluency in at least one language besides English. Theory and practice of translating, with attention to accuracy and nuances of style. May be repeated for credit 1 time.
Attributes: <i>Upper-Division</i>
HIS 3331 History of Spain & Portugal (5) Offerings
Traces the origins of the Iberian Peninsula from the Roman era to the discovery of the New World in 1492. Emphasizes cultural, social, and ecclesiastical institutions and movements.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i>
HIS 3710 Comparative Non-Western Histry (5) Offerings
Explores the history of the non-Western World through thematic and regional comparisons. Sample themes include frontier encounters, colonialism, nationalism, modernization, state formation, and social change.
Attributes: <i>Social Science B, Upper-Division, Writing "W" Course</i> Restrictions: <i>Freshman students are excluded.</i>
HIS 3750 Latin America (5) Offerings
Traces the history of Latin America, with particular attention to the development of political, economic, social, religious, and aesthetic values.
Attributes: <i>Upper-Division, Writing "W" Course</i> Restrictions: <i>Freshman students are excluded.</i>
LAT 1101 Elementary Latin I (5) Offerings
Studies the essentials of classical Latin grammar to build comprehension in reading and writing elementary Latin. The LAT 1101, 1102, and 1103 sequence is offered alternate years.
Attributes: <i>Foreign Language Comp</i>
LAT 1102 Elementary Latin II (5) Offerings
Prerequisite: LAT 1101 or permission of instructor. Continues the study in the essentials of classical Latin grammar and syntax.

Attributes: <i>Foreign Language Comp</i>
LAT 1103 Elementary Latin III (5) Offerings
Prerequisite: LAT 1102 or permission of instructor. Continues the study of classical Latin through reading to provide a basis for future work in the language; emphasizes translation.
Attributes: <i>Foreign Language Comp</i>
LAT 2204 Latin Grammar Review (3) Offerings
Prerequisite: LAT 1103 or permission of instructor. Provides intensive review of composition and syntax necessary for all advanced work in Latin. Offered alternate years.
LAT 4920 Independent Readings Classical Lat (1-5) Offerings
Prerequisite: LAT 2204. May be repeated for credit up to 15 credits.
Attributes: <i>Arts and Humanities B, Upper-Division</i>
LAT 4930 Latin Tutorial Practicum (1-6) Offerings
For advanced students who wish to assist as discussion leaders and readers in 1000-level Latin classes. May be repeated for credit up to 6 credits.
Attributes: <i>Upper-Division</i>
LAT 4950 Special Topics (1-9) Offerings
Special Topics
LAT 4970 Directed Readings & Research (1-5) Offerings
Prerequisite: LAT 4920. May be repeated for credit up to 10 credits.
Attributes: <i>Upper-Division</i>
LIN 2100 Foundations of Language Study (5) Offerings
Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.
Attributes: <i>Arts and Humanities B, Media</i>
SBS 4918 LASP: Seminar I (5) Offerings
Prerequisite: Acceptance in the Latin American Studies Program. Taught through a semester-long program of the Council for Christian Colleges and Universities in Costa Rica. This seminar introduces students to the historical development of Latin America, the variety of analytical perspectives from which Latin American reality is explained, the character, past and present, of U.S. policy in the region, and the nature and impact of the economic crisis in the region.
Attributes: <i>Social Science B, Upper-Division</i> Restrictions: <i>Freshman, Non-Matriculated students are excluded.</i>
SBS 4919 LASP: Seminar II (4) Offerings
Prerequisite: Acceptance in the Latin American Studies Program. Taught through a semester-long program of the Council for Christian Colleges and Universities in Costa Rica. This course introduces students to several perspectives on faith and practice in the context of Latin America, considers the historical development and current character of the church in Latin America, helps students gain an understanding of approaches to Third World development and enables students to reflect biblically on these topics.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman, Non-Matriculated students are excluded.</i>

SBS 4937 International Practicum (6) Offerings
Prerequisite: Acceptance into the Latin American Studies Program. Taught through a semester-long program of the Council for Christian Colleges and Universities in Costa Rica. Opportunity to participate in a two-week, hands-on service project will be offered midway through the semester.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Non-Matriculated students are excluded.</i>
SPN 1101 Elementary Spanish I (5) Offerings
Develops skill in understanding, speaking, reading, and writing the Spanish language. Investigates Spanish culture and its relationship to the language.
<u>Attributes:</u> <i>Foreign Language Comp</i>
SPN 1102 Elementary Spanish II (5) Offerings
Prerequisite: SPN 1101 or equivalent. Develops skill in understanding, speaking, reading, and writing the Spanish language. Investigates Spanish culture and its relationship to the language.
<u>Attributes:</u> <i>Foreign Language Comp</i>
SPN 1103 Elementary Spanish III (5) Offerings
Prerequisite: SPN 1102 or equivalent. Develops skill in understanding, speaking, reading, and writing the Spanish language. Investigates Spanish culture and its relationship to the language.
<u>Attributes:</u> <i>Foreign Language Comp</i>
SPN 2101 Intermediate Spanish I (5) Offerings
Prerequisite: SPN 1103 or equivalent (i.e., three years of Spanish in high school). A review of Spanish-language structure, with emphasis on progress toward communicative competence and growth in understanding and appreciation of the culture of the Hispanic world; introduction to literature.
<u>Attributes:</u> <i>Arts and Humanities B</i>
SPN 2102 Intermediate Spanish II (5) Offerings
Prerequisite: SPN 1103 or equivalent (e.g., three years of Spanish in high school). A review of Spanish language structure, with emphasis on progress toward communicative competence and growth in understanding and appreciation of the culture of the Hispanic world; introduction to literature.
<u>Attributes:</u> <i>Arts and Humanities B</i>
SPN 2103 Intermediate Spanish III (5) Offerings
Prerequisite: SPN 1103 or equivalent (e.g., three years of Spanish in high school). A review of Spanish language structure, with emphasis on progress toward communicative competence and growth in understanding and appreciation of the culture of the Hispanic world; introduction to literature.
<u>Attributes:</u> <i>Arts and Humanities B</i>
SPN 3101 Advanced Spanish (3) Offerings
Prerequisite: SPN 2103 or equivalent. A systematic review of Spanish grammar, with attention to stylistic considerations. May be repeated for credit 2 times.
<u>Attributes:</u> <i>Upper-Division</i>
SPN 3104 Lit Survey:19th & 20th Century (3) Offerings
Prerequisite: SPN 3101 or equivalent. Examines works of major 19th and 20th century writers from Spain and Latin America in the context of contemporary ideologies and values. Taught in Spanish and occasionally offered in English. Offered alternate years.
<u>Attributes:</u> <i>Upper-Division</i>
SPN 3105 Literature Survey:Golden Age (3) Offerings
Prerequisite: SPN 3101 or equivalent. Mystics, picaresque novels, poetry, and drama, studied in the context of the period. Taught in Spanish and occasionally in English. Offered alternate years.
<u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i>

<p>SPN 3106 Literature Survey:Middle Ages (3) Offerings</p> <p>Prerequisite: SPN 3101 or equivalent. Examines the earliest writings in Spanish, including epic poetry, prose, and lyric poetry in light of the medieval Spanish worldview. Taught in Spanish and occasionally in English. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SPN 3110 Composicion y conversacion (3) Offerings</p> <p>Focuses on writing as a process through compositions of various types; e.g. description, narration, summary and review of books and other media. Uses Spanish as the language for research, lecture and discussion. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SPN 3120 Civilizacion y Cultura (3) Offerings</p> <p>Explores the many facets of Spanish-speaking cultures in the Iberian peninsula and Latin America from a historical perspective. Uses Spanish as the language for research, lecture and discussion. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SPN 4105 Literature Survey:Golden Age (3) Offerings</p> <p>Prerequisite: SPN 3101 or equivalent. Mystics, picaresque novels, poetry and drama, studied in the context of the period. Taught in Spanish and occasionally in English. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>SPN 4401 Topics in Spanish Literature (3,5) Offerings</p> <p>Prerequisite: SPN 3101 or equivalent. Emphasis varies from quarter to quarter. Taught in Spanish and occasionally in English. Offered alternate years. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Arts and Humanities B, Upper-Division</i></p>
<p>SPN 4501 Topics in Latin American Lit (3,5) Offerings</p> <p>Prerequisite: SPN 3101 or equivalent. Emphasis varies from quarter to quarter. Taught in Spanish and occasionally in English. Offered alternate years. May be repeated for credit 1 time.</p> <p><u>Attributes:</u> <i>Arts and Humanities B, Upper-Division</i></p>
<p>SPN 4899 Latin American Capstone Seminr (3) Offerings</p> <p>This capstone course focuses on issues of language and culture related to the Latin American Studies-Spanish major. Required of all Latin American Studies-Spanish majors and recommended for minors.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>SPN 4900 Independent Study (1-10) Offerings</p> <p>Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SPN 4920 Independent Readings Spanish (1-5) Offerings</p> <p>Independent Readings Spanish May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SPN 4930 Spanish Tutorial Practicum (1-6) Offerings</p> <p>For advanced students who wish to assist in 1000-level Spanish classes. May be repeated for credit up to 6 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SPN 4940 Internship (1-10) Offerings</p>

Provides opportunity for practical application of Spanish language skills. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

UCOR 2000 The West and the World (5) Offerings

Considers the question "From where have we come and where are we going?" Explores the history of interaction between the West and the world from the dawn of the modern global age (about 1500) to the present. How has Western civilization been influenced by and influenced other cultures? Key themes are ideas, inventions, and systems of interaction. The virtue of hope motivates service as the Christian response to a constantly changing world.

Restrictions: *Freshman students are excluded.*

FOREIGN LANGUAGE & LITERATURE DEPARTMENT FACULTY

Baah, Robert N. Professor of Spanish; B.A., University of Ghana 1982; Master of Arts, University of Alberta 1988; Doctor of Philosophy, University of Southern California 1994. At SPU since 1995. ([Contact Info](#))

Bartholomew, Kathryn Mary. Department Chair of Foreign Languages/ Literature / Associate Professor of Foreign Languages & Linguistics; MA-TESOL Program Director; B.A., University of Washington 1969; Master of Arts, University of Washington 1970; Doctor of Philosophy, University of Washington 1979. At SPU since 1989. ([Contact Info](#))

Beauclair, Michelle. Associate Professor of French; B.S., Georgetown University 1986; Master of Arts, University of Wisconsin Madison 1989; Doctor of Philosophy, University of Wisconsin Madison 1994. At SPU since 2004. ([Contact Info](#))

Ewald, Owen M. Assistant Professor of Classics; C. May Marston Professorship of Classics; B.A., Yale University 1992; Master of Arts, University of Washington 1995; Doctor of Philosophy, University of Washington 1999. At SPU since 2001. ([Contact Info](#))

Macdonald, Michael Hugh. Professor of European Studies/German & Philosophy; B.A., Pacific Lutheran University 1963; Master of Arts, University of Washington 1964; Doctor of Philosophy, University of Washington 1974. At SPU since 1967. ([Contact Info](#))

Nemtchinova, Katya. Associate Professor of TESOL/Russian; Master of Arts, Moscow State Linguistics Univ. 1987; Doctor of Philosophy, SUNY Center Stony Brook 1997. At SPU since 1997. ([Contact Info](#))

Stevenson, Jeffrey Lee. Instructor of Spanish; B.S., Central Washington University 1990; Master of Arts, Central Washington University 1996; B.A., Central Washington University 1997; Master of Arts, University of Washington 2001; PHD (ABD), University of Washington 2005. At SPU since 2005. ([Contact Info](#))

Vogt, Eric William. Associate Professor of Spanish; B.A., University of Hawaii Manoa 1977; Master of Arts, University of Missouri Columbia 1983; Doctor of Philosophy, University of Missouri Columbia 1988. At SPU since 2001. ([Contact Info](#))

Ziemann, Michael Joakim. Associate Professor of European Studies/German & Linguistics; B.A., Freie Universität/McPherson Co 1968; Master of Arts, Kansas State University Salina 1969; Doctor of Philosophy, Washington University 1974. At SPU since 1981. ([Contact Info](#))

PHILOSOPHY

Marston Hall
206-281-2036
www.spu.edu/depts/philosophy

FACULTY: [Kenneth Himma](#), [Charles Stephen Layman](#), [Patrick Joseph McDonald](#), [Paul F Pardi](#)

Philosophy is the attempt to answer certain persistent human questions. These questions fall into three traditional groups: (1) axiology (the theory of value), (2) metaphysics (the theory of being), and (3) epistemology (the theory of knowledge). Characteristic questions include the following: What is good? What is real? and What is knowledge and how can one achieve it? By studying what the great philosophers have to say about these questions, one can develop a clear personal philosophy (and a clearer grasp of Christian theology), learn about the history of thought and develop analytical skills, which can be applied to any other field. Philosophy majors often train for careers in law, the ministry, the computer industry, and education, but philosophers are also found in most other professional fields.

Serious students in all majors are encouraged to consider philosophy as a second major.

Admission to the Major

Applicants for a major in philosophy must display a cumulative GPA of 2.5 or higher (4.0 = A) in all college work applicable to the degree, or 3.0 in the 45 credits immediately preceding application to the major. [Requirements for the Philosophy Major](#).

Students who choose philosophy as a second major must earn a total of 50 credits, 25 of which must be upper division. The distribution of the 50 credits among the various areas is similar to the above. However, the student may omit 5 credits from the history, systematic, or elective courses with the approval of the philosophy faculty.

All students who complete the philosophy major must be proficient in a foreign language. Proficiency is established upon satisfactory completion of the third quarter of a first-year college-level foreign language or its equivalent. For alternative ways of satisfying this requirement, see the [General Education](#) section of the *Catalog*. Language proficiency is not satisfied as part of the community college direct transfer degree unless the transcript records the completion of foreign language coursework.

[Requirements for the Philosophy Minor](#).

PHILOSOPHY MAJOR

55 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
PHI 1002 History of Ethics (5) PHI 1004 Survey of Western Philosophy (5)	5
PHI 3601 Ancient Philosophy (5) PHI 3602 Medieval Philosophy (3) PHI 3633 Early Modern Philosophy (5)	13
PHI 1001 Power of Logic (5) PHI 2001 Advanced Logic (3) PHI 3651 Contemporary Ethical Theory (5) PHI 4652 Contemporary Metaphysics (5)	18
PHI 3999 Mind & Immortality (3) PHI 4653 Contemporary Epistemology (3)	3

PHI 4899 Senior Capstone in Philosophy	2
SECTION CREDITS REQUIRED	41
Any Electives in Philosophy including the following:	
Course	Credits
HIS 3435 Marxism:20thCent Theory & Prac (3)	14
THEO 4401 Representative Theologians (5)	
UCOR 3000 Belief, Morality & Modern Mind (5)	
USCH 1113 Texts and Contexts III (5)	
SECTION CREDITS REQUIRED	14
TOTAL CREDITS REQUIRED	55

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

PHILOSOPHY MINOR

30 Credits Total, Including 15 Upper Division

Philosophy Minor Core Requirements	
Course	Credits
PHI 1002 History of Ethics (5)	5
PHI 1004 Survey of Western Philosophy (5)	
SECTION CREDITS REQUIRED	5
Philosophy Minor History Courses	
Course	Credits
PHI 3601 Ancient Philosophy (5)	3
PHI 3602 Medieval Philosophy (3)	
PHI 3633 Early Modern Philosophy (5)	
SECTION CREDITS REQUIRED	3
Philosophy Minor Systematic Courses	
Course	Credits
PHI 1001 Power of Logic	5
SECTION CREDITS REQUIRED	5
Electives in Philosophy	15
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

PHILOSOPHY COURSE DESCRIPTIONS

HIS 3435 Marxism:20thCent Theory & Prac (3) [Offerings](#)

Examines the development of varieties of Marxist theory and practice in the 20th century. Compares the Soviet, European, Chinese, and Latin American experiences with Marxist thought and practice. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

PHI 1001 Power of Logic (5) [Offerings](#)

An introductory course in logic that covers the following topics: the basic concepts of logic (such as validity and soundness), argument forms, identifying arguments, logic and language, categorical syllogisms and Venn diagrams, informal fallacies, truth tables and natural deduction (for statement logic).

Attributes: *Arts and Humanities B*

PHI 1002 History of Ethics (5) [Offerings](#)

A survey of major philosophical ethicists emphasizing the works of Plato, Aquinas, Kant and Mill.

Attributes: *Arts and Humanities B*

PHI 1004 Survey of Western Philosophy (5) [Offerings](#)

This course surveys the main ideas, movements and figures in the history of western philosophy from Socrates to Wittgenstein.

Attributes: *Arts and Humanities B*

PHI 2001 Advanced Logic (3) [Offerings](#)

Prerequisite: PHI 1001. Covers these topics: predicate logic with identity, probability and modal logic.

PHI 2500 Philosophy of Science (3) [Offerings](#)

The course will examine philosophical issues raised by modern physics, biology and psychology (among other sciences). It will address questions such as the following: What distinguishes science from pseudo-science? Does science differ from philosophy and theology? Can scientific hypotheses be conclusively established through observation and experiment? What makes for a good scientific explanation? Does science converge on the truth about nature or provide merely useful predictive tools? What are the consequences of historical change in science for the rationality of science? Offered alternate years.

Attributes: *Arts and Humanities B*

PHI 2801 C.S.Lewis & Values (3) [Offerings](#)

Examines Lewis's insights into the nature of humanness, the meaning of life and the possibility of other worlds; evaluates Lewis's position on selected value issues, e.g., marriage, divorce and friendship.

PHI 2999 Aesthetics (3) [Offerings](#)

Is beauty an objective quality that a thing either has or does not have, or are aesthetic judgments merely expressions of personal taste? What sorts of things should we take into account in evaluating art? What is the proper function of art, and of the art critic? Offered alternate years.

Attributes: *Arts and Humanities B*

PHI 3601 Ancient Philosophy (5) [Offerings](#)

Surveys the work of principally Greek philosophers emphasizing Plato and Aristotle. Some consideration may be given to pre-Socratics and post-Aristotelian developments, such as stoicism and Neoplatonism.

Attributes: *Upper-Division, Writing "W" Course*

PHI 3602 Medieval Philosophy (3) [Offerings](#)

Surveys the thought of some main medieval philosophers such as Augustine, Boethius, Anselm, Aquinas, Duns Scotus and William of Ockham. Attention will be mainly given to their metaphysical, epistemological and ethical theories.

Attributes: Upper-Division, Writing "W" Course

PHI 3606 Continental Philosophy (3) Offerings

Prerequisite: PHI 3601 or 3633. Surveys major philosophical figures in the continental tradition such as Hegel, Kierkegaard, Nietzsche, Heidegger, Gadamer, Derrida and Rorty. Offered alternate years.

Attributes: Upper-Division, Writing "W" Course

PHI 3633 Early Modern Philosophy (5) Offerings

Surveys the thought of main figures in the early modern period such as Descartes, Locke, Leibniz, Hume and Kant.

Attributes: Upper-Division, Writing "W" Course

PHI 3651 Contemporary Ethical Theory (5) Offerings

Prerequisite: PHI 1002 is recommended. An in-depth examination of the main philosophical theories of ethics such as cultural relativism, subjectivism, the divine command theory, ethical egoism, consequentialist views, deontological views and virtue ethics. Contemporary versions of these theories will be emphasized. Selected topics in metaethics will also be included, such as moral realism, morality and self-interest, moral knowledge.

Attributes: Upper-Division, Writing "W" Course

PHI 3770 Topics in Political Philosophy (3) Offerings

An In-depth study of a crucial topic in political philosophy. Examples include philosophical implications of the French Revolution, the rule of law, political obligation, Aristotle's politics and democracy. Offered alternate years. May be repeated for credit up to 6 credits.

Attributes: Upper-Division, Writing "W" Course

PHI 3801 C.S.Lewis & Values (3) Offerings

Examines Lewis's insights into the nature of humanness, the meaning of life and the possibility of other worlds; evaluates Lewis's position on selected value issues such as marriage, divorce and friendship.

Attributes: Upper-Division, Writing "W" Course

PHI 3900 Advanced Philosophy of Religion (5) Offerings

Explores the following questions via the writings of contemporary philosophers: Is there good evidence for the existence of God? Can religious experience ground a rational belief in God? Does the presence of horrible suffering in the world make it probable that God does not exist? Given religious diversity, is it rational to accept the teachings of any particular religion? Is divine foreknowledge consistent with human freedom? Is God outside of time? Are the doctrines of the Trinity and Incarnation logically consistent? Is the doctrine of hell consistent with divine love and justice?

Attributes: Upper-Division, Writing "W" Course

PHI 3999 Mind & Immortality (3) Offerings

An in-depth examination of the naturalistic program in understanding the human mind. Topics covered include dualism versus physicalism, behaviorism, mind-brain identity theory, functionalism, mental causation, consciousness, reductive and nonreductive physicalism, and the Christian doctrine of the resurrection of the body.

Attributes: Upper-Division, Writing "W" Course

PHI 4652 Contemporary Metaphysics (5) Offerings

Prerequisite: PHI 1001. An in-depth examination of classic metaphysical issues focusing on more recent contributions to the debates. Topics include free will, ontology, realism and essentialism.

Attributes: Upper-Division, Writing "W" Course

PHI 4653 Contemporary Epistemology (3) Offerings

Prerequisite: PHI 1001. An in-depth examination of classic epistemological issues focusing on more recent contributions to the debates. Topics include the analysis of knowledge, the Gettier problem, the structure and sources of justification, skepticism, a priori knowledge, and naturalized and feminist epistemology.

PHI 4661 The Best of C.S.Lewis (3) Offerings

Identifies basic literary, philosophical and theological categories of Lewis's work. Evaluates the insights in the great themes that permeate Lewis's literature through examining his major works, including Mere Christianity, Screwtape Letters, Great Divorce, Last Battle and The Four Loves. Incorporates lecture series.

Attributes: Upper-Division

PHI 4899 Senior Capstone in Philosophy (2) Offerings

Prerequisite: 30 credits in philosophy or instructor's permission. This course has two aims: (1) to help students synthesize what they have learned about certain key issues in the three main branches of philosophy, and (2) to assist students in taking the practical steps necessary either to enter the workplace or to attend graduate school. This course is delivered in an independent-study arrangement. Students planning to attend graduate school should enroll in the last quarter of their junior year; otherwise the course may be taken any quarter of the senior year.

Attributes: Upper-Division Restrictions: Senior students only.

PHI 4900 Independent Study (1-5) Offerings

Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits.

Attributes: Upper-Division

PHI 4920 Directed Readings (1-9) Offerings

Directed Readings May be repeated for credit up to 9 credits.

Attributes: Upper-Division Restrictions: Junior, Senior students only.

PHI 4921 Dir Rdgns Phil Wrts C S Lewis (1-5) Offerings

Offers directed study in the explicitly philosophical writings of Lewis, e.g., The Abolition of Man, The Problem of Pain, Miracles, The Four Loves, The Weight of Glory and Other Addresses, and God in the Dock. May be repeated for credit up to 5 credits.

Attributes: Upper-Division

PHI 4930 Philosophy Practicum (1-5) Offerings

For advanced students who wish to assist as discussion leaders and readers in lower-division philosophy classes. May be repeated for credit up to 5 credits.

Attributes: Upper-Division Restrictions: Philosophy Majors only. Freshman, Sophomore students are excluded.

PHI 4940 Philosophy Internship (1-5) Offerings

Prerequisite: 30 credits of philosophy. Practical application of philosophical skills. (See philosophy Web-site for illustrative possibilities.) May be repeated for credit up to 5 credits.

Attributes: Upper-Division Restrictions: Philosophy Majors only. Freshman, Sophomore students are excluded.

PHI 4950 Special Topics in Philosophy (1-5) Offerings

An in-depth exploration of a specific philosophical topic chosen by the instructor. Recent topics include the problem of evil, the doctrines of the trinity and incarnation, political philosophy and C.S. Lewis on the quest for the permanent things. May be repeated for credit up to 10 credits.

Attributes: Upper-Division Restrictions: Junior, Senior students only.

PHI 4970 Independent Research (1-9) Offerings
Independent Research
<u>Attributes:</u> <i>Upper-Division</i>

THEO 4401 Representative Theologians (5) Offerings
Prerequisite: UFDN 3000 or 3100. Considers the work of a major Christian theologian or group of theologians who share a distinctive theological approach. Provides models of the "craft" of theological inquiry and probes the distinctive emphases of various Christian traditions and theological movements. Examples of theologians considered include: the Eastern and Western Christian Fathers and Mother, John Wesley, Karl Barth, Dietrich Bonhoeffer, C.S. Lewis, feminist theologians, and contemporary global theologians. May be repeated for credit 2 times.
<u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i>

UCOR 3000 Belief, Morality & Modern Mind (5) Offerings
Prerequisite: UFDN 2000. This course considers the question "How do I know what is true and how should I act on that knowledge?" It explores questions about Christian faith and practice that arise from modern developments in philosophy and science. Key themes are authority, reason, personal meaning, ethics, and love as the Christian response to God's creation and humankind.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Junior, Senior students only.</i>

USCH 1113 Texts and Contexts III (5) Offerings
Prerequisite: USCH 1112. Through the lens of four problems central to modernity: evil, violence, faith/reason, and the individual in society, examines and discusses several texts of the modern period, including Descartes' Meditations, Voltaire's Candide, Flaubert's Madame Bovary, and Dostoevsky's The Brothers Karamazov, together with selected works of music, visual art, and film. Open to University Scholars only.

PHILOSOPHY DEPARTMENT FACULTY

Himma, Kenneth. Associate Professor of Philosophy; B.A., University of Illinois Chicago 1985; Master of Arts, University of California Los Angeles 1987; Juris Doctorate, University of Washington 1990; Doctor of Philosophy, University of Washington 2001. At SPU since 2004. ([Contact Info](#))

Layman, Charles Stephen. Department Chair of Philosophy / Professor of Philosophy; B.A., Calvin College 1977; Doctor of Philosophy, University of Calif Los Angeles 1983. At SPU since 1986. ([Contact Info](#))

McDonald, Patrick Joseph. Assistant Professor of Philosophy; Master of Arts, University of Notre Dame 1997; Doctor of Philosophy, University of Notre Dame 2001. At SPU since 2001. ([Contact Info](#))

Pardi, Paul F. Instructor of Philosophy; B.A., Cedarville University 1991; Master of Arts, Biola University 1998. At SPU since 2006. ([Contact Info](#))

BIOLOGY

Science Building
206-281-2351
www.spu.edu/depts/biology

FACULTY: [Janet Kay Bester-Meredith](#), [Cynthia Rae Bishop](#), [Bruce David Congdon](#), [Cynthia Fitch](#), [Eric Shaffer Long](#), [Kenneth Moore](#), [Timothy Alan Nelson](#), [Richard L Ridgway](#), [Derek William Wood](#)

The primary goals of the Department of Biology are (1) to cultivate students who understand and respect scientific approaches to the study of life; (2) to produce graduates who demonstrate excellence in their scientific training; (3) to prepare graduates to think critically, to communicate biological principles effectively, and to make informed decisions based on a solid understanding of science and their Christian worldview; and (4) to embolden faculty and students to lead lives of grace-filled wholeness, and personal and professional integrity.

Admission to the Major

The application for major status should be made by the beginning of the junior year, after completion of the sequence in general biology. Transfer students are eligible to apply after successful completion of one 5-credit upper-division biology course at SPU. Applications are considered individually by the biology faculty, but the normal minimum requirement for admission will be a GPA of 2.5 in biology courses.

Requirements for the Biology Major

There are five tracks for biology majors, three leading to the B.S. degree and two leading to a B.A. degree. The requirements for each track are described below and in the summary table.

B.S. in Biology

Option I

102 credits; 35 upper-division in biology

This major provides preparation for graduate studies or professional careers in biology. It places special emphasis on undergraduate research. Depending upon interests and professional goals, a student may choose the core and elective coursework to emphasize botany, cellular and molecular biology, ecology, marine biology, physiology, or zoology. In addition to the core and supporting requirements indicated below, 14 credits of biology elective courses are also required. Elective courses should be discussed with biology faculty advisors. General physics is also strongly recommended. As a part of either core requirements or electives, students are required to take a minimum of 3 credits of field biology, taught primarily in the field and emphasizing field methods. Seattle Pacific field biology courses are BIO 4117, BIO 4735, BIO 4740, BIO 4744, BIO 4810, BIO 4815, BIO 4820, BIO 4825, BIO 4830, BIO 4835, BIO 4880, and BIO 4950. An undergraduate research project is required for graduation. Each student will collaborate with a faculty member on an investigation that requires a formal proposal (BIO 4978 Biological Research Proposal), and original research and presentation of results (BIO 4979). [Requirements for the B.S. in Biology Option I](#)

Option II: Emphasis in Human Biology

107 credits

This program is designed primarily for those students planning to enter a doctoral degree program in physical therapy. This highly interdisciplinary curriculum will satisfy the basic requirements for entry into physical therapy as outlined by the American Association of Physical Therapists. [Requirements for the B.S. in Biology Option II](#)

Option III: Emphasis in Biotechnology/Molecular Biology

110–130 credits; 26–28 upper-division in biology

This program is specifically designed to aid students in developing competency in the laboratory skills typically needed for entry into a career in biotechnology. The program curriculum was developed with the help of regional biotechnology industry representatives as part of the Washington State Biotechnology/Biomedical Skill Standards Project (1999–2002) and features a unique two-way articulation agreement with Shoreline Community College's bio-technology program. To be considered for this B.S. biology pathway, students must apply and be accepted into the SPU program in biotechnology; application and acceptance must be made prior to enrolling in any upper-division biology, chemistry, or biochemistry courses within the biotechnology curriculum. Prospective students should contact the director of the program in biotechnology for more information.

[Requirements for the B.S. in Biology Option III](#)

Option IV: Emphasis in Ecology

103 credits

This program is intended for students interested in ecology and related larger-scale subdisciplines of biology, including marine biology, forestry, fisheries, agriculture, behavioral ecology, wildlife management, etc. Students in this track will most likely be considering going to graduate school or working as a biologist on graduation. Elective courses should be discussed with biology faculty advisors.

Students interested in graduate school should consult with their advisor as to whether coursework beyond degree requirements (e.g., physics, cell biology, etc.) would be appropriate. BIO 4950 Special Topics in Biology may be used to meet certain stated requirements if the topic is determined to be appropriate by the Department of Biology in advance. For example, BIO 4950 Introduction to GIS can substitute for a quantitative supporting course. As a part of either core requirements or electives, students are required to take a minimum of 3 credits of field biology, taught primarily in the field and emphasizing field methods. Seattle Pacific field biology courses are BIO 4117, BIO 4735, BIO 4740, BIO 4744, BIO 4810, BIO 4815, BIO 4820, BIO 4825, BIO 4830, BIO 4835, BIO 4880, and BIO 4950. An undergraduate research project is required for graduation. Each student will collaborate with a faculty member on an investigation that requires a formal proposal (BIO 4978 Biological Research Proposal), and original research and presentation of results (BIO 4979).

B.A. in Biology

Option I: Emphasis in Cell and Molecular Biology

87 credits; 25 upper-division in biology

The program provides a sound foundation for **pre-professional training** for medicine, dentistry, optometry, veterinary sciences, as well as certain other health-related and applied-biology fields. Other courses in chemistry, physics, and mathematics should be taken to meet the demand of the student's individual plans or career goals.

Option II

80 credits; 30 upper-division in biology

This program is designed to provide a broad foundation in biology for liberal arts students and those preparing for the teaching profession at the junior high school or secondary level. Students preparing for biology teaching careers should become familiar with Washington state endorsement requirements prior to selecting core and elective options. Current endorsement requirements include (1) a botany course with lab (satisfied by BIO 3453, BIO 3456, BIO 4415, or BIO 4744); (2) a zoology course with lab (satisfied by BIO 3432, BIO 4413, or BIO 4740); (3) a genetics course (BIO 3325); (4) a microbiology course with lab (BIO 3351 or BIO 4340) or cell biology course with lab (BIO 4352); (5) an ecology course (satisfied by BIO 3310, BIO 4810, BIO 4815, or BIO 4825); (6) an evolution course (BIO 4330); (7) a chemistry course with lab (e.g., CHM 1211 or CHM 3371); (8) experience in lab safety, practice, and management (satisfied by BIO 2101, BIO 2102, and BIO 2103); (9) experience with inquiry-based laboratories (satisfied by upper-division biology lab courses; and (10) experience in relating science to current issues (satisfied by BIO 4615 and BIO 4899).

Admission to the Minor

Applications for a minor in biology are considered individually by the biology faculty, but the normal minimum requirement for admission to the minor will be a GPA of 2.0 in biology courses.

Blakely Island Field Station

For information about the program at Blakely Island Field Station, see [Special Studies in Academic Programs](#).

Courses offered at Blakely Island Field Station

BIO 1100 Biological Science (5) Intended for non-biology majors. Emphasis varies quarterly: human nutrition, human biology, human genetics, environmental biology, biological diversity, marine biology, and others. Basic concepts include the chemistry of living things, their structure and function, and their interactions with the environment. Applications to current issues are considered from a Christian perspective. No credit will be given for students who have taken BIO 2101, 2102, 2103, 2129, 2130, or who have advanced placement biology credit. Also offered at Blakely Island Field Station and as a study tour. Attributes: Biological Sciences.

BIO 4117 Birds of the Pacific Northwest (5) Prerequisite: BIO 2102. Study of birds common to the Puget Sound area and adjacent regions. Class activities include field observations, lectures, library research, and laboratory study. Offered alternate years; includes field trips to Blakely campus and other locales. Extra fee. Attribute: Upper-Division.

BIO 4735 Marine Biology (5) Prerequisites: BIO 2102, 2103. Study of the marine environment and the identification, unique features, and natural history of the organisms inhabiting it. Extra fee. Attribute: Upper-Division.

BIO 4740 Marine Invertebrate Zoology (5) Prerequisite: BIO 2102. Provides a field and laboratory course emphasizing identification, life histories, habitats, and interrelationships of Pacific Northwest marine invertebrates. Includes laboratory. Normally taught Summer Quarter at Blakely Island. Extra fee. Attribute: Upper-Division.

BIO 4744 Marine Botany (5) Prerequisite: BIO 2103. Provides a field and laboratory course emphasizing identification, life histories, habitats, and interrelationships of marine plants with emphasis on local flora and Blakely Island. Includes laboratory. Normally taught in summer at Blakely Island Field Station. Extra fee. Attribute: Upper-Division.

BIO 4810 Marine Ecology (1-5) Prerequisites: BIO 2102, 2103. Considers recent advances in marine ecology. Symbioses, predation, herbivory, and interactions with the physical environment will be emphasized. Laboratory and field work will include the application of ecological techniques to a specific problem and will include the writing of reports describing the results. Offered during the Summer Quarter at Blakely Island Field Station. Extra fee. Attributes: Upper-Division; and Writing "W" Course.

BIO 4815 Aquatic Ecology (5) Prerequisite: BIO 2102. Introduces students to the biology of freshwater organisms. The physical, chemical, and biological characteristics of flowing and standing water habitats will be studied. The field and laboratory work will focus on lakes, streams, and marshes. Offered Summer Quarter at Blakely Island Field Station. Extra fee. Attribute: Upper-Division.

BIO 4820 Ecomorphology (5) Prerequisite: BIO 2102. Provides an introduction to the study of ecological morphology. Relationships between the environment and the structure, functional design, and behavior of organisms are examined through a combination of lectures, laboratory work, and field observations. Offered Summer Quarter at Blakely Island Field Station. Extra Fee. Attribute: Upper-Division.

BIO 4825 Forest Ecology (5) Prerequisite: BIO 2103. Examines the organisms that comprise the forest ecosystem and their interaction with the physical environment. Emphasis will be placed on field study of forest community composition and the forest as a biologically modified habitat. Normally offered Summer Quarter at Blakely Island Field Station. Extra fee. Attribute: Upper-Division.

BIO 4830 Ecological Restoration Workshop (2) A workshop providing practical experience in restoring damaged forest or wetland sites on Blakely Island, combined with readings and discussions of technical, social, and spiritual issues related to the emerging interdisciplinary area of ecological restoration. Normally offered Summer Quarter at Blakely Island Field Station. Extra Fee. Attribute: Upper-Division.

BIO 4835 Conservation Biology (5) Prerequisite: BIO 2103 or equivalent. Considers values of, threats to, and strategies for conserving biodiversity. Theories of conservation biology will be applied to local biodiversity on Blakely Island. Field exercises will focus on assessing biodiversity of distinct taxa and honing skills for identifying the diversity of plants and animals near the field station. Extra fee. Attribute: Upper-Division.

BIO 4880 Blakely Field Studies (1-5) Provides a brief (e.g., weekend) field learning experience focusing on a single aspect of the Blakely Island environment, such as fresh water, marine, or terrestrial habitats. Offered at Blakely Island Field Station. Extra fee. Course may only be repeated for credit if a different topic is studied. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

B.A. IN BIOLOGY OPTION I: EMPHASIS IN CELL AND MOLECULAR BIO
87 Credits Total, Including 25 Upper Division

Suggested Course Sequence

General Core Requirements	
Course	Credits
BIO 2101 General Biology (5)	15
BIO 2102 General Biology (5)	
BIO 2103 General Biology (5)	
BIO 3325 Genetics	5
BIO 4352 Cell Biology	5
BIO 4899 Natural Sciences Seminar	2
SECTION CREDITS REQUIRED	27
Required Supporting Courses	
Course	Credits
CHM 1211 General Chemistry I (5)	10
CHM 1212 General Chemistry II (5)	
CHM 2540 Introductory Inorganic Chemistry	5
CHM 3371 Organic Chemistry I (5)	15
CHM 3372 Organic Chemistry II (5)	
CHM 3373 Organic Chemistry III (5)	
HSC 4044 Biomed Tests, Measrmts & Stats (5)	5
MAT 1360 Introduction to Statistics (5)	
SECTION CREDITS REQUIRED	35
Select 15 credits from the following:	
Course	Credits
BIO 3320 Principles of Development (5)	15
BIO 3350 Immunology (3)	
BIO 3351 General Microbiology (5)	
BIO 4325 Molecular Biology (5)	
BIO 4330 Evolutionary Mechanisms (3)	
BIO 4340 Advanced Microbiology (5)	
BIO 4361 Biochemistry (5)	
BIO 4362 Biochemistry (5)	
BIO 4418 Neurobiology (5)	
BIO 4420 Histology & Microscopic Tech (5)	
BIO 4615 Issues & Values in Biology (3)	
SECTION CREDITS REQUIRED	
Select 10 credits from the following courses:	
Course	Credits
BIO 2129 Human Anatomy & Physiology (5)	10
BIO 2130 Human Anatomy & Physiology (5)	
BIO 3432 Biodiversity: Vertebrate Biolgy (5)	
BIO 4413 Animal Physiology (5)	
BIO 4415 Plant Physiology (5)	

SECTION CREDITS REQUIRED	10
TOTAL CREDITS REQUIRED	87

Additional Requirements:	
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog	

BA IN BIOLOGY OPTION II: EMPHASIS IN TEACHING

80 Credits Total, Including 30 Upper Division

Suggested Course Sequence

General Core Requirements	
Course	Credits
BIO 2101 General Biology (5)	15
BIO 2102 General Biology (5)	
BIO 2103 General Biology (5)	
BIO 3325 Genetics	5
BIO 4330 Evolutionary Mechanisms	3
BIO 4413 Animal Physiology (5)	5
BIO 4415 Plant Physiology (5)	
BIO 3320 Principles of Development (5)	5
BIO 3432 Biodiversity:Vertebrate Biology (5)	
BIO 3453 Biodiversity:Plant Ident & Tax (5)	
BIO 3456 Mycology (5)	
BIO 4435 Biodiversity: Parasites & Pests (5)	
BIO 4740 Marine Invertebrate Zoology (5)	
BIO 4744 Marine Botany (5)	
BIO 3310 Ecology (5)	5
BIO 4810 Marine Ecology (5)	
BIO 4815 Aquatic Ecology (5)	
BIO 4825 Forest Ecology (5)	
BIO 4615 Issues & Values in Biology	3
BIO 4899 Natural Sciences Seminar	2
SECTION CREDITS REQUIRED	43
Required Supporting Courses	
Course	Credits
CHM 1211 General Chemistry I (5)	10
CHM 1212 General Chemistry II (5)	
CHM 3371 Organic Chemistry I (5)	10
CHM 3372 Organic Chemistry II (5)	
HSC 4044 Biomed Tests, Measrmts & Stats (5)	5
MAT 1360 Introduction to Statistics (5)	

SECTION CREDITS REQUIRED	25
Electives in Biology Courses	12
TOTAL CREDITS REQUIRED	80

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

B.S. IN BIOLOGY OPTION I: PROFESSIONAL

103 Credits Total, Including 35 Upper Division

Suggested Course Sequence

General Core Requirements	
Course	Credits
BIO 2101 General Biology (5) BIO 2102 General Biology (5) BIO 2103 General Biology (5)	15
BIO 3325 Genetics	5
BIO 4352 Cell Biology	5
BIO 4330 Evolutionary Mechanisms	3
BIO 4413 Animal Physiology (5) BIO 4415 Plant Physiology (5)	5
BIO 3320 Principles of Development (5) BIO 3432 Biodiversity:Vertebrate Biology (5) BIO 3453 Biodiversity:Plant Ident & Tax (5) BIO 3456 Mycology (3) BIO 4435 Biodiversity:Parasites & Pests (5) BIO 4740 Marine Invertebrate Zoology (5) BIO 4744 Marine Botany (5)	3
BIO 3310 Ecology (5) BIO 4810 Marine Ecology (5) BIO 4815 Aquatic Ecology (5) BIO 4825 Forest Ecology (5)	5
BIO 4978 Biological Research Proposal (1) BIO 4979 Biological Research (2)	3
BIO 4899 Natural Sciences Seminar	2
SECTION CREDITS REQUIRED	46
Required Supporting Courses	
Course	Credits
CHM 1211 General Chemistry I (5) CHM 1212 General Chemistry II (5)	10
CHM 3371 Organic Chemistry I (5) CHM 3372 Organic Chemistry II (5) CHM 3373 Organic Chemistry III (5)	15

BIO 4360 Biostatistics (5)	
CHM 2540 Introductory Inorganic Chemistry (5)	5
CHM 3225 Chemical Equilibrium & Analys (5)	
CHM 3540 Introductory Inorganic Chem (5)	
MAT 1221 Survey of Calculus (5)	5
OR	
MAT 1225 Calculus (5)	10
MAT 1226 Calculus (5)	
HSC 4044 Biomed Tests, Measrmts & Stats (5)	5
MAT 1360 Introduction to Statistics (5)	
SECTION CREDITS REQUIRED	40
Field Biology Requirement (may be met in General Core)	
Course	Credits
BIO 4117 Birds of the Pacific Northwest (5)	
BIO 4735 Marine Biology (5)	
BIO 4740 Marine Invertebrate Zoology (5)	
BIO 4744 Marine Botany (5)	
BIO 4810 Marine Ecology (5)	
BIO 4815 Aquatic Ecology (5)	3
BIO 4820 Ecomorphology (5)	
BIO 4825 Forest Ecology (5)	
BIO 4830 Ecological Restoration Workshp (2)	
BIO 4835 Conservation Biology (5)	
BIO 4880 Blakely Field Studies (5)	
BIO 4950 Special Studies in Biology (1-5)	
SECTION CREDITS REQUIRED	3
Electives in Upper Division Biology Courses	14
TOTAL CREDITS REQUIRED	103

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BS IN BIOLOGY OPTION II: EMPHASIS IN HUMAN BIOLOGY

107 Credits Total, Including 23 Upper Division

[Suggested Course Sequence](#)

General Core Requirements	
Course	Credits
BIO 2101 General Biology (5)	
BIO 2102 General Biology (5)	15
BIO 2103 General Biology (5)	
BIO 2129 Human Anatomy & Physiology (5)	10
BIO 2130 Human Anatomy & Physiology (5)	
BIO 3351 General Microbiology	5
BIO 4899 Natural Sciences Seminar	2

SECTION CREDITS REQUIRED	32
Required Supporting Courses	
Course	Credits
CHM 1211 General Chemistry I(5) CHM 1212 General Chemistry II(5)	10
CHM 1330 Organic & Biological Chemistry	5
CHM 2540 Introductory Inorganic Chemistry	5
HSC 4044 Biomed Tests, Measrmts & Stats(5) MAT 1360 Introduction to Statistics(5)	5
PES 3570 Biomechanics	5
PES 3580 Exercise Physiology	5
PHY 1101 General Physics(5) PHY 1102 General Physics(5) PHY 1103 General Physics(5)	15
OR	
PHY 1121 Physics for Sci & Engineering(5) PHY 1122 Physics for Sci & Engineering(5) PHY 1123 Physics for Sci & Engineering(5)	15
PSY 1180 Gen Psych:Individual in Growth	5
PSY 2470 Life Span Developmental Psych(5) PSY 4420 Adolescent Developmental Psych(5)	5
PSY 4460 Abnormal Psychology	5
SECTION CREDITS REQUIRED	65
Electives in Biology Courses	
Course	Credits
BIO 3320 Principles of Development(5) BIO 3325 Genetics(5) BIO 3432 Biodiversity:Vertebrate Biolgy(5) BIO 3434 Animal Behavior(5) BIO 4256 Environmental Physiology(5) BIO 4413 Animal Physiology(5) BIO 4418 Neurobiology(5) BIO 4420 Histology & Microscopic Tech(5) BIO 4435 Biodiversity:Parasites & Pests(5)	10
SECTION CREDITS REQUIRED	10
TOTAL CREDITS REQUIRED	107

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

B.S. IN BIOLOGY OPTION III: BIOTECHNOLOGY/MOLECULAR BIOLOGY

110 Credits Total, Including 26 Upper Division

Suggested Course Sequence

General Core Requirements	
Course	Credits
BIO 2101 General Biology (5)	15
BIO 2102 General Biology (5)	
BIO 2103 General Biology (5)	
BIO 2600 Biotechnology Seminar	1
BIO 3325 Genetics	5
BIO 3350 Immunology	3
BIO 3351 General Microbiology (5)	5
BIO 4340 Advanced Microbiology (5)	
BIO 4325 Molecular Biology	5
BIO 4352 Cell Biology	5
BIO 4413 Animal Physiology (5)	5
BIO 4415 Plant Physiology (5)	
BIO 4418 Neurobiology (5)	
BIO 4361 Biochemistry (5)	10
BIO 4362 Biochemistry (5)	
BIO 4615 Issues & Values in Biology	3
BIO 4940 Internship in Biology	3
BIO 4899 Natural Sciences Seminar	2
SECTION CREDITS REQUIRED	62
Required Supporting Courses	
Course	Credits
CHM 1211 General Chemistry I (5)	10
CHM 1212 General Chemistry II (5)	
CHM 3371 Organic Chemistry I (5)	15
CHM 3372 Organic Chemistry II (5)	
CHM 3373 Organic Chemistry III (5)	
CHM 3225 Chemical Equilibrium & Analys	5
MAT 1221 Survey of Calculus (5)	5
OR	
MAT 1225 Calculus (5)	10
MAT 1226 Calculus (5)	
HSC 4044 Biomed Tests, Measrmts & Stats (5)	5
MAT 1360 Introduction to Statistics (5)	
SECTION CREDITS REQUIRED	40
Required from Shoreline CC: BioSc260(4) and BioSc245(4)	8
TOTAL CREDITS REQUIRED	110

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BS IN BIOLOGY OPTION IV: EMPHASIS IN ECOLOGY

106 Credits Total, Including 40 Upper Division

Suggested Course Sequence

Field Biology Requirement (may be met in General Core)	
Course	Credits
BIO 4117 Birds of the Pacific Northwest (5)	
BIO 4735 Marine Biology (5)	
BIO 4740 Marine Invertebrate Zoology (5)	
BIO 4744 Marine Botany (5)	
BIO 4810 Marine Ecology (5)	
BIO 4815 Aquatic Ecology (5)	3
BIO 4820 Ecomorphology (5)	
BIO 4825 Forest Ecology (5)	
BIO 4830 Ecological Restoration Workshp (2)	
BIO 4835 Conservation Biology (5)	
BIO 4880 Blakely Field Studies (5)	
BIO 4950 Special Studies in Biology (1-5)	
SECTION CREDITS REQUIRED	3
General Core Requirements	
Course	Credits
BIO 2101 General Biology (5)	
BIO 2102 General Biology (5)	15
BIO 2103 General Biology (5)	
BIO 3310 Ecology	5
BIO 3325 Genetics	5
BIO 3453 Biodiversity:Plant Ident & Tax	5
BIO 4256 Environmental Physiology (5)	
BIO 4413 Animal Physiology (5)	5
BIO 4415 Plant Physiology (5)	
BIO 4330 Evolutionary Mechanisms	3
BIO 4360 Biostatistics	5
BIO 4810 Marine Ecology (5)	
BIO 4815 Aquatic Ecology (5)	5
BIO 4825 Forest Ecology (5)	
BIO 4835 Conservation Biology (5)	
BIO 4978 Biological Research Proposal	1
BIO 4979 Biological Research	1-4
BIO 4899 Natural Sciences Seminar	1
SECTION CREDITS REQUIRED	53

Supporting Courses	
Course	Credits
CHM 1211 General Chemistry I (5) CHM 1212 General Chemistry II (5)	10
CHM 1330 Organic & Biological Chemistry (5) CHM 3371 Organic Chemistry I (5) CHM 3372 Organic Chemistry II (5)	5
MAT 1360 Introduction to Statistics	5
MAT 1221 Survey of Calculus (5) MAT 1225 Calculus (5)	5
SECTION CREDITS REQUIRED	25
Two of the following:	
Course	Credits
BIO 4950 Special Studies in Biology (1-5) CHM 2540 Introductory Inorganic Chemistry (5) CHM 3372 Organic Chemistry II (5) CHM 3373 Organic Chemistry III (5) CSC 1230 Problem Solving & Programming (5) CSC 2430 Data Structures I (5) CSC 2431 Data Structures II (5) MAT 1226 Calculus (5) MAT 1228 Series & Differential Equation (5) PHY 1101 General Physics (5) PHY 1102 General Physics (5) PHY 1103 General Physics (5) PHY 1121 Physics for Sci & Engineering (5) PHY 1122 Physics for Sci & Engineering (5) PHY 1123 Physics for Sci & Engineering (5)	10
SECTION CREDITS REQUIRED	10
Restricted Electives	
Course	Credits
BIO 3432 Biodiversity: Vertebrate Biology (5) BIO 3434 Animal Behavior (5) BIO 3456 Mycology (3) BIO 4117 Birds of the Pacific Northwest (5) BIO 4256 Environmental Physiology (5) BIO 4735 Marine Biology (5) BIO 4740 Marine Invertebrate Zoology (5) BIO 4744 Marine Botany (5) BIO 4810 Marine Ecology (5) BIO 4815 Aquatic Ecology (5) BIO 4820 Ecomorphology (5) BIO 4825 Forest Ecology (5) BIO 4830 Ecological Restoration Workshop (2) BIO 4835 Conservation Biology (5) BIO 4880 Blakely Field Studies (5)	15
SECTION CREDITS REQUIRED	15
TOTAL CREDITS REQUIRED	106

Additional Requirements:

For information about additional non-credit requirements in the major,

refer to the major's general information page in the catalog

BIOLOGY MINOR: MUST COMPLETE 2 OF 4 GROUPS PLUS CORE COURSES

34 Credits Total, Including 15 Upper Division

Biology Minor Core	
Course	Credits
BIO 2101 General Biology	5
BIO 2102 General Biology	5
BIO 2103 General Biology	5
BIO 4615 Issues & Values in Biology	3
SECTION CREDITS REQUIRED	18
Molecular and Cellular Group	
Course	Credits
BIO 3325 Genetics (5)	
BIO 3350 Immunology (3)	
BIO 3351 General Microbiology (5)	8
BIO 4325 Molecular Biology (5)	
BIO 4340 Advanced Microbiology (5)	
BIO 4352 Cell Biology (5)	
SECTION CREDITS REQUIRED	8
Anatomy and Physiology Group	
Course	Credits
BIO 2129 Human Anatomy & Physiology (5)	
BIO 2130 Human Anatomy & Physiology (5)	
BIO 4256 Environmental Physiology (5)	
BIO 4413 Animal Physiology (5)	8
BIO 4415 Plant Physiology (5)	
BIO 4418 Neurobiology (5)	
BIO 4420 Histology & Microscopic Tech (5)	
SECTION CREDITS REQUIRED	8
Organismal Biology Group	
Course	Credits
BIO 3432 Biodiversity:Vertebrate Biology (5)	
BIO 3434 Animal Behavior (5)	
BIO 3453 Biodiversity:Plant Ident & Tax (5)	
BIO 3456 Mycology (3)	
BIO 4117 Birds of the Pacific Northwest (5)	8
BIO 4435 Biodiversity:Parasites & Pests (5)	
BIO 4735 Marine Biology (5)	
BIO 4740 Marine Invertebrate Zoology (5)	
BIO 4744 Marine Botany (5)	
SECTION CREDITS REQUIRED	8
Ecology and Evolution Group	
Course	Credits
BIO 3310 Ecology (5)	
BIO 4330 Evolutionary Mechanisms (3)	8
BIO 4810 Marine Ecology (5)	
BIO 4815 Aquatic Ecology (5)	

BIO 4820 Ecomorphology (5)	
BIO 4825 Forest Ecology (5)	
BIO 4835 Conservation Biology (5)	
BIO 4950 Special Studies in Biology (1-5)	
SECTION CREDITS REQUIRED	8
TOTAL CREDITS REQUIRED	34

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BIOLOGY COURSE DESCRIPTIONS

<p>BIO 1100 Biological Science (5) Offerings</p> <p>Intended for non-biology majors. Emphasis varies quarterly: human nutrition, animal biology, environmental biology, biological diversity, marine biology, and others. Basic concepts include the chemistry of living things, their structure and function, and their interactions with the environment. Applications to current issues are considered from a Christian perspective. No credit will be given for students who have taken BIO 2101, 2102, 2103, 2129, 2130, or who have advanced placement biology credit. Also offered at Blakely Island Field Station and as a study tour.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>BIO 2101 General Biology (5) Offerings</p> <p>Prerequisites: One year of high school chemistry, CHM 1100, or equivalent. Intended for students majoring in biology. Surveys scientific method, chemistry of living organisms, organization of cells, and foundations of genetics and molecular biology. Includes laboratory. Extra fee.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>BIO 2102 General Biology (5) Offerings</p> <p>Prerequisite: BIO 2101 or permission of instructor. Intended for students majoring in biology. Surveys animal classification, structure, function, development, and behavior. Includes laboratory. Extra fee.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>BIO 2103 General Biology (5) Offerings</p> <p>Prerequisite: BIO 2101 or permission of instructor. Intended for students majoring in biology. Surveys the non-animal kingdoms. Also covers plant structure and function, evolutionary mechanisms, and ecology. Includes laboratory. Extra fee.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>BIO 2129 Human Anatomy & Physiology (5) Offerings</p> <p>Studies the structure and function of the human organism. Includes cells and tissues, skeletal, integumentary, muscular, and nervous systems. Includes laboratory.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>BIO 2130 Human Anatomy & Physiology (5) Offerings</p> <p>Studies the structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal, and reproductive systems. Includes laboratory.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>BIO 2600 Biotechnology Seminar (1) Offerings</p>

A seminar course for students interested in biotechnology as a career. Includes student presentations and speakers from local biotechnology companies.

BIO 3310 Ecology (5) [Offerings](#)

Prerequisites: BIO 2103 and MAT 1360, or HSC 4044. Explores the factors and mechanisms responsible for population dynamics, community structure, and the function of ecosystems. Includes laboratory.

Attributes: *Upper-Division, Writing "W" Course*

BIO 3320 Principles of Development (5) [Offerings](#)

Prerequisites: BIO 2102 or equivalent. Surveys principles of developmental biology in vertebrates and representative invertebrate models. Required laboratory is devoted to experimental and descriptive approaches to the study of development. Extra fee.

Attributes: *Upper-Division*

BIO 3325 Genetics (5) [Offerings](#)

Prerequisites: BIO 2101, and MAT 1360 or HSC 4044. Introduces inheritance of specific traits through the study of transmission genetics. Focuses on the biology of genes and chromosomes, including DNA replication, transcription, and translation. Biotechnology and its applications are also presented. Biological statistics are emphasized throughout the course. Includes laboratory. Extra fee.

Attributes: *Upper-Division*

BIO 3350 Immunology (3) [Offerings](#)

Prerequisites: BIO 2101, or BIO 2129 and 2130. Surveys specific and non-specific immune responses, the body's response to infection by viruses, bacteria and other foreign material, and current topics in immunological research. No laboratory. Offered alternate years.

Attributes: *Upper-Division*

BIO 3351 General Microbiology (5) [Offerings](#)

Prerequisite: BIO 2101, or BIO 2129 and 2130. Gives an overview of the field of microbiology with an emphasis on the bacterial, viral and fungal organisms that cause disease in humans and animals. Required laboratory focuses on the appropriate handling, growth, and processing of microorganisms for clinical applications. Extra fee.

Attributes: *Upper-Division*

BIO 3432 Biodiversity:Vertebrate Biolgy (5) [Offerings](#)

Prerequisites: BIO 2102, 2103. Examines vertebrate life in an evolutionary context through the study of adaptations, comparative anatomy, paleontology, and natural history. Includes laboratory. Offered alternate years.

Attributes: *Upper-Division*

BIO 3434 Animal Behavior (5) [Offerings](#)

Prerequisites: BIO 2102, 2103. Examines the mechanisms and evolution of behavior in the major animal groups, exploring the application of scientific thinking and methodology to the study of animal behavior. Includes laboratory/discussion. Offered alternate years.

Attributes: *Upper-Division, Writing "W" Course*

BIO 3453 Biodiversity:Plant Ident & Tax (5) [Offerings](#)

Prerequisite: BIO 2103. Explores sampling, identification, and systematics of the major plant families with special emphasis on the flora of the Pacific Northwest. Includes laboratory/field studies. Offered alternate years.

Attributes: *Upper-Division*

BIO 3456 Mycology (3) [Offerings](#)

Prerequisite: BIO 2103. Considers the members of the Kingdom Fungi and some pseudofungal organisms.

We will consider the taxonomy, identification, morphology, ultrastructure, ecology, environmental importance, and commercial value of fungi.

Attributes: *Upper-Division*

BIO 4117 Birds of the Pacific Northwest (5) Offerings

Prerequisite: BIO 2102. Study of birds common to the Puget Sound area and adjacent regions. Class activities include field observations, lectures, library research, and laboratory study. Offered alternate years; includes field trips to Blakely campus and other locales. Extra fee.

Attributes: *Upper-Division*

BIO 4256 Environmental Physiology (5) Offerings

Prerequisites: BIO 2102 and CHM 2372. Studies organisms in relation to the physical factors of the environment. Examines physiological and biochemical aspects of adaptation. Includes laboratory. Offered alternate years.

Attributes: *Upper-Division, Writing "W" Course*

BIO 4325 Molecular Biology (5) Offerings

Prerequisites: BIO 2101, 3325. Explores gene regulation and expression in several organisms including bacteria, viruses, yeast, plants, and animals. Principles of molecular genetics and genetic engineering including gene mapping, DNA isolation and amplification, gene cloning, gel electrophoresis, PCR, and sequencing. Advanced topics in molecular biological research will be presented. Includes intensive laboratory. Extra fee.

Attributes: *Upper-Division, Writing "W" Course*

BIO 4330 Evolutionary Mechanisms (3) Offerings

Prerequisites: BIO 3325. Explores population genetics as a mechanism of evolutionary change, emphasizing mutation, recombination, and selection. Considers speciation, quantitative genetics, neutral theory, phylogenetic systematics, history, and extinction. Includes discussion of micro-evolutionary and macro-evolutionary changes. No laboratory.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Non-Matriculated are excluded.*

BIO 4340 Advanced Microbiology (5) Offerings

Prerequisite: BIO 2101. Broad coverage of advanced microbiology themes, including genomics, diversity, biochemistry, genetics, and ecology of microbial systems. Required laboratory focuses on independent student research projects using microbial model systems. Extra fee.

Attributes: *Upper-Division*

BIO 4352 Cell Biology (5) Offerings

Prerequisites: BIO 3325 and CHM 3371. Examines structure and functions of bacteria, plants, and animals, emphasizing cellular specialization, organelle models, and chemical dynamics. Includes laboratory. Extra fee.

Attributes: *Upper-Division, Writing "W" Course*

BIO 4360 Biostatistics (5) Offerings

Prerequisite: MAT 1360. Explores the nature and use of measurement and evaluation and standardized testing. Develops concepts and skills in the development, selection, administration, and interpretation of statistical tests. Specific topics covered may include the following: Analysis of variance and covariance; chi square tests; nonparametric procedure multiple and curvilinear regression; experimental design power of tests; and use of computer programs in standard statistical problems.

Attributes: *Upper-Division*

BIO 4361 Biochemistry (5) Offerings

Prerequisite: CHM 3373. Studies chemical properties of biological compounds: carbohydrates, lipids, amino acids and proteins, and nucleic acids. Metabolism: biochemical energetics, enzymes, electron transport, and oxidative phosphorylation. Integration of metabolism: biochemical genetics, metabolic regulation.

Includes laboratory. Extra fee. <u>Attributes:</u> <i>Upper-Division</i>
BIO 4362 Biochemistry (5) Offerings Prerequisite: BIO 4361. Continuation of BIO 4361. Studies chemical properties of biological compounds: carbohydrates, lipids, amino acids, proteins, and nucleic acids. Metabolism: biochemical energetics, enzymes, electron transport, and oxidative phosphorylation. Integration of metabolism: biochemical genetics, metabolic regulation. Includes laboratory. Extra fee. <u>Attributes:</u> <i>Upper-Division</i>
BIO 4363 Biochemistry (3) Offerings Prerequisite: BIO 4362 or permission of instructor. Explores selected topics including immunoglobulins and the immune system; bacterial cell walls; membrane transport; hormone action; control of expression; genetic code; muscle contraction; cell physiology; drug action; protein folding; HIV mechanisms; and mechanisms of infectious disease. Seminar format with leading researchers presenting current work. No laboratory. <u>Attributes:</u> <i>Upper-Division</i>
BIO 4413 Animal Physiology (5) Offerings Prerequisites: BIO 2102 or BIO 2130, and CHM 1330 or CHM 3372. Investigates physiology of animals, emphasizing endocrine and neuro-coordinating systems, cardiovascular, muscular, renal, and reproductive physiology of invertebrate and vertebrate organisms. Includes laboratory. Extra fee. <u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i>
BIO 4415 Plant Physiology (5) Offerings Prerequisites: BIO 2103, CHM 3371. Considers photosynthesis, material transport, seed germination, growth and development, flowering and fruiting, and hormones of plants. The relationship of structure and function will be emphasized. Includes laboratory. Extra fee. <u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i>
BIO 4418 Neurobiology (5) Offerings Prerequisites: BIO 2102 or 2129. An introduction to the neurosciences, focusing on fundamental concepts and comparative aspects of nervous-system structure and function. Laboratory makes extensive use of invertebrate models to examine the cellular basis of behavior, including neuronal morphology, electrophysiology, and transmitter chemistry. Includes laboratory. Offered alternate years. Extra fee. <u>Attributes:</u> <i>Upper-Division</i>
BIO 4420 Histology & Microscopic Tech (5) Offerings Prerequisites: BIO 2102. BIO 4352 recommended. Examines microscopic anatomy of cells, tissues, and organ/systems, examining their structure and the morphological evidences of their function. Emphasizes human histology. Includes laboratory. Offered alternate years. Extra fee. <u>Attributes:</u> <i>Upper-Division</i>
BIO 4435 Biodiversity:Parasites & Pests (5) Offerings Prerequisite: BIO 2102. Explores the biology and classification of medically and economically important organisms, with emphasis on protozoa, parasitic worms, insects, and mites. Provides a survey of parasitic disease, vector biology, and animal pests of livestock and crops. Includes laboratory. Offered alternate years. Extra fee. <u>Attributes:</u> <i>Upper-Division</i>
BIO 4615 Issues & Values in Biology (3) Offerings Examines ethical aspects of current issues in biology that help shape a Christian worldview and value system. <u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>

BIO 4735 Marine Biology (5) [Offerings](#)

Prerequisites: BIO 2102, 2103. Study of the marine environment and the identification, unique features, and natural history of the organisms inhabiting it. Extra fee.

Attributes: *Upper-Division*

BIO 4740 Marine Invertebrate Zoology (5) [Offerings](#)

Prerequisite: BIO 2102. Provides a field and laboratory course emphasizing identification, life histories, habitats, and interrelationships of Pacific Northwest marine invertebrates. Includes laboratory. Normally taught Summer Quarter at Blakely Island. Extra fee.

Attributes: *Upper-Division*

BIO 4744 Marine Botany (5) [Offerings](#)

Prerequisite: BIO 2103. Provides a field and laboratory course emphasizing identification, life histories, habitats, and interrelationships of marine plants with emphasis on local flora and Blakely Island. Includes laboratory. Normally taught in summer at Blakely Island Field Station. Extra fee.

Attributes: *Upper-Division*

BIO 4810 Marine Ecology (5) [Offerings](#)

Prerequisites: BIO 2102, 2103. Considers recent advances in marine ecology. Symbioses, predation, herbivory, and interactions with the physical environment will be emphasized. Laboratory and field work will include the application of ecological techniques to a specific problem and will include the writing of reports describing the results. Offered during the Summer Quarter at Blakely Island Field Station. Extra fee.

Attributes: *Upper-Division, Writing "W" Course*

BIO 4815 Aquatic Ecology (5) [Offerings](#)

Prerequisite: BIO 2102. Introduces students to the biology of freshwater organisms. The physical, chemical, and biological characteristics of flowing and standing water habitats will be studied. The field and laboratory work will focus on lakes, streams, and marshes. Offered Summer Quarter at Blakely Island Field Station. Extra fee.

Attributes: *Upper-Division*

BIO 4820 Ecomorphology (5) [Offerings](#)

Prerequisite: BIO 2102. Provides an introduction to the study of ecological morphology. Relationships between the environment and the structure, functional design, and behavior of organisms are examined through a combination of lectures, laboratory work, and field observations. Offered Summer Quarter at Blakely Island Field Station. Extra Fee.

Attributes: *Upper-Division*

BIO 4825 Forest Ecology (5) [Offerings](#)

Prerequisite: BIO 2103. Examines the organisms that comprise the forest ecosystem and their interaction with the physical environment. Emphasis will be placed on field study of forest community composition and the forest as a biologically modified habitat. Normally offered Summer Quarter at Blakely Island Field Station. Extra fee.

Attributes: *Upper-Division*

BIO 4830 Ecological Restoration Workshop (2) [Offerings](#)

A workshop providing practical experience in restoring damaged forest or wetland sites on Blakely Island, combined with readings and discussions of technical, social, and spiritual issues related to the emerging interdisciplinary area of ecological restoration. Normally offered Summer Quarter at Blakely Island Field Station. Extra Fee.

Attributes: *Upper-Division*

BIO 4835 Conservation Biology (5) [Offerings](#)

Prerequisite: BIO 2103 or equivalent. Considers values of, threats to, and strategies for conserving biodiversity. Theories of conservation biology will be applied to local biodiversity on Blakely Island. Field

exercises will focus on assessing biodiversity of distinct taxa and honing skills for identifying the diversity of plants and animals near the field station. Extra fee.

Attributes: *Upper-Division*

BIO 4880 Blakely Field Studies (5) Offerings

Provides a brief (e.g., weekend) field learning experience focusing on a single aspect of the Blakely Island environment, such as fresh water, marine, or terrestrial habitats. Offered at Blakely Island Field Station. Extra fee. Course may only be repeated for credit if a different topic is studied. May be repeated for credit up to 5 credits.

Attributes: *Upper-Division*

BIO 4899 Natural Sciences Seminar (1) Offerings

A capstone experience for seniors that explores current natural sciences topics in an interdisciplinary setting. Seminars addressing current research advances, ethical issues in science, or the intersection of science, vocation, and Christian faith are presented by faculty, students, and guest scholars. Discussion and reflection incorporate appropriate readings. A minimum of two quarters of seminar must be completed during the senior year to fulfill the senior capstone requirement. May be repeated for credit up to 3 credits.

Attributes: *Upper-Division* Restrictions: *Senior students only.*

BIO 4900 Independent Study in Biology (1-5) Offerings

Directed readings and/or investigation on special topics. May be repeated for credit up to 5 credits.

Attributes: *Upper-Division*

BIO 4917 LASP: Science Seminar (6) Offerings

Prerequisite: Acceptance into Latin American Studies program. Taught through the semester-long program of the Council for Christian Colleges and Universities in Costa Rica. This seminar introduces students to biological field studies in a tropical location. May be taken as an alternative to SBS 4919, but is not recommended for the LAS major. Part of the tropicals science track.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated students are excluded.*

BIO 4918 LASP: Field Research (3) Offerings

Prerequisite: Acceptance into the Latin American Studies program. Taught through semester-long program of the Council for Christian Colleges and Universities in Costa Rica. Part of the tropical science track.

Attributes: *Upper-Division*

BIO 4930 Biology Practicum (1-5) Offerings

Provides opportunity for applied biology. Selected students are assigned teaching, grading, lab preparation, and/or tutoring responsibilities. May be repeated for credit up to 5 credits.

Attributes: *Upper-Division*

BIO 4940 Internship in Biology (1-5) Offerings

Provides a significant learning experience under faculty supervision in a work-study environment either on or off campus. May be repeated for credit up to 5 credits.

Attributes: *Upper-Division*

BIO 4950 Special Studies in Biology (1-5) Offerings

Provides selected field-study topics offered at Biology Department's discretion: Hawaiian marine biology; Caribbean marine biology (e.g., Belize); Galapagos Islands natural history; Sonoran Desert biology; Alpine flora; and others. May be repeated for credit up to 6 credits.

Attributes: *Upper-Division*

BIO 4970 Research Methods in Biology (1-5) Offerings

Provides theoretical foundation and practical experience in specific research methods used in the biological sciences. Each course focuses on a single research methodology, such as scanning or transmission electron microscopy (SEM, TEM), fluorescence microscopy, nucleic acid sequencing and others. Extra fee.

May be repeated for credit up to 15 credits.

Attributes: *Upper-Division*

BIO 4978 Biological Research Proposal (1) Offerings

The student will prepare a proposal including a literature review and methods description for a biological research project.

Attributes: *Upper-Division, Writing "W" Course*

BIO 4979 Biological Research (1-4) Offerings

Prerequisite: BIO 4978. The student will conduct research based on a proposal prepared prior to registering for this course. Results of the research will be presented at undergraduate or professional symposia. May be repeated for credit up to 12 credits.

Attributes: *Upper-Division*

CHM 1211 General Chemistry I (5) Offerings

Prerequisites: Requires two years high school mathematics (including algebra), a passing score on the SPU Mathematics Proficiency exam (or completion of the required MAT 0120 credits), one year of high school chemistry, or CHM 1100 and passing the Chemistry Placement test. Introduces properties of matter, stoichiometry, chemical reactions, thermochemistry, states of matter, chemical bonding, and atomic and molecular structure. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

CHM 1212 General Chemistry II (5) Offerings

Prerequisite: CHM 1211 or equivalent. Builds upon CHM 1211 topics. Introduces molecular and solid state structure and bonding, properties of gases, liquids and solutions, concepts of thermodynamics, chemical kinetics, chemical equilibria, acid-base and oxidation-reduction reactions. Includes lab. Extra fee.

CHM 1330 Organic & Biological Chemistry (5) Offerings

Prerequisite: CHM 1211. Studies simpler laws of organic chemistry, nomenclature, and classification. Simple chemistry of carbohydrates, lipids and proteins, integration of metabolisms, and chemistry of heredity. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

CHM 2540 Introductory Inorganic Chemistry (5) Offerings

Prerequisite: CHM 1212. A systematic study of chemical principles as applied to inorganic systems. It may include inorganic nomenclature, solid state structure, thermodynamics and bonding, general bonding theory, non-protonic acid-base theory, coordination chemistry, and descriptive inorganic chemistry. Includes laboratory. Extra fee.

CHM 3225 Chemical Equilibrium & Analysis (5) Offerings

Prerequisite: CHM 1212, or permission of instructor. Laboratory-oriented course dealing with chemical equilibria in solution and their applications to quantitative analysis. Some types of reactions to be studied are precipitation, acid-base, complex formation, and oxidation-reduction. Traditional wet chemical and instrumental methods will be used. Extra fee.

Attributes: *Upper-Division*

CHM 3371 Organic Chemistry I (5) Offerings

Prerequisite: CHM 1212 or permission of instructor. This is the introductory course in organic chemistry. It reviews topics such as stoichiometry, acids and bases, structure and bonding theory, nomenclature, synthesis, thermodynamics, functional groups, and reaction mechanisms as applied to organic chemistry. Laboratory work will emphasize basic methods of separation and purification representative substances. Extra fee.

Attributes: *Upper-Division*

CHM 3372 Organic Chemistry II (5) Offerings

Prerequisite: CHM 3371. A continuation of CHM 3371. Continues studies of principles of nomenclature, synthesis, thermodynamics, structure, and reaction mechanisms to a broadening collection of organic functional groups. Introduces spectroscopic methods. Laboratory work will emphasize basic methods of synthesis of representative compounds, and obtaining their spectra and other properties. Extra fee.

Attributes: Upper-Division

CHM 3373 Organic Chemistry III (5) Offerings

Prerequisite: CHM 3372. A continuation of CHM 3372. Completes a survey of the properties of common organic functional groups and introduces topics of bio-organic chemistry. Laboratory includes some qualitative identification of unknown organic compounds using chemical, physical, and instrumental techniques. Extra fee.

Attributes: Upper-Division

CHM 3540 Introductory Inorganic Chem (5) Offerings

Prerequisite: CHM 1212 or 3225. This is a systematic study of chemical principles as applied to inorganic systems. It may include inorganic nomenclature, solid state structure, thermodynamics and bonding, general bonding theory, non-protonic acid-base theory, coordination chemistry, and descriptive inorganic chemistry. Includes laboratory. Extra fee.

Attributes: Upper-Division Restrictions: Junior, Senior students only.

CSC 1230 Problem Solving & Programming (5) Offerings

Prerequisites: High school pre-calculus, math analysis, or equivalent and demonstrable computer literacy. An introduction to computer science, this course covers problem-solving methods and algorithm development; modern programming methodologies; and fundamentals of a high-level block structured language.

CSC 2430 Data Structures I (5) Offerings

Prerequisite: CSC 1230 or equivalent. Develops discipline in program design, style, debugging, testing. Introduces object-oriented design with classes, methods, and encapsulation. Introduces dynamic storage allocation and pointers. Examines arrays, linked linear data structures, and recursion.

CSC 2431 Data Structures II (5) Offerings

Continuation of CSC 2430. Covers linked data structures, including trees, and other non-linear representations; introduces graphs and networks; explores external data structures, and techniques necessary for implementing different file organizations; and methods of organizing and accessing data on secondary storage devices (indexing, trees, and hashing).

HSC 4044 Biomed Tests, Measrmts & Stats (5) Offerings

Promotes the conceptual understanding of the basic statistical procedures used in research. Helps participants achieve those computational skills needed to carry out statistical procedures in practical settings and the use of the computer in data analysis.

Attributes: Mathematics (MAT), Upper-Division Restrictions: Biology, Exercise Science, Food & Nutritional Sciences, Nursing-Int Majors only.

MAT 1221 Survey of Calculus (5) Offerings

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. An applications-oriented course with an intuitive approach, including introduction to both differential and integral calculus. Examples drawn from business, economics, biology, and the social and behavioral sciences. This course is not the prerequisite for 1226, nor can credit be received if 1225 or its equivalent has been taken.

Attributes: Mathematics (MAT)

MAT 1225 Calculus (5) Offerings
Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.
<u>Attributes:</u> <i>Mathematics (MAT)</i>
MAT 1226 Calculus (5) Offerings
Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.
MAT 1228 Series & Differential Equation (5) Offerings
Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.
MAT 1360 Introduction to Statistics (5) Offerings
Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. Explores descriptive statistics, elementary probability, binomial and normal distributions, sampling, estimating parameters, testing hypotheses, regression, and correlation.
<u>Attributes:</u> <i>Mathematics (MAT)</i>
PES 3570 Biomechanics (5) Offerings
Prerequisite: BIO 2129 or permission of instructor. Course provides information regarding the structure and function of the musculoskeletal systems and is divided into three sections. Section one reviews functional anatomy including shoulder, elbow, hip, knee and spine. Section two examines the basic principles of motion through discussion and laboratory experiment with such topics as nature of forces, Newton's laws, ground and fluid forces, work, power, energy, torque, levers and center of gravity. Section three offers analyses of selected activities including weight training, running, cycling, swimming. Lab session required.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
PES 3580 Exercise Physiology (5) Offerings
Prerequisite: BIO 2130 and PES 1301 or permission of instructor. Gives description and explanation of physiological responses and adaptations to exercise, emphasizing improvement of athletic performance and understanding the mechanisms whereby exercise may enhance health. Course includes laboratory.
<u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i>
PHY 1101 General Physics (5) Offerings
The first quarter of a general introduction to physics, intended for biology and premed majors. Covers mechanics.
<u>Attributes:</u> <i>Natural Science B</i>
PHY 1102 General Physics (5) Offerings
Prerequisite: PHY 1101. The second quarter of a general introduction to physics, intended for biology and premed majors. Covers heat, sound, fluids, electricity and magnetism.
<u>Attributes:</u> <i>Natural Science B</i>
PHY 1103 General Physics (5) Offerings
Prerequisite: PHY 1102. The third quarter of a general introduction to physics, intended for biology and premed majors. Covers light, atomic, molecular and nuclear physics.
<u>Attributes:</u> <i>Natural Science B</i>
PHY 1121 Physics for Sci & Engineering (5) Offerings
Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using

calculus. Covers mechanics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1122 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1123 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PSY 1180 Gen Psych:Individual in Growth (5) [Offerings](#)

Introduces psychological principles of intrapersonal dynamics, interpersonal relationships, human development, abnormal behavior and the psychological processes of learning, perception, motivation and cognition.

Attributes: *Social Science A*

PSY 2470 Life Span Developmental Psych (5) [Offerings](#)

Prerequisite: PSY 1180. Surveys human development from conception to death, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within social and cultural contexts, including developmental tasks and transitions associated with developmental stages.

PSY 4420 Adolescent Developmental Psych (5) [Offerings](#)

Prerequisite: PSY 1180. Provides an overview of adolescent development focusing on the interaction of the physical, cognitive, emotional, moral, social, familial, educational and vocational dimensions within social and cultural contexts. Includes an introduction to the observation, measurement and evaluation of adolescents.

Attributes: *Upper-Division*

PSY 4460 Abnormal Psychology (5) [Offerings](#)

Prerequisites: PSY 1180. Provides critical analysis of the history, etiology and symptomatology of abnormal behavior with reference to modern methods of assessment and treatment. Emphasizes an interdisciplinary approach to understanding maladaptive behavior.

Attributes: *Upper-Division*

BIOLOGY DEPARTMENT FACULTY

Bester-Meredith, Janet Kay. Assistant Professor of Biology; B.A., Pomona College 1995; Master of Science, University of Wisc Milwaukee 1997; Doctor of Philosophy, University of Wisc Milwaukee 2001. At SPU since 2003. ([Contact Info](#))

Bishop, Cynthia Rae. Assistant Professor of Biology; B.S., Seattle Pacific University 1980; D.V.M., Washington State University 1984. At SPU since 2000. ([Contact Info](#))

Congdon, Bruce David. Dean, College of Arts & Sciences; B.S., Coll Ozarks 1979; Master of Science, Colorado State University 1981; Doctor of Philosophy, University of Calif Riverside 1985. At SPU since 1985. ([Contact Info](#))

Fitch, Cynthia. Associate Professor of Biology; B.S., McMurry University 1985; Doctor of Philosophy, Iowa State University 1990. At SPU since 1994. ([Contact Info](#))

Long, Eric Shaffer. Assistant Professor of Biology; B.S., Wheaton College IL 1998; Master of Science, University of North Dakota Williston 2001; Doctor of Philosophy, Pennsylvania State University University Park 2005. At SPU since 2006. ([Contact Info](#))

Moore, Kenneth. Professor of Biology; B.A., Evangel University 1960; Master of Arts, University of Missouri

Kansas City 1963; Doctor of Philosophy, University of New Mexico Albuquerque 1975. At SPU since 1975. ([Contact Info](#))

Nelson, Timothy Alan. Professor of Biology; Director of Blakely Island Field Station; B.S., Seattle Pacific University 1987; Doctor of Philosophy, University of Washington 1995. At SPU since 1995. ([Contact Info](#))

Ridgway, Richard L. Department Chair of Biology / Associate Professor of Biology; B.S., Seattle Pacific University 1977; Master of Science, Washington State University 1983; Doctor of Philosophy, Washington State University 1988. At SPU since 1991. ([Contact Info](#))

Wood, Derek William. Assistant Professor of Biology; B.S., Washington State University 1991; Doctor of Philosophy, University of Arizona 1997. At SPU since 2004. (

CHEMISTRY AND BIOCHEMISTRY

Science Building
206-281-2351
www.spu.edu/depts/chemistry

FACULTY: [Kevin Lloyd Bartlett](#), [E. Lawrence Gulberg](#), [Benjamin James McFarland](#), [John K Mouser](#), [Lyle Bernard Peter](#), [Gregory D Phelan](#), [Charlotte W Pratt](#), [Daisy Zhang](#)

Chemistry is primarily concerned with matter, energy, and their interactions. Chemists do a wide variety of things, including the following: They make new substances, including new materials and medicines; they design new ways to make known compounds; they isolate and determine chemical structures of naturally occurring substances; they elucidate the chemical bases of biological processes; they attempt to explain the changes matter undergoes; develop and apply analytical techniques for criminal investigations and environmental problems; they sell chemicals, teach chemistry, and apply chemical knowledge to solve other societal and technological problems. Chemists are concerned about the effect their work and technology have on society and on individuals. They are in the forefront of efforts to make sure that technology serves humankind rather than vice versa. The curriculum is designed to serve persons desiring to enter a career in chemistry, biochemistry, or science education, as well as those interested in pursuing further study in medicine, dentistry, pharmacy, engineering, and the other sciences. To qualify for admission to the major or minor, a student must have a minimum 2.5 grade point average in SPU chemistry courses.

Requirements for the Chemistry Major

We are near the end of a phase-in of a new curriculum. Senior continuing students and a transfers should consult the [2003–04 SPU Undergraduate Catalog](#).

CHM 1100, CHM 1110, and CHM 1330 cannot be counted in the chemistry major or minor.

B.S. in Chemistry

67 credits in chemistry, including 51 upper-division; an additional 15 credits in math and 15 in physics

This course of study is recommended for a professional degree in chemistry or for those interested in doing graduate and other advanced work in chemistry, certain aspects of molecular biology, toxicology, and forensic science. It is guided by recommendations of the American Chemical Society and should prepare the student for graduate work in chemistry or for employment as a chemist. In order to complete this degree in four years, generally a student should begin with CHM 1211 and MAT 1225 in the first quarter of the freshman year. [Required Chemistry Courses](#) | [Required Mathematics and Physics Courses](#)

For students planning graduate studies in chemistry, additional mathematics (e.g., MAT 2228, MAT 2375, and MAT 2401) may be recommended by the advisor.

For the older literature, a reading knowledge of German is helpful for those who plan to do graduate work in chemistry. All students are urged to seek advising by a member of the chemistry/biochemistry faculty as early in their programs as possible.

B.A. in Chemistry

52 credits in chemistry, including 36 upper-division; an additional 15 credits in mathematics and 15 credits in physics

This option is suited for students preparing for medical or dental school, careers in medical technology, pharmacy or related fields, or to teach chemistry at the secondary level. Those interested in careers in medicine, dentistry, or other health related fields should refer to [Pre-Professional Health Programs](#). [Required Chemistry Courses](#) | [Required Mathematics and Physics Courses](#)

B.S. in Biochemistry

67 credits in chemistry and biology, including 46 upper-division in biology and chemistry; an additional 15 credits in mathematics and 15 credits in physics

The molecular aspects of the life sciences call for an interdisciplinary course of study in chemistry and biology, plus background support in physics and mathematics. This degree prepares students for graduate study in biochemistry and molecular biology. Biochemistry students interested in health sciences should refer to [Pre-Professional Health Programs](#). In order to complete this degree in four years, generally a student should begin with CHM 1211 and

MAT 1225 in the first quarter of the freshman year.

[Required Chemistry and Biology Courses](#) | [Required Mathematics and Physics Courses](#)

CHM 1100, CHM 1110, and CHM 1330 cannot be counted in the chemistry major or minor.

Chemistry Minor

35 credits in chemistry/biochemistry, including 20 upper-division

Must include CHM 1212 General Chemistry II (5 cr.), CHM 3371, 3372 Organic Chemistry (10 cr.). Chemistry courses must include at least two of these five areas: organic, inorganic, analytical, physical, and biochemistry.

[Required Chemistry Minor Courses](#)

Chemical Education. Students preparing for the teaching profession at the elementary level should take at least CHM 1100 or CHM 1211. (For general science major requirements in elementary teaching, see the [School of Education](#).) For junior high level a supporting endorsement provides an appropriate basis. A supporting endorsement can be obtained by completing a minor including CHM 1212, CHM 2540, CHM 3371, CHM 3372, and CHM 3225. CHM 3401 and CHM 4361 are also recommended. See [School of Education](#) for a definite description of the supporting endorsement. Students preparing for a secondary certificate should complete the requirements for a B.A. in chemistry including at least two quarters of physical chemistry.

Pre-Professional Health. The B.S. in biochemistry, or the B.S. or B.A. in chemistry including biochemistry courses, provide preparation for professional education in medicine, dentistry, and similar health-related careers.

B.A. IN CHEMISTRY

82 Credits Total, Including 32 Upper Division

[Suggested Course Sequence](#)

General Core: Chemistry	
Course	Credits
CHM 1212 General Chemistry II	5
CHM 2540 Introductory Inorganic Chemistry	5
CHM 3225 Chemical Equilibrium & Analysis	5
CHM 3371 Organic Chemistry I (5) CHM 3372 Organic Chemistry II (5) CHM 3373 Organic Chemistry III (5)	15
CHM 3401 Physical Chemistry I	4
CHM 4361 Biochemistry	5
CHM 4899 Natural Sciences Seminar	2
SECTION CREDITS REQUIRED	41
Required Mathematics and Physics Courses	
Course	Credits
MAT 1225 Calculus (5) MAT 1226 Calculus (5)	10
MAT 1228 Series & Differential Equation	5
PHY 1101 General Physics (5) PHY 1102 General Physics (5) PHY 1103 General Physics (5)	15
OR	
PHY 1121 Physics for Sci & Engineering (5) PHY 1122 Physics for Sci & Engineering (5)	15

PHY 1123 Physics for Sci & Engineering (5)	
SECTION CREDITS REQUIRED	30
Chemistry Electives Needed	11
TOTAL CREDITS REQUIRED	82

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

B.S. IN CHEMISTRY

97 Credits Total, Including 47 Upper Division

Suggested Course Sequence

General Core: Chemistry	
Course	Credits
CHM 1212 General Chemistry II	5
CHM 2540 Introductory Inorganic Chemistry	5
CHM 2960 Intro to Research Methods	1-3
CHM 3225 Chemical Equilibrium & Analysis (5)	
CHM 3227 Separation Science (2)	
CHM 3228 Electroanalytical Chemistry (2)	11
CHM 3229 Analytical Spectroscopy (2)	
CHM 3371 Organic Chemistry I (5)	
CHM 3372 Organic Chemistry II (5)	15
CHM 3373 Organic Chemistry III (5)	
CHM 3401 Physical Chemistry I (4)	
CHM 3402 Physical Chemistry II (3)	10
CHM 3403 Physical Chemistry III (3)	
CHM 3460 Physical Chemistry Laboratory	3
CHM 4542 Transition Metals	3
CHM 4899 Natural Sciences Seminar	2
SECTION CREDITS REQUIRED	55
Required Mathematics and Physics Courses	
Course	Credits
MAT 1225 Calculus (5)	
MAT 1226 Calculus (5)	10
MAT 1228 Series & Differential Equation	5
PHY 1121 Physics for Sci & Engineering (5)	
PHY 1122 Physics for Sci & Engineering (5)	15
PHY 1123 Physics for Sci & Engineering (5)	
SECTION CREDITS REQUIRED	30

Chemistry Electives (CHM 4361 and 4960 strongly recommended)	12
TOTAL CREDITS REQUIRED	97

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CHEMISTRY MINOR

35 Credits Total, Including 20 Upper Division

Chemistry Minor	
Course	Credits
CHM 1212 General Chemistry II	5
CHM 3371 Organic Chemistry I	5
CHM 3372 Organic Chemistry II	5
SECTION CREDITS REQUIRED	15
Choose 2: organic, inorganic, analytical, physical & biochem	20
TOTAL CREDITS REQUIRED	35

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CHEMISTRY COURSE DESCRIPTIONS

<p>CHM 1100 Introduction to Chemistry (5) Offerings</p> <p>Prerequisites: One and a half years of high school mathematics including algebra, or permission of instructor; passing score on the SPU Mathematics Proficiency exam or concurrent registration in the required course MAT 0120. This course is not recommended for students who have completed one year of high school chemistry. Examines the structure of matter and the tools and methods used by the chemist. Simple reactions and some current applications are studied. Can be used as preparation for CHM 1211. Includes laboratory. Extra fee.</p> <p><u>Attributes:</u> <i>Natural Science B</i></p>
<p>CHM 1110 Intro to the Nature of Science (5) Offerings</p> <p>Provides a lecture, discussion and student participation course in the physical sciences with a chemistry emphasis. Examines basic revolutions in the development of scientific views and their relationships to religious faith and human values. Also examines selected scientific concepts and theories. Provides preparation for informed decision making on some current and future societal issues. Not recommended for students with more than one high school science course.</p> <p><u>Attributes:</u> <i>Natural Science B</i></p>
<p>CHM 1211 General Chemistry I (5) Offerings</p> <p>Prerequisites: Requires two years high school mathematics (including algebra), a passing score on the SPU Mathematics Proficiency exam (or completion of the required MAT 0120 credits), one year of high</p>

school chemistry, or CHM 1100 and passing the Chemistry Placement test. Introduces properties of matter, stoichiometry, chemical reactions, thermochemistry, states of matter, chemical bonding, and atomic and molecular structure. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

CHM 1212 General Chemistry II (5) Offerings

Prerequisite: CHM 1211 or equivalent. Builds upon CHM 1211 topics. Introduces molecular and solid state structure and bonding, properties of gases, liquids and solutions, concepts of thermodynamics, chemical kinetics, chemical equilibria, acid-base and oxidation-reduction reactions. Includes lab. Extra fee.

CHM 1330 Organic & Biological Chemistry (5) Offerings

Prerequisite: CHM 1211. Studies simpler laws of organic chemistry, nomenclature, and classification. Simple chemistry of carbohydrates, lipids and proteins, integration of metabolisms, and chemistry of heredity. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

CHM 2540 Introductory Inorganic Chemistry (5) Offerings

Prerequisite: CHM 1212. A systematic study of chemical principles as applied to inorganic systems. It may include inorganic nomenclature, solid state structure, thermodynamics and bonding, general bonding theory, non-protonic acid-base theory, coordination chemistry, and descriptive inorganic chemistry. Includes laboratory. Extra fee.

CHM 2930 Chemistry Practicum (1-3) Offerings

CHM 2930 Chemistry Practicum (1-3) Registration approval: Instructor. Selected students are assigned teaching, grading, laboratory preparation, and/or tutoring responsibilities. May be repeated for credit up to 3 credits.

CHM 2960 Intro to Research Methods (1-3) Offerings

Designed for natural science majors as an introduction to the skills and methods used for research in the chemical sciences. May be repeated for credit up to 6 credits.

CHM 3225 Chemical Equilibrium & Analysis (5) Offerings

Prerequisite: CHM 1212, or permission of instructor. Laboratory-oriented course dealing with chemical equilibria in solution and their applications to quantitative analysis. Some types of reactions to be studied are precipitation, acid-base, complex formation, and oxidation-reduction. Traditional wet chemical and instrumental methods will be used. Extra fee.

Attributes: *Upper-Division*

CHM 3227 Separation Science (2) Offerings

Prerequisite: CHM 3373 or permission from instructor. Laboratory-oriented course dealing with the theory and practice of separation science (e.g., solvent extraction and chromatography). The laboratory will emphasize techniques of quantitative and instrumental analytical chromatography. Extra fee.

Attributes: *Upper-Division*

CHM 3228 Electroanalytical Chemistry (2) Offerings

Prerequisite: CHM 3225. Laboratory-oriented course dealing with the theory and practice of electroanalytical chemistry. The laboratory exercises will be selected from quantitative analytical techniques of conductometry, potentiometry, coulometry, electrogravimetry, amperometry, and voltammetry. Extra fee.

Attributes: *Upper-Division*

CHM 3229 Analytical Spectroscopy (2) Offerings

Prerequisite: CHM 3225. Laboratory-oriented course dealing with the theory and practice of atomic and molecular spectroscopy, especially as applied to quantitative analytical chemistry and molecular biology. The lectures and labs will include various topics of absorption, emission, and scattering techniques. Extra fee.

Attributes: Upper-Division

CHM 3371 Organic Chemistry I (5) Offerings

Prerequisite: CHM 1212 or permission of instructor. This is the introductory course in organic chemistry. It reviews topics such as stoichiometry, acids and bases, structure and bonding theory, nomenclature, synthesis, thermodynamics, functional groups, and reaction mechanisms as applied to organic chemistry. Laboratory work will emphasize basic methods of separation and purification representative substances. Extra fee.

Attributes: Upper-Division

CHM 3372 Organic Chemistry II (5) Offerings

Prerequisite: CHM 3371. A continuation of CHM 3371. Continues studies of principles of nomenclature, synthesis, thermodynamics, structure, and reaction mechanisms to a broadening collection of organic functional groups. Introduces spectroscopic methods. Laboratory work will emphasize basic methods of synthesis of representative compounds, and obtaining their spectra and other properties. Extra fee.

Attributes: Upper-Division

CHM 3373 Organic Chemistry III (5) Offerings

Prerequisite: CHM 3372. A continuation of CHM 3372. Completes a survey of the properties of common organic functional groups and introduces topics of bio-organic chemistry. Laboratory includes some qualitative identification of unknown organic compounds using chemical, physical, and instrumental techniques. Extra fee.

Attributes: Upper-Division

CHM 3401 Physical Chemistry I (4) Offerings

Prerequisites: CHM 1212, PHY 1103 or PHY 1123, and MAT 1228, or permission of instructor. Studies equilibrium and non-equilibrium properties of gases, liquids, and solids from thermodynamic processes. Engineering applications. Includes elements of statistical thermodynamics.

Attributes: Upper-Division

CHM 3402 Physical Chemistry II (3) Offerings

Prerequisite: CHM 2540, PHY 1103, or PHY 1123 and MAT 1228, or permission of instructor. Studies quantum theory and group theory and their applications to spectroscopy, molecular, and solid-state structures and bonding.

Attributes: Upper-Division

CHM 3403 Physical Chemistry III (3) Offerings

Prerequisite: CHM 3225, PHY 1103 or PHY 1123, and MAT 1228 or permission of instructor. Studies statistical mechanics, chemical kinetics, physical, and chemical equilibria, electrochemistry, and selected related topics.

Attributes: Upper-Division

CHM 3460 Physical Chemistry Laboratory (1-2) Offerings

Prerequisites: CHM 3225 or permission of instructor, and CHM 3401, 3402, or 3403 (may be taken concurrently with CHM 3401, 3402, or 3403). Provides opportunity for several experiments with a written report for each experiment that includes an analysis of the reliability and limits of error of the results. May include computer applications. May be repeated for credit up to 4 credits.

Attributes: Upper-Division, Writing "W" Course

CHM 3540 Introductory Inorganic Chem (5) Offerings

Prerequisite: CHM 1212 or 3225. This is a systematic study of chemical principles as applied to inorganic

systems. It may include inorganic nomenclature, solid state structure, thermodynamics and bonding, general bonding theory, non-protonic acid-base theory, coordination chemistry, and descriptive inorganic chemistry. Includes laboratory. Extra fee.

Attributes: Upper-Division Restrictions: Junior, Senior students only.

CHM 4361 Biochemistry (5) Offerings

Prerequisite: CHM 3373. Studies chemical properties of biological compounds (carbohydrates, lipids, amino acids and proteins, and nucleic acids); metabolism (biochemical energetics, enzymes, electron transport, and oxidative phosphorylation), and integration of metabolism (biochemical genetics and metabolic regulation). Includes laboratory. Extra fee.

Attributes: Upper-Division

CHM 4362 Biochemistry (5) Offerings

Prerequisite: CHM 4361. Continuation of CHM 4361. Studies chemical properties of biological compounds (carbohydrates, lipids, amino acids and proteins, and nucleic acids); metabolism (biochemical energetics, enzymes, electron transport, and oxidative phosphorylation), and integration of metabolism (biochemical genetics and metabolic regulation). Includes laboratory. Extra fee.

Attributes: Upper-Division

CHM 4363 Biochemistry (3) Offerings

Prerequisite: CHM 4362 or permission of instructor. Explores selected topics including immunoglobulins and the immune system; bacterial cell walls; membrane transport; hormone action; control of gene expression; muscle contraction; cell physiology; drug action; protein folding; HIV mechanisms; and mechanisms of infectious disease. Seminar format with leading researchers presenting current work. May be repeated for credit up to 6 credits.

Attributes: Upper-Division

CHM 4374 Advanced Organic Laboratory (3) Offerings

Prerequisites: CHM 3373 and 3225. An advanced laboratory course using synthetic separation and instrumental techniques to study properties of organic compounds. Offered alternate years.

Attributes: Upper-Division

CHM 4542 Transition Metals (3) Offerings

Prerequisites: CHM 3373 and 2540 (CHM 3402 recommended). The chemistry of the d- and f-block elements, with emphasis on the correlation of color, magnetic properties, structure, and reactivity to fundamental theory. Topics from the current chemical literature will be included. Topics may include bioinorganic chemistry, organometallic chemistry, and chemical applications of group theory. Offered alternate years.

Attributes: Upper-Division

CHM 4700 Selected Topics in Chem/Biochem (3) Offerings

An advanced course on any area of chemical science. It is designed to deepen the student's knowledge in one area of chemistry, expose him or her to the current research literature, and give him or her experience in writing and speaking critically on examples of recent research. Offered alternate years.

Attributes: Upper-Division, Writing "W" Course

CHM 4760 Advanced Synthesis (1-2) Offerings

Prerequisite: CHM 3373 (CHM 4542 is recommended). A laboratory course involving organic and/or inorganic synthesis using advanced techniques such as the handling of air-sensitive compounds, vacuum distillations and vacuum line transfers. Recommended especially for students who plan a research project involving synthesis. To be offered on demand basis. May be repeated for credit up to 4 credits.

Attributes: Upper-Division

CHM 4899 Natural Sciences Seminar (1) Offerings

A capstone experience for seniors that explores current natural sciences topics in an interdisciplinary

setting. Seminars addressing current research advances, ethical issues in science or the intersection of science, vocation and Christian faith are presented by faculty, students and guest scholars. Discussion and reflection incorporate appropriate readings. A minimum of two quarters of seminar must be completed during the senior year to fulfill the senior capstone requirement. May be repeated for credit up to 3 credits.

Attributes: Upper-Division Restrictions: Senior students only.

CHM 4900 Ind Project/Design Chm/BioChm (1-10) Offerings

Laboratory research, library research, or other individual project. A final written report is required, and the student must report orally on his or her results at a Chemistry Department seminar. May be repeated for credit up to 15 credits.

Attributes: Upper-Division, Writing "W" Course

CHM 4930 Chemistry/Biochemistry Practicum (1-5) Offerings

Selected students are assigned teaching, grading, laboratory preparation, and/or tutoring responsibilities. May be repeated for credit up to 5 credits.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

CHM 4940 Intrnshp in Chmstry/Biochemistry (1-5) Offerings

Provides a significant learning experience through a closely supervised work-study program. A final written report is required, and the student must report orally on his or her work experience at a Chemistry Department seminar. May be repeated for credit up to 10 credits.

Attributes: Upper-Division Restrictions: Chemistry Majors only. Freshman, Sophomore students are excluded.

CHM 4950 Currnt Topcs in Chmstry/Biochm (1-5) Offerings

Deals with selected chemistry topics of general interest. No laboratory. May be repeated for credit up to 5 credits.

Attributes: Upper-Division

CHM 4960 Undergrad Research Chem/Biochm (1-10) Offerings

Laboratory research done with supervision/collaboration with a faculty research advisor. A final senior thesis or journal article is required. A report at the regional conference is expected. May be repeated for credit up to 15 credits.

Attributes: Upper-Division, Writing "W" Course

MAT 1225 Calculus (5) Offerings

Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

Attributes: Mathematics (MAT)

MAT 1226 Calculus (5) Offerings

Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

MAT 1228 Series & Differential Equation (5) Offerings

Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.

PHY 1101 General Physics (5) Offerings

The first quarter of a general introduction to physics, intended for biology and premed majors. Covers mechanics.

Attributes: *Natural Science B*

PHY 1102 General Physics (5) Offerings

Prerequisite: PHY 1101. The second quarter of a general introduction to physics, intended for biology and premed majors. Covers heat, sound, fluids, electricity and magnetism.

Attributes: *Natural Science B*

PHY 1103 General Physics (5) Offerings

Prerequisite: PHY 1102. The third quarter of a general introduction to physics, intended for biology and premed majors. Covers light, atomic, molecular and nuclear physics.

Attributes: *Natural Science B*

PHY 1121 Physics for Sci & Engineering (5) Offerings

Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using calculus. Covers mechanics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1122 Physics for Sci & Engineering (5) Offerings

Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1123 Physics for Sci & Engineering (5) Offerings

Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week.

Attributes: *Natural Science B*

B.S. IN BIOCHEMISTRY

102 Credits Total, Including 49 Upper Division

Suggested Course Sequence

Required Chemistry and Biology Courses	
Course	Credits
BIO 2101 General Biology	5
BIO 3325 Genetics	5
BIO 4325 Molecular Biology	5
CHM 1212 General Chemistry II	5
CHM 2960 Intro to Research Methods	1
CHM 3371 Organic Chemistry I	5
CHM 3372 Organic Chemistry II	5
CHM 3373 Organic Chemistry III	5
CHM 3225 Chemical Equilibrium & Analys	5
CHM 3401 Physical Chemistry I	4
CHM 4361 Biochemistry	5
CHM 4362 Biochemistry	5

CHM 4363 Biochemistry	3
CHM 4899 Natural Sciences Seminar	2
SECTION CREDITS REQUIRED	60
Chemistry & Biology Electives (take any to equal 7 credits)	
Course	Credits
BIO 2102 General Biology (5)	
BIO 2103 General Biology (5)	
BIO 3350 Immunology (3)	
BIO 4352 Cell Biology (5)	
BIO 4360 Biostatistics (5)	
CHM 2540 Introductory Inorganic Chemistry (5)	
CHM 3227 Separation Science (2)	7
CHM 3228 Electroanalytical Chemistry (2)	
CHM 3229 Analytical Spectroscopy (2)	
CHM 3402 Physical Chemistry II (3)	
CHM 3403 Physical Chemistry III (3)	
CHM 3460 Physical Chemistry Laboratory (1-2)	
CHM 4542 Transition Metals (3)	
CHM 4960 Undergrad Research Chem/Biochem (1-10)	
SECTION CREDITS REQUIRED	7
Required Mathematics and Physics Courses	
Course	Credits
MAT 1225 Calculus (5)	10
MAT 1226 Calculus (5)	
MAT 1228 Series & Differential Equation	5
MAT 1360 Introduction to Statistics	5
PHY 1101 General Physics (5)	15
PHY 1102 General Physics (5)	
PHY 1103 General Physics (5)	
OR	
PHY 1121 Physics for Sci & Engineering (5)	15
PHY 1122 Physics for Sci & Engineering (5)	
PHY 1123 Physics for Sci & Engineering (5)	
SECTION CREDITS REQUIRED	35
TOTAL CREDITS REQUIRED	102

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BIOCHEMISTRY COURSE DESCRIPTIONS

BIO 2101 General Biology (5) Offerings

Prerequisites: One year of high school chemistry, CHM 1100, or equivalent. Intended for students majoring in biology. Surveys scientific method, chemistry of living organisms, organization of cells, and foundations of genetics and molecular biology. Includes laboratory. Extra fee.

Attributes: *Natural Science A*

BIO 2102 General Biology (5) [Offerings](#)

Prerequisite: BIO 2101 or permission of instructor. Intended for students majoring in biology. Surveys animal classification, structure, function, development, and behavior. Includes laboratory. Extra fee.

Attributes: *Natural Science A*

BIO 2103 General Biology (5) [Offerings](#)

Prerequisite: BIO 2101 or permission of instructor. Intended for students majoring in biology. Surveys the non-animal kingdoms. Also covers plant structure and function, evolutionary mechanisms, and ecology. Includes laboratory. Extra fee.

Attributes: *Natural Science A*

BIO 3325 Genetics (5) [Offerings](#)

Prerequisites: BIO 2101, and MAT 1360 or HSC 4044. Introduces inheritance of specific traits through the study of transmission genetics. Focuses on the biology of genes and chromosomes, including DNA replication, transcription, and translation. Biotechnology and its applications are also presented. Biological statistics are emphasized throughout the course. Includes laboratory. Extra fee.

Attributes: *Upper-Division*

BIO 3350 Immunology (3) [Offerings](#)

Prerequisites: BIO 2101, or BIO 2129 and 2130. Surveys specific and non-specific immune responses, the body's response to infection by viruses, bacteria and other foreign material, and current topics in immunological research. No laboratory. Offered alternate years.

Attributes: *Upper-Division*

BIO 4325 Molecular Biology (5) [Offerings](#)

Prerequisites: BIO 2101, 3325. Explores gene regulation and expression in several organisms including bacteria, viruses, yeast, plants, and animals. Principles of molecular genetics and genetic engineering including gene mapping, DNA isolation and amplification, gene cloning, gel electrophoresis, PCR, and sequencing. Advanced topics in molecular biological research will be presented. Includes intensive laboratory. Extra fee.

Attributes: *Upper-Division, Writing "W" Course*

BIO 4352 Cell Biology (5) [Offerings](#)

Prerequisites: BIO 3325 and CHM 3371. Examines structure and functions of bacteria, plants, and animals, emphasizing cellular specialization, organelle models, and chemical dynamics. Includes laboratory. Extra fee.

Attributes: *Upper-Division, Writing "W" Course*

BIO 4360 Biostatistics (5) [Offerings](#)

Prerequisite: MAT 1360. Explores the nature and use of measurement and evaluation and standardized testing. Develops concepts and skills in the development, selection, administration, and interpretation of statistical tests. Specific topics covered may include the following: Analysis of variance and covariance; chi square tests; nonparametric procedure multiple and curvilinear regression; experimental design power of tests; and use of computer programs in standard statistical problems.

Attributes: *Upper-Division*

CHM 1212 General Chemistry II (5) [Offerings](#)

Prerequisite: CHM 1211 or equivalent. Builds upon CHM 1211 topics. Introduces molecular and solid state structure and bonding, properties of gases, liquids and solutions, concepts of thermodynamics, chemical kinetics, chemical equilibria, acid-base and oxidation-reduction reactions. Includes lab. Extra fee.

CHM 2540 Introductory Inorganic Chemistry (5) [Offerings](#)

Prerequisite: CHM 1212. A systematic study of chemical principles as applied to inorganic systems. It may include inorganic nomenclature, solid state structure, thermodynamics and bonding, general bonding theory, non-protonic acid-base theory, coordination chemistry, and descriptive inorganic chemistry. Includes laboratory. Extra fee.

CHM 2960 Intro to Research Methods (1) [Offerings](#)

Designed for natural science majors as an introduction to the skills and methods used for research in the chemical sciences. May be repeated for credit up to 6 credits.

CHM 3225 Chemical Equilibrium & Analyt (5) [Offerings](#)

Prerequisite: CHM 1212, or permission of instructor. Laboratory-oriented course dealing with chemical equilibria in solution and their applications to quantitative analysis. Some types of reactions to be studied are precipitation, acid-base, complex formation, and oxidation-reduction. Traditional wet chemical and instrumental methods will be used. Extra fee.

Attributes: *Upper-Division*

CHM 3227 Separation Science (2) [Offerings](#)

Prerequisite: CHM 3373 or permission from instructor. Laboratory-oriented course dealing with the theory and practice of separation science (e.g., solvent extraction and chromatography). The laboratory will emphasize techniques of quantitative and instrumental analytical chromatography. Extra fee.

Attributes: *Upper-Division*

CHM 3228 Electroanalytical Chemistry (2) [Offerings](#)

Prerequisite: CHM 3225. Laboratory-oriented course dealing with the theory and practice of electroanalytical chemistry. The laboratory exercises will be selected from quantitative analytical techniques of conductometry, potentiometry, coulometry, electrogravimetry, amperometry, and voltammetry. Extra fee.

Attributes: *Upper-Division*

CHM 3229 Analytical Spectroscopy (2) [Offerings](#)

Prerequisite: CHM 3225. Laboratory-oriented course dealing with the theory and practice of atomic and molecular spectroscopy, especially as applied to quantitative analytical chemistry and molecular biology. The lectures and labs will include various topics of absorption, emission, and scattering techniques. Extra fee.

Attributes: *Upper-Division*

CHM 3371 Organic Chemistry I (5) [Offerings](#)

Prerequisite: CHM 1212 or permission of instructor. This is the introductory course in organic chemistry. It reviews topics such as stoichiometry, acids and bases, structure and bonding theory, nomenclature, synthesis, thermodynamics, functional groups, and reaction mechanisms as applied to organic chemistry. Laboratory work will emphasize basic methods of separation and purification representative substances. Extra fee.

Attributes: *Upper-Division*

CHM 3372 Organic Chemistry II (5) [Offerings](#)

Prerequisite: CHM 3371. A continuation of CHM 3371. Continues studies of principles of nomenclature, synthesis, thermodynamics, structure, and reaction mechanisms to a broadening collection of organic functional groups. Introduces spectroscopic methods. Laboratory work will emphasize basic methods of synthesis of representative compounds, and obtaining their spectra and other properties. Extra fee.

Attributes: *Upper-Division*

CHM 3373 Organic Chemistry III (5) [Offerings](#)

Prerequisite: CHM 3372. A continuation of CHM 3372. Completes a survey of the properties of common organic functional groups and introduces topics of bio-organic chemistry. Laboratory includes some

qualitative identification of unknown organic compounds using chemical, physical, and instrumental techniques. Extra fee.

Attributes: *Upper-Division*

CHM 3401 Physical Chemistry I (4) Offerings

Prerequisites: CHM 1212, PHY 1103 or PHY 1123, and MAT 1228, or permission of instructor. Studies equilibrium and non-equilibrium properties of gases, liquids, and solids from thermodynamic processes. Engineering applications. Includes elements of statistical thermodynamics.

Attributes: *Upper-Division*

CHM 3402 Physical Chemistry II (3) Offerings

Prerequisite: CHM 2540, PHY 1103, or PHY 1123 and MAT 1228, or permission of instructor. Studies quantum theory and group theory and their applications to spectroscopy, molecular, and solid-state structures and bonding.

Attributes: *Upper-Division*

CHM 3403 Physical Chemistry III (3) Offerings

Prerequisite: CHM 3225, PHY 1103 or PHY 1123, and MAT 1228 or permission of instructor. Studies statistical mechanics, chemical kinetics, physical, and chemical equilibria, electrochemistry, and selected related topics.

Attributes: *Upper-Division*

CHM 3460 Physical Chemistry Laboratory (1-2) Offerings

Prerequisites: CHM 3225 or permission of instructor, and CHM 3401, 3402, or 3403 (may be taken concurrently with CHM 3401, 3402, or 3403). Provides opportunity for several experiments with a written report for each experiment that includes an analysis of the reliability and limits of error of the results. May include computer applications. May be repeated for credit up to 4 credits.

Attributes: *Upper-Division, Writing "W" Course*

CHM 4361 Biochemistry (5) Offerings

Prerequisite: CHM 3373. Studies chemical properties of biological compounds (carbohydrates, lipids, amino acids and proteins, and nucleic acids); metabolism (biochemical energetics, enzymes, electron transport, and oxidative phosphorylation), and integration of metabolism (biochemical genetics and metabolic regulation). Includes laboratory. Extra fee.

Attributes: *Upper-Division*

CHM 4362 Biochemistry (5) Offerings

Prerequisite: CHM 4361. Continuation of CHM 4361. Studies chemical properties of biological compounds (carbohydrates, lipids, amino acids and proteins, and nucleic acids); metabolism (biochemical energetics, enzymes, electron transport, and oxidative phosphorylation), and integration of metabolism (biochemical genetics and metabolic regulation). Includes laboratory. Extra fee.

Attributes: *Upper-Division*

CHM 4363 Biochemistry (3) Offerings

Prerequisite: CHM 4362 or permission of instructor. Explores selected topics including immunoglobulins and the immune system; bacterial cell walls; membrane transport; hormone action; control of gene expression; muscle contraction; cell physiology; drug action; protein folding; HIV mechanisms; and mechanisms of infectious disease. Seminar format with leading researchers presenting current work. May be repeated for credit up to 6 credits.

Attributes: *Upper-Division*

CHM 4542 Transition Metals (3) Offerings

Prerequisites: CHM 3373 and 2540 (CHM 3402 recommended). The chemistry of the d- and f-block elements, with emphasis on the correlation of color, magnetic properties, structure, and reactivity to fundamental theory. Topics from the current chemical literature will be included. Topics may include

bioinorganic chemistry, organometallic chemistry, and chemical applications of group theory. Offered alternate years.

Attributes: *Upper-Division*

CHM 4899 Natural Sciences Seminar (2) Offerings

A capstone experience for seniors that explores current natural sciences topics in an interdisciplinary setting. Seminars addressing current research advances, ethical issues in science or the intersection of science, vocation and Christian faith are presented by faculty, students and guest scholars. Discussion and reflection incorporate appropriate readings. A minimum of two quarters of seminar must be completed during the senior year to fulfill the senior capstone requirement. May be repeated for credit up to 3 credits.

Attributes: *Upper-Division* Restrictions: *Senior students only.*

CHM 4960 Undergrad Research Chem/Biochm (1-10) Offerings

Laboratory research done with supervision/collaboration with a faculty research advisor. A final senior thesis or journal article is required. A report at the regional conference is expected. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division, Writing "W" Course*

MAT 1225 Calculus (5) Offerings

Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

Attributes: *Mathematics (MAT)*

MAT 1226 Calculus (5) Offerings

Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

MAT 1228 Series & Differential Equation (5) Offerings

Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.

MAT 1360 Introduction to Statistics (5) Offerings

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. Explores descriptive statistics, elementary probability, binomial and normal distributions, sampling, estimating parameters, testing hypotheses, regression, and correlation.

Attributes: *Mathematics (MAT)*

PHY 1101 General Physics (5) Offerings

The first quarter of a general introduction to physics, intended for biology and premed majors. Covers mechanics.

Attributes: *Natural Science B*

PHY 1102 General Physics (5) Offerings

Prerequisite: PHY 1101. The second quarter of a general introduction to physics, intended for biology and premed majors. Covers heat, sound, fluids, electricity and magnetism.

Attributes: *Natural Science B*

PHY 1103 General Physics (5) Offerings

Prerequisite: PHY 1102. The third quarter of a general introduction to physics, intended for biology and premed majors. Covers light, atomic, molecular and nuclear physics.

Attributes: *Natural Science B*

PHY 1121 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using calculus. Covers mechanics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1122 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1123 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week.

Attributes: *Natural Science B*

CHEMISTRY DEPARTMENT FACULTY

Bartlett, Kevin Lloyd. Assistant Professor of Chemistry; B.S., Wheaton College IL 1995; Doctor of Philosophy, University of Washington 2001. At SPU since 2002. ([Contact Info](#))

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McFarland, Benjamin James. Assistant Professor of Biochemistry; B.S., University of Florida 1996; Doctor of Philosophy, University of Washington 2001. At SPU since 2003. ([Contact Info](#))

Mouser, John K. Assistant Professor of Chemistry; B.A., Point Loma Nazarene University 1985; Doctor of Philosophy, University of Southern California 1991. At SPU since 2003. ([Contact Info](#))

Peter, Lyle Bernard. Department Chair of Chemistry / Professor of Chemistry; B.S., Seattle Pacific University 1972; Doctor of Philosophy, University of Washington 1979. At SPU since 1979. ([Contact Info](#))

Phelan, Gregory D. Associate Professor of Chemistry; B.S., University of Rochester 1994; Master of Science, SUNY Center Albany 1998; Doctor of Philosophy, University of Washington 2003; Master of Education, University of Washington 2003; Master of Science, University of Washington 2003. At SPU since 2001. ([Contact Info](#))

Pratt, Charlotte W. Assistant Professor of Biology; B.S., University of Notre Dame 1982; Doctor of Philosophy, Duke University 1987. At SPU since 2001. ([Contact Info](#))

Zhang, Daisy. Associate Professor of Chemistry; B.S., Calvin College 1989; Doctor of Philosophy, University of Chicago 1993. At SPU since 1998. ([Contact Info](#))

COMPUTING SCIENCES

Otto Miller Hall
206-281-2140
www.spu.edu/depts/csc

FACULTY: [Creed F Jones](#), [Philip Prins](#), [Michael H Tindall](#), [Elaine V Weltz](#)

The Department of Computing Sciences prepares students to (1) employ critical thinking skills and efficient computer-based methods to analyze and solve challenging problems, (2) utilize computing technologies in a socially responsible manner, and (3) apply their expertise wherever they serve in the world. We seek to provide a well-focused program of studies in the theoretical and applied aspects of modern computing-related disciplines, informed by a Christian world view and graduating students who are equipped for continued professional development and service.

Both bachelor of science (B.S.) and bachelor of arts (B.A.) degree alternatives are offered. The B.S. in computer science is a traditional degree that combines full coverage of the core areas of computer science with an emphasis on scientific and engineering foundations. The B.S. in information systems combines the core areas of computer science with an emphasis on integrating information technology solutions and organizational processes to meet the information needs of both for-profit and nonprofit organizations. The B.A. in computer science emphasizes problem solving, organizing and synthesizing ideas, and applications of computing theory. This option provides flexibility for students to pursue additional specializations in other academic areas. It embraces the premise that graduates working in computer-related areas will find that their careers develop in unexpected ways due to their wide range of interests aside from computer science.

A variety of computing equipment is available to SPU to support coursework and independent study activities. A fiber-optic Ethernet network and wireless networking link all parts of the campus computing environment. The open student laboratory contains about 30 modern Windows PC systems, each with full Ethernet connectivity and with access to printers and appropriate software packages. The CSC Projects laboratory contains a configurable 8-node network cluster for student coursework and projects involving high-performance concurrent and distributed computing networks.

It is recommended that students majoring in the computing sciences obtain their own Windows-compatible PC to gain the full experience of configuring and maintaining a computer system. A suitable system would be based on a fast Pentium or Athlon processor with 1GB memory, a 200 GB hard drive, USB, Ethernet and printer. Software should include Windows Vista or XP, Microsoft Visual Studio .NET, Microsoft Word, and Adobe Acrobat Reader. Some courses may require other software which will be available in the student laboratory or for separate purchase. Most recommended software is available with educational pricing through [Computer and Information Systems](#), or at the [SPU Bookstore](#).

Preliminary Prerequisites

High school pre-calculus or math analysis is required.

Admission and GPA Requirement

A minimum 2.5 GPA (cumulative in all courses required for the major taken at SPU) is required for admission to the major. Additionally, a minimum 2.0 (C grade) must be earned in CSC 2430, and a minimum 1.7 (C- grade) must be earned in each other course required for the major.

Recommended for All degree Options

Because writing and communication skills are important for computer scientists, the following courses are recommended for all students majoring or minoring in computer science: ENG 3205 Writing in the Professions and COM 1101 Introduction to Interpersonal Communications.

Requirements for the B.S. in Computer Science Major

106 credits; 48 upper-division.

Click the link above for requirements for a summary of degree requirements. The B.S. in computer science major is the traditional degree in computer science. It provides preparation for graduate studies or professional careers in computer science, with an emphasis on scientific and engineering foundations.

Requirements for the B.A. in Computer Science Major

71 - 77 credits; 41 - 47 upper-division. Refer to chart above.

The B.A. in computer science major is a liberal arts oriented degree in computer science. It emphasizes preparation in the core areas of computer science and provides flexibility to pursue additional specializations in other academic areas.

Requirements for the B.S. in Information Systems Major

81 credits; 51 upper-division. Refer to chart above.

The B.S. in information systems major combines the core areas of computer science with an emphasis on integrating information technology solutions and organizational processes to meet the information needs of diverse enterprises.

Requirements for the Minor in Computer Science

Related Degree Programs

B.S. in Computational Mathematics. Combines computational and applied mathematics with a strong base in computer science. For more information, refer to the information under [mathematics](#).

B.S. in Computer Engineering. Combines strong bases in computer science, digital electronics, and engineering. For more information, refer to the information in [engineering](#).

B.A. IN COMPUTER SCIENCE

71 Credits Total, Including 41 Upper Division

Suggested Course Sequence

General Core: B.A. in Computer Science Degree	
Course	Credits
CSC 1230 Problem Solving & Programming	5
CSC 2430 Data Structures I(5) CSC 2431 Data Structures II(5)	10
CSC 3150 Systems Design	5
CSC 3220 Applications Programming	3
CSC 3221 Netcentric Computing	3
CSC 3310 Concepts in Programming Langs	3
CSC 3430 Algorithm Design & Analysis	3
CSC 3750 Computer Architectr/Organztion	5
CSC 3899 Social Impacts of Computing	3
CSC 4898 Senior Capstone in CSC	2
CSC 4150 Software Engineering(5) CSC 4760 Advanced Computer Architecture(5) CSC 4820 Adv Issues in CSC: Project(5) CSC 4970 Directed Resrch in Comp Scienc(2-5)	5
MAT 1221 Survey of Calculus	5
MAT 1360 Introduction to Statistics(5) MAT 2700 Statistics for Business & Econ(5)	5
MAT 1720 Math for Computer Science	5
SECTION CREDITS REQUIRED	62

Electives: 3 courses from the list CSC 3350, CSC 4000-4850	9
TOTAL CREDITS REQUIRED	71

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

B.S. IN COMPUTER SCIENCE

106 Credits Total, Including 48 Upper Division

Suggested Course Sequence

General Core: B.S. in Computer Science Degree	
Course	Credits
CSC 1230 Problem Solving & Programming	5
CSC 2430 Data Structures I(5) CSC 2431 Data Structures II(5)	10
CSC 3150 Systems Design	5
CSC 3220 Applications Programming	3
CSC 3221 Netcentric Computing	3
CSC 3310 Concepts in Programming Langs	3
CSC 3350 Operating Systems Programming	3
CSC 3430 Algorithm Design & Analysis	3
CSC 3760 Computer Orgnztn & Assem Lang	5
CSC 4150 Software Engineering(5) CSC 4760 Advanced Computer Architecture(5) CSC 4820 Adv Issues in CSC: Project(5) CSC 4970 Directed Resrch in Comp Scienc(2-5)	5
CSC 4898 Senior Capstone in CSC	2
MAT 1225 Calculus(5) MAT 1226 Calculus(5)	10
MAT 1228 Series & Differential Equation	5
MAT 2375 Probability Theory	2
MAT 2376 Applied Statistics	3
MAT 2720 Discrete Mathematics	3
PHY 1121 Physics for Sci & Engineering(5) PHY 1122 Physics for Sci & Engineering(5) PHY 1123 Physics for Sci & Engineering(5)	15
EE 1210 Intro to Logic System Design	5
EE 3280 Microcontroller System Design	5
SECTION CREDITS REQUIRED	95
Electives: CSC 4000-CSC 4850	11

TOTAL CREDITS REQUIRED	106
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Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

COMPUTER SCIENCE MINOR

35 Credits Total, Including 15 Upper Division

Computer Science Minor	
Course	Credits
CSC 1230 Problem Solving & Programming	5
CSC 2430 Data Structures I	5
CSC 2431 Data Structures II	5
SECTION CREDITS REQUIRED	15
Computer Science Minor Math requirement	
Course	Credits
BUS 2700 Statistics for Business & Econ (5)	5
MAT 1221 Survey of Calculus (5)	
MAT 1225 Calculus (5)	
MAT 1360 Introduction to Statistics (5)	
SECTION CREDITS REQUIRED	5
Electives: CSC 3000-CSC 4999	15
TOTAL CREDITS REQUIRED	35

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

COMPUTER SCIENCE COURSE DESCRIPTIONS

<p>BUS 2700 Statistics for Business & Econ (5) Offerings</p> <p>Prerequisite: Bus 1700 and passing score on Mathematics Proficiency exam or completion of Arithmetic Review. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression, and nonparametric statistics.</p> <p><u>Attributes:</u> <i>Mathematics (MAT)</i></p>
<p>CSC 1120 Introduction to the Computer (1) Offerings</p> <p>Explores how to use a (Windows-based) computer; describes computer hardware components; covers the basics of the Windowing environment, including the file system, running applications, editing messages and documents, and printing; and discusses the effects of computers in society.</p>
<p>CSC 1121 Internet and Email (1) Offerings</p> <p>Explores the following topics: Networks, electronic mail, and the Internet; how to get an email account; logging onto and off of a computer; using the full capabilities of email; participating in newsgroups;</p>

downloading files using FTP; and using the World Wide Web and the Internet.

CSC 1122 Word Processing (1) [Offerings](#)

What is "Word Processing"? Creating, modifying, saving, and printing documents. Formatting and enhancing a document. Using columns, tables, footnotes, pictures, and drawings. Using document "proofing" tools, such as spelling and grammar checkers and a using a thesaurus.

CSC 1123 Spreadsheets (1) [Offerings](#)

What is a "Spreadsheet"? This course covers creating, modifying, saving, and printing spreadsheet documents; entering and using formulas and calculations; editing and importing data; incorporating graphs; and formatting and enhancing the appearance of a spreadsheet document.

CSC 1124 Databases (1) [Offerings](#)

What is a "Database" and a relational database management system? Designing a database. Defining tables. Defining and editing fields. Entering and editing data. Creating and using queries using one or more tables. Creating, formatting, and enhancing forms and reports.

CSC 1126 Presentation Managers (1) [Offerings](#)

What is a "Presentation Manager"? Covers designing an effective presentation; creating and editing slides, incorporating pictures, drawings, and "graphics"; rearranging topics and slides; formatting and enhancing the look of a presentation; estimating the timing and sequencing of a presentation; and printing notes and handouts.

CSC 1130 Beginning Programming (5) [Offerings](#)

Prerequisite: CSC 1120 or equivalent and two years of high school algebra. Covers designing a computerized solution to a problem, the software development lifecycle, and structured programming concepts and skills. In addition the course provides an introduction to a modern programming language.

CSC 1230 Problem Solving & Programming (5) [Offerings](#)

Prerequisites: High school pre-calculus, math analysis, or equivalent and demonstrable computer literacy. An introduction to computer science, this course covers problem-solving methods and algorithm development; modern programming methodologies; and fundamentals of a high-level block structured language.

CSC 1800 Special Topics:Computer Usage (1-3) [Offerings](#)

Prerequisite: CSC 1120 or equivalent. Presentation of a topic of current interest in computer usage. Topics may vary between offerings. May be repeated for credit up to 5 credits.

CSC 2220 Scientific & Engineering Programing (3) [Offerings](#)

Prerequisites: MAT 1221 or MAT 1225, CSC 2430. Explores fundamentals of computer programming and problem solving for engineering and science students.

CSC 2222 Programming Techniques (3) [Offerings](#)

Prerequisite: CSC 2430. Intermediate programming and problem-solving techniques that will introduce a different programming language than used in CSC 2340.

CSC 2430 Data Structures I (5) [Offerings](#)

Prerequisite: CSC 1230 or equivalent. Develops discipline in program design, style, debugging, testing. Introduces object-oriented design with classes, methods, and encapsulation. Introduces dynamic storage allocation and pointers. Examines arrays, linked linear data structures, and recursion.

CSC 2431 Data Structures II (5) [Offerings](#)

Continuation of CSC 2430. Covers linked data structures, including trees, and other non-linear representations; introduces graphs and networks; explores external data structures, and techniques necessary for implementing different file organizations; and methods of organizing and accessing data on secondary storage devices (indexing, trees, and hashing).

CSC 2950 Topics in Computer Science (1-5) [Offerings](#)

An introductory course studying a special interest topic in computer science. Topics and credits may vary between offerings. May be repeated for an unlimited number of credits.

CSC 2951 Directed Study:"C++" Programng (2) [Offerings](#)

Prerequisite: Previous problem-solving and programming course in Pascal, Modula, Ada, or Java. Presents fundamentals of the C++ programming language. Offered as a directed-study, instructor arranged course.

CSC 3150 Systems Design (5) [Offerings](#)

Prerequisite: CSC 2431 and CSC 3220. CSC 2431 may be taken concurrently. Surveys issues and tools used in the analysis and design of software systems. Topics include requirements gathering; feasibility, process, and data analysis; architecture; user-interface; and program design. Measures for the evaluation of specifications and designs.

Attributes: *Upper-Division, Writing "W" Course*

CSC 3220 Applications Programming (3) [Offerings](#)

Prerequisite: CSC 2430. An implementation-oriented look at software development techniques used to create interactive applications, focusing on the use of object-oriented libraries to create user interfaces. Topics include event-driven programming, human-computer interaction (HCI), graphical user interfaces (GUI), database interfaces, and tools for interface prototyping.

Attributes: *Upper-Division*

CSC 3221 Netcentric Computing (3) [Offerings](#)

Prerequisite: CSC 3220. Introduction to networking and the Internet. Topics studied include network architectures, network security, communication, and networking layer protocols, and the Web as an example of client-server computing. In addition, students will practice building Web applications.

Attributes: *Upper-Division*

CSC 3310 Concepts in Programming Langs (3) [Offerings](#)

Prerequisite: CSC 2431. Explores organization and structure of programming languages; run-time behavior and requirements of programs; and programming language specification.

Attributes: *Upper-Division*

CSC 3350 Operating Systems Programming (3) [Offerings](#)

Prerequisites: CSC 2431 and either CSC 3750 or CSC 3760 or CPE 3760 or EE 3760. Introduction to operating systems and systems programming. Surveys systems software; operating system interface and functions; utilities and shell programming; linkers and loaders; translators; and processes, concurrency and concurrent programming.

Attributes: *Upper-Division*

<p>CSC 3430 Algorithm Design & Analysis (3) Offerings</p> <p>Prerequisites: CSC 2431 and (MAT 1360 or MAT 2376), and (MAT 1720 or MAT 2720) and (MAT 1221 or MAT 1225). Studies algorithmic, problem solving approaches such as greedy, divide and conquer, and dynamic programming. Covers the design and analysis of algorithms for searching, sorting, string processing, table management, and graphs. Includes principles of computational complexity and analysis.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 3750 Computer Architectr/Organztion (5) Offerings</p> <p>Prerequisites: CSC 2431 (concurrent registration allowed), and MAT 1720 or 2720. Covers digital logic, computer structure, machine language, addressing, use and operation of assemblers, micro-architectures, instruction formats, and the memory hierarchy.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 3760 Computer Orgnztn & Assem Lang (5) Offerings</p> <p>Prerequisites: CSC 2430 and EE 1210. CSC 2431 is recommended. Studies organization and structuring of the major hardware components of computers, including mechanics of information transfer, and control within a digital computer system. Introduces computer architecture, machine instruction sets and assembly language programming.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 3899 Social Impacts of Computing (3) Offerings</p> <p>Covers ethical, social, and societal-impact issues with which computer professionals and users must deal. Sample topics include invasion of privacy, computer crime, intellectual property, software theft, computer security, ethics in the workplace, and artificial intelligence. Class format is a combination of lecture and discussion.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>CSC 3900 Indep Study in Cmptr Science (1-5) Offerings</p> <p>Independent study and research in an advanced computer science topic. May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 3930 Practicum in Computer Science (1-5) Offerings</p> <p>Studies applied computer science. Typically involves academic systems programming, teaching, grading, and lab preparation of tutoring responsibilities. Includes an assessment of Christian service issues or experiences. May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 3940 Internship in Computer Science (1-5) Offerings</p> <p>Provides a significant learning experience to be obtained in a supervised work-study environment. Typically involves work in systems analysis and design, advanced applications, or systems programming. Includes an assessment of Christian service issues or experiences. May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 3950 Topics in Computer Science (1-5) Offerings</p> <p>Advanced or special interest topics in computer science. May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 3960 Project in Computer Science (1-5) Offerings</p> <p>Independent work on a significant project in computer science. May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 4150 Software Engineering (5) Offerings</p>

Prerequisite: CSC 3150. Covers topics in software engineering, including team programming, project planning and management, SDLC (software development life cycle) and software quality assurance. Course requirements include the design and implementation of a team software project.

Attributes: *Upper-Division* Restrictions: *Senior students only.*

CSC 4210 Theory of Computatn & Algorithn (3) Offerings

Prerequisites: CSC 3430. Introduction to theoretical topics in computer science. Includes formal languages, automata and parsing; computational complexity, analysis of algorithms; computability; and program correctness and verification.

Attributes: *Upper-Division*

CSC 4310 Compiler Design (3) Offerings

Prerequisites: CSC 3310, and CSC 3750 or CSC/CPE/EE 3760. Studies programming language translation and compiler design concepts; language recognition, symbol table management, semantic analysis, and code generation.

Attributes: *Upper-Division*

CSC 4350 Advanced Operating Systems (3) Offerings

Prerequisite: CSC 3350 or CPE 3350. Introduces the major functions of operating systems. Covers processes and concurrency; concurrent programming; resource allocation, contention and control; scheduling, memory management, and device management.

Attributes: *Upper-Division*

CSC 4410 Database Management (5) Offerings

Prerequisites: CSC 3150. Introduces database concepts: data models; data description and data manipulation languages; query facilities; data security, integrity, and reliability. Primary emphasis on relational data model; includes the design and implementation of database applications using a relational DBMS.

Attributes: *Upper-Division*

CSC 4510 Graphical User Interface (3) Offerings

Prerequisite: CSC 3221. Introduction to programming in the Windows GUI environment. Comparison to other GUI environments.

Attributes: *Upper-Division*

CSC 4750 Computer Networks (5) Offerings

Prerequisites: CSC 3750 or CSC 3760, or CPE 3760 or EE 3760. Recommended: CSC 2431. Studies concepts and terminology of computer networks, equipment, and protocols. Emphasis is on local area networks. A laboratory project is required.

Attributes: *Upper-Division*

CSC 4760 Advanced Computer Architecture (5) Offerings

Prerequisite: CSC 3750 or CSC 3760, or CPE 3760 or EE 3760. Recommended: CSC 2431. Studies the architecture of multiprocessor, vector, pipelined, and parallel computers. Emphasis is placed on principles of parallelism and the architecture of state-of-the-art supercomputers. A team project is required.

Attributes: *Upper-Division*

CSC 4800 Adv Issues in Computer Science (3-5) Offerings

An advanced course studying a special interest topic in computer science. Topics and credits may vary between offerings. Computer science minors may take this course with instructor approval. May be repeated for an unlimited number of credits.

Attributes: *Upper-Division* Restrictions: *Computer Science Majors only.*

CSC 4810 Advanced Issues in Computer (3-5) Offerings

An advanced course studying a special interest topic in computer science. Topics and credits may vary

between offerings. Computer science minors may take this course with instructor approval. May be repeated for an unlimited number of credits.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Computer Science Majors only.*

CSC 4820 Adv Issues in CSC: Project (5) Offerings

An advanced course studying a special interest topic in computer science. A team project is required. Topics may vary between offerings. May be repeated for credit 2 times.

Attributes: *Upper-Division* Restrictions: *Computer Science Majors only.*

CSC 4898 Senior Capstone in CSC (2) Offerings

This senior capstone course will explore topics and frontiers in computer science. Students will write a significant paper or design and implement an experimental project that investigates a current topic within the computer science discipline.

Attributes: *Upper-Division* Restrictions: *Computer Science, Information Systems Majors only. Senior students only.*

CSC 4900 Indep Study in Computer Sci (1-5) Offerings

Independent study and research in an advanced computer science topic. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division*

CSC 4930 Practicum in Computer Science (1-5) Offerings

Studies applied computer science. Typically involves academic systems programming, teaching, grading, lab preparation, or tutoring responsibilities. Includes an assessment of Christian service issues or experiences. May be repeated for credit up to 8 credits.

Attributes: *Upper-Division*

CSC 4940 Internship in Computer Science (1-5) Offerings

Provides a significant learning experience to be obtained in a supervised work-study environment. Typically involves work in systems analysis and design, advanced applications, or systems programming. Includes an assessment of Christian service issues or experiences. May be repeated for credit up to 8 credits.

Attributes: *Upper-Division*

CSC 4950 Topics in Computer Science (1-5) Offerings

An advanced course studying a special interest topic in computer science. Topics and credits may vary between offerings. May be repeated for credit up to 5 credits.

Attributes: *Upper-Division* Restrictions: *Computer Science Majors only. Freshman, Sophomore students are excluded.*

CSC 4960 Project in Computer Science (1-5) Offerings

Independent work on a significant project in computer science. May be repeated for credit up to 8 credits.

Attributes: *Upper-Division*

CSC 4970 Directed Resrch in Comp Scienc (2-5) Offerings

The student will conduct research based on a proposal prepared prior to registering for this course. Results of the research will be prepared for this course. Results of the research will be prepared for presentation at undergraduate or professional symposia. May be repeated for credit up to 8 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

EE 1210 Intro to Logic System Design (5) Offerings

Introduction to digital logic design including combinational and sequential logic design with implementation using programmable logic devices and CMOS transistors. Combinational logic covers truth tables, Boolean algebra, logic gates, Karnaugh maps, multiplexers, decoders, ROMs, PLAs and PALs. Sequential logic covers latches, flip-flops, clocks, registers, counters, finite state machines and CPLDs and FPGAs. Special emphasis is placed on design techniques. Laboratory exercises include designs using both discrete TTL

gates and PLDs. Extra fee.

EE 3280 Microcontroller System Design (5) [Offerings](#)

Prerequisites: EE 1210 and EE/CSC/CPE 3760. Design of hardware and software for embedded systems using a modern microcontroller. Covers hardware interfacing including memory system design, interrupt interfacing, and use of internal and external peripheral devices. Emphasis is placed on assembly language programming of the microcontroller including device drivers, exception and interrupt handling, and interfacing with higher-level languages. Laboratory exercises require assembly language programming and hardware design. Extra fee.

Attributes: *Upper-Division*

MAT 1221 Survey of Calculus (5) [Offerings](#)

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. An applications-oriented course with an intuitive approach, including introduction to both differential and integral calculus. Examples drawn from business, economics, biology, and the social and behavioral sciences. This course is not the prerequisite for 1226, nor can credit be received if 1225 or its equivalent has been taken.

Attributes: *Mathematics (MAT)*

MAT 1225 Calculus (5) [Offerings](#)

Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

Attributes: *Mathematics (MAT)*

MAT 1226 Calculus (5) [Offerings](#)

Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

MAT 1228 Series & Differential Equation (5) [Offerings](#)

Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.

MAT 1360 Introduction to Statistics (5) [Offerings](#)

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. Explores descriptive statistics, elementary probability, binomial and normal distributions, sampling, estimating parameters, testing hypotheses, regression, and correlation.

Attributes: *Mathematics (MAT)*

MAT 1720 Math for Computer Science (5) [Offerings](#)

Prerequisite: MAT 1221 or 1225. Explores set theory, number systems, logic, proof techniques, basics of counting, discrete probability, networks, digital logic, and digital systems.

MAT 2375 Probability Theory (2) [Offerings](#)

Prerequisite: MAT 1226. MAT 1228 recommended. Studies combinatorial methods, elementary probability, random variables, discrete and continuous probability distributions, expected values, and moments.

MAT 2376 Applied Statistics (3) [Offerings](#)

Prerequisite: MAT 2375. Further study in discrete and continuous probability distributions, sampling, sampling distributions, central limit theorem, estimation, and hypothesis testing.

MAT 2700 Statistics for Business & Econ (5) [Offerings](#)

Prerequisites: BUS 1700 or CSC 1123 and passing score on Mathematics Proficiency exam. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression and nonparametric statistics.

Attributes: *Mathematics (MAT)*

MAT 2720 Discrete Mathematics (3) [Offerings](#)

Prerequisite: MAT 1226. Studies sets, logic, Boolean algebra, relations, functions, and graphs.

PHY 1121 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using calculus. Covers mechanics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1122 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1123 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week.

Attributes: *Natural Science B*

COMPUTER SCIENCE DEPARTMENT FACULTY

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Tindall, Michael H. Department Chair of Computer Science / Professor of Computer Science; B.S., Seattle Pacific University 1971; Doctor of Philosophy, University of Illinois Urbana 1975; Master of Science, University of Illinois Urbana 1975. At SPU since 1980. ([Contact Info](#))

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ENGINEERING

Otto Miller Hall
206-281-2140
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FACULTY: [Kevin Bolding](#), [Donald M Peter](#), [Melani I Plett](#)

John Lindberg, Physics/EAS Mission Application
Phil Prins, Computer Science/Coordinator Computer Engineering

In a Christian context, engineering is a ministry of designing, manufacturing, and marketing products that serve and preserve God's creation. An engineer applies the principles of science and mathematics economically to create the tools, products, and processes that people want or need. Today, as civilization becomes more complex, the engineer must have a deeper understanding of the physical world, a wider versatility with mathematical and experimental techniques, and an increased sensitivity to the long-term effects of technology on people. The engineering program not only develops these skills in the applied sciences, but it also provides the liberal arts enrichment that makes the engineer better able to communicate ideas to other segments of our society.

Majors

SPU offers B.S. degrees in electrical engineering (BSEE), computer engineering (BSCPE) and engineering and applied science (BSEAS). The BSEE degree is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). The BSEAS degree offers options in bio-engineering, engineering physics, environmental engineering, and missions applications. The missions application option is a unique blend of practical engineering training for the missions setting with an opportunity to minor in global and urban ministries.

[Details for the Electrical Engineering major and minor](#)
[Details for the Engineering and Applied Science major](#)
[Details for the Computer Engineering major and minor](#)

3-2 Transfer Program

To offer the advantages of combined Christian liberal arts and other engineering majors, SPU has formal arrangements for dual degree programs with the University of Washington and Columbia University in New York. For example, if a student is interested in a branch of engineering not offered at SPU, he or she can obtain a baccalaureate from SPU and a B.S. from the participating engineering school. Three years are spent in residence at SPU, during which time the student satisfies many requirements for the B.S. degree by taking the core Christian foundations, liberal arts, and prescribed courses in chemistry, physics, mathematics, and engineering. If the student then fulfills the entrance requirements, he or she may transfer to the participating university. At that university, the student will spend two years taking upper-division engineering courses to complete the second degree. Details of this 3-2 transfer program are available from the engineering program director.

Evening Electrical Engineering Degree Program

The electrical engineering major is offered in an evening format. Students are strongly advised to complete a direct transfer A.A. degree through Washington community colleges. Please see the [transfer student guide](#) for more details.

Intern Program

All engineering majors are required to participate in an engineering-related internship with industry or another career entity. The internship must include a minimum of 200 hours of work; in almost all cases, the student will be paid by the employer. Normally students complete internships during the summer between their junior and senior years. The Engineering Department will provide information to help students find internships, but students are individually responsible for finding and completing appropriate internships.

Fundamentals of Engineering Exam

Seattle Pacific University engineering seniors are urged to take Washington state's Department of Licensing Fundamentals of Engineering (FE) exam. Those passing the test are certified by Washington state as licensed engineers-in-training. Students majoring in electrical engineering are required to pass a practice version of the exam before graduating.

Expectations of Entering High School Students

In addition to meeting all the general SPU admission requirements, the high school graduate entering the engineering program should present a high school record showing four years of mathematics and one year of physics or chemistry (preferably both). SAT scores of at least 1100 are recommended. Those students entering with deficiencies should consult an engineering advisor for a program of preparation for the engineering curriculum. SAT scores higher than 1200 are given consideration for freshman engineering scholarships.

Expectations of Entering Transfer Students

Transfer students should have at least a 2.75 transfer GPA; a 3.0 is preferred. Transfer work will be evaluated by the Engineering Department to determine if the student needs to take EGR 1401 Introduction to Engineering (2) or EGR 3402 Introduction to Engineering II (2). More information on preparing to transfer to SPU to study engineering is available in the engineering department's [transfer student guide](#).

Admission to Engineering Majors

Student performance during the first two years will be used as an indicator of the student's promise of success in engineering. Application for admission to an engineering major should be made in the sophomore year after completing a minimum of 12 credit hours of coursework in the SPU engineering program. For applicants to the electrical engineering or computer engineering majors, the completed coursework must include EE 2726 – Circuits II.

Humanities and Social Science Requirement

To satisfy ABET accreditation guidelines, all electrical engineering students must take at least 24 credits of philosophy, religion, history, literature, fine arts, sociology, psychology, political science, or foreign languages other than a student's native language(s). These courses satisfy a general humanities and social-science accreditation requirement. Students who take the full SPU Core and Exploratory general education program more than meet this requirement. However, transfer students should carefully select their courses to ensure they fulfill the 24-credit humanities and social-science requirement both in breadth and depth. They must see their assigned general education advisor to ensure this requirement is met.

ELECTRICAL ENGINEERING MAJOR

151 Credits Total, Including 64 Upper Division

[Suggested Course Sequence](#)

Mathematics	
Course	Credits
MAT 1225 Calculus (5)	10
MAT 1226 Calculus (5)	
MAT 1228 Series & Differential Equation	5
MAT 2228 Multivariable Calculus	3
MAT 2401 Linear Algebra	3
SECTION CREDITS REQUIRED	
21	
Science	
Course	Credits
CHM 1100 Introduction to Chemistry	5
BIO 2101 General Biology (5)	5
BIO 2129 Human Anatomy & Physiology (5)	
PHY 1121 Physics for Sci & Engineering (5)	15
PHY 1122 Physics for Sci & Engineering (5)	
PHY 1123 Physics for Sci & Engineering (5)	
SECTION CREDITS REQUIRED	
25	

Engineering: Computer Science	
Course	Credits
CSC 1230 Problem Solving & Programming	5
CSC 2430 Data Structures I	5
SECTION CREDITS REQUIRED	10
Engineering	
Course	Credits
EGR 1125 Engineering Study Preparation	1
EGR 2200 Engineering Probability&Stats	2
EGR 1402 Intro to Engineering I (2) EGR 3402 Intro to Engineering II (2)	2
EGR 4940 Engineering Internship	1
SECTION CREDITS REQUIRED	6
Electrical Engineering	
Course	Credits
EE 1210 Intro to Logic System Design	5
EE 2726 Electric Circuits I (4) EE 2727 Electric Circuits II (4) EE 3028 Electric Circuits III (4)	12
EE 3000 EE Seminar & Internship Prep	1
EE 3280 Microcontroller System Design	5
EE 3410 Signal & System Analysis	5
EE 3550 Communication System Analysis	5
EE 3721 Elec I Analog Devices & Circ (5) EE 3722 Elec II Analog Electronics (5)	10
EE 3730 Engineering Design	5
EE 3760 Computer Orgnztn & Assem Lang	5
EE 4211 Micrprcsr-Bse Mxd Sig Sys DesI (3) EE 4212 Micrprcsr-Bse Mxd Sig Sys D II (3) EE 4899 Micrprcsr-Bs Mxd Sig Sys DSIII (3)	9
EE 4310 Electromagnetics	5
EE 4450 Control System Design	5
SECTION CREDITS REQUIRED	72
Technical Electives	
Course	Credits
CPE 3350 Operating Systems Programming (3) CPE 4150 Software Engineering (5) CPE 4350 Advanced Operating Systems (3) CPE 4750 Computer Networks (5) CPE 4760 Advanced Computer Architecture (5) CSC 4800 Adv Issues in Computer Science (3-5) EE 3500 Introduction to Power Systems (5)	17

EE 3510	Intro to Power Electronics (4)	
EE 4311	Optics and Lasers (5)	
EE 4560	Wireless Communication Systems (5)	
EE 4960	Senior Project (1-5)	
EGR 2891	Statics (4)	
EGR 3391	Mechanics of Materials (4)	
EGR 3401	Thermodynamics (5)	
EGR 3600	Environmental Engineering (5)	
EGR 3650	Alternative Energies (5)	
EGR 3800	Biomedical Engineering I (5)	
EGR 3841	Dynamics (5)	
MAT 2376	Applied Statistics (3)	
MAT 3724	Applied Analysis (3)	
PHY 3311	Advanced Physics Lab (2)	
PHY 3312	Advance Physics Lab (2)	
PHY 3313	Advanced Physics Lab (2)	
SECTION CREDITS REQUIRED		17
TOTAL CREDITS REQUIRED		151

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ELECTRICAL ENGINEERING MINOR

37 Credits Total, Including 24 Upper Division

EE Core Requirements		
Course		Credits
EE 3760	Computer Orgnztn & Assem Lang	5
EE 1210	Intro to Logic System Design	5
EE 2726	Electric Circuits I	4
EE 2727	Electric Circuits II	4
EE 3028	Electric Circuits III	4
SECTION CREDITS REQUIRED		22
Any EE Upper Division Courses		15
TOTAL CREDITS REQUIRED		37

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ELECTRICAL ENGINEERING DEPARTMENT FACULTY

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Peter, Donald M. Associate Professor of Engineering; B.S., Seattle Pacific University 1974; Master of Science, University of Washington 1976. At SPU since 1987. ([Contact Info](#))

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ENGINEERING AND APPLIED SCIENCE BIO-ENGINEERING FOCUS

122 Credits Total, Including 27 Upper Division

Suggested Course Sequence

EAS Core Requirements	
Course	Credits
MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series & Differential Equation	5
BIO 2101 General Biology	5
PHY 1121 Physics for Sci & Engineering	5
PHY 1122 Physics for Sci & Engineering	5
PHY 1123 Physics for Sci & Engineering	5
CSC 1230 Problem Solving & Programming	5
EGR 1402 Intro to Engineering I(2) EGR 3402 Intro to Engineering II(2)	2
EGR 1125 Engineering Study Preparation	1
EGR 3000 Engineering Semnr&Intern Prep	1
EGR 4899 EAS Capstone and Senior Design	5
EE 2726 Electric Circuits I	4
EE 2727 Electric Circuits II	4
SECTION CREDITS REQUIRED	57
Bio-Engineering Option	
Course	Credits
CHM 1211 General Chemistry I(5) CHM 1212 General Chemistry II(5)	10
CHM 3225 Chemical Equilibrium & Analys	5
BIO 2102 General Biology	5
BIO 2129 Human Anatomy & Physiology(5) BIO 2130 Human Anatomy & Physiology(5)	10
EE 3028 Electric Circuits III	4
EGR 2200 Engineering Probability&Stats	2
EGR 3800 Biomedical Engineering I	5
EGR 4940 Engineering Internship	1
SECTION CREDITS REQUIRED	42
Additional Bio-Engineering courses:	
Course	Credits
EGR 2891 Statics(4)	8

EGR 3391 Mechanics of Materials (4)	
EGR 3401 Thermodynamics (5)	
EGR 3841 Dynamics (5)	
EGR 3871 Fluid Mechanics (5)	
SECTION CREDITS REQUIRED	8
Tech electives approved by EAS coordinator	15
TOTAL CREDITS REQUIRED	122

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGINEERING AND APPLIED SCIENCE ENGINEERING PHYSICS FOCUS

120 Credits Total, Including 27 Upper Division

[Suggested Course Sequence](#)

EAS Core Requirements	
Course	Credits
MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series & Differential Equation	5
BIO 2101 General Biology	5
PHY 1121 Physics for Sci & Engineering	5
PHY 1122 Physics for Sci & Engineering	5
PHY 1123 Physics for Sci & Engineering	5
CSC 1230 Problem Solving & Programming	5
EGR 1402 Intro to Engineering I (2)	2
EGR 3402 Intro to Engineering II (2)	
EGR 1125 Engineering Study Preparation	1
EGR 3000 Engineering Semnr&Intern Prep	1
EGR 4899 EAS Capstone and Senior Design	5
EE 2726 Electric Circuits I	4
EE 2727 Electric Circuits II	4
SECTION CREDITS REQUIRED	57
Engineering Physics Option	
Course	Credits
CHM 1211 General Chemistry I	5
PHY 2321 Intermediate Physics	5
PHY 3311 Advanced Physics Lab (2)	4
PHY 3312 Advance Physics Lab (2)	
PHY 3313 Advanced Physics Lab	2

EGR 2891 Statics	4
EGR 3391 Mechanics of Materials	4
EGR 3401 Thermodynamics	5
EGR 3841 Dynamics	5
EGR 4940 Engineering Internship	1
EE 3028 Electric Circuits III	4
EE 4310 Electromagnetics	5
MAT 2228 Multivariable Calculus	3
MAT 2401 Linear Algebra	3
MAT 3724 Applied Analysis	3
SECTION CREDITS REQUIRED	53
Tech Electives approved by EAS coordinator	10
TOTAL CREDITS REQUIRED	120

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGINEERING AND APPLIED SCIENCE ENVIRONMENTAL FOCUS

119 Credits Total, Including 27 Upper Division

[Suggested Course Sequence](#)

EAS Core Requirements	
Course	Credits
MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series & Differential Equation	5
BIO 2101 General Biology	5
PHY 1121 Physics for Sci & Engineering	5
PHY 1122 Physics for Sci & Engineering	5
PHY 1123 Physics for Sci & Engineering	5
CSC 1230 Problem Solving & Programming	5
EGR 1402 Intro to Engineering I (2) EGR 3402 Intro to Engineering II (2)	2
EGR 1125 Engineering Study Preparation	1
EGR 3000 Engineering Seminar&Intern Prep	1
EGR 4899 EAS Capstone and Senior Design	5
EE 2726 Electric Circuits I	4
EE 2727 Electric Circuits II	4

SECTION CREDITS REQUIRED	57
Environmental Engineering Option	
Course	Credits
BIO 2103 General Biology	5
BIO 3310 Ecology (5) BIO 3351 General Microbiology (5)	5
CHM 1211 General Chemistry I	5
CHM 1212 General Chemistry II	5
CHM 1330 Organic & Biological Chemistry	5
CHM 3225 Chemical Equilibrium & Analys	5
EGR 2200 Engineering Probability&Stats	2
EGR 3600 Environmental Engineering (5) EGR 3650 Alternative Energies (5)	5
EGR 4940 Engineering Internship	1
SECTION CREDITS REQUIRED	38
Additional Environmental Courses:	
Course	Credits
EGR 2891 Statics (4) EGR 3391 Mechanics of Materials (4) EGR 3401 Thermodynamics (5) EGR 3871 Fluid Mechanics (5)	13
SECTION CREDITS REQUIRED	13
Tech Electives approved by EAS coordinator	11
TOTAL CREDITS REQUIRED	119

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGINEERING AND APPLIED SCIENCE MISSION APPLICATIONS FOCUS

119 Credits Total, Including 27 Upper Division

[Suggested Course Sequence](#)

EAS Core Requirements	
Course	Credits
MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series & Differential Equation	5
BIO 2101 General Biology	5
PHY 1121 Physics for Sci & Engineering	5
PHY 1122 Physics for Sci & Engineering	5

PHY 1123 Physics for Sci & Engineering	5
CSC 1230 Problem Solving & Programming	5
EGR 1402 Intro to Engineering I (2) EGR 3402 Intro to Engineering II (2)	2
EGR 1125 Engineering Study Preparation	1
EGR 3000 Engineering Seminar&Intern Prep	1
EGR 4899 EAS Capstone and Senior Design	5
EE 2726 Electric Circuits I	4
EE 2727 Electric Circuits II	4
SECTION CREDITS REQUIRED	57
Mission Applications Option	
Course	Credits
BUS 2700 Statistics for Business & Econ	5
CHM 1211 General Chemistry I	5
EE 3028 Electric Circuits III	4
EE 3500 Introduction to Power Systems	5
EE 3550 Communication System Analysis (5) EE 4950 Topics: Electrical Engineering (5)	5
EGR 2200 Engineering Probability&Stats	2
EGR 2891 Statics	4
EGR 3401 Thermodynamics	5
EGR 3650 Alternative Energies	5
EE 3510 Intro to Power Electronics (4) EGR 3600 Environmental Engineering (5)	4
EGR 3841 Dynamics	5
EGR 4940 Engineering Internship	5
SECTION CREDITS REQUIRED	54
Tech electives approved by EAS coordinator	8
TOTAL CREDITS REQUIRED	119

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ENGINEERING & APPLIED SCIENCE COURSE DESCRIPTIONS

BIO 2101 General Biology (5) [Offerings](#)

Prerequisites: One year of high school chemistry, CHM 1100, or equivalent. Intended for students majoring in biology. Surveys scientific method, chemistry of living organisms, organization of cells, and foundations of genetics and molecular biology. Includes laboratory. Extra fee.

Attributes: *Natural Science A*

BIO 2102 General Biology (5) [Offerings](#)

Prerequisite: BIO 2101 or permission of instructor. Intended for students majoring in biology. Surveys animal classification, structure, function, development, and behavior. Includes laboratory. Extra fee.

Attributes: *Natural Science A*

BIO 2103 General Biology (5) [Offerings](#)

Prerequisite: BIO 2101 or permission of instructor. Intended for students majoring in biology. Surveys the non-animal kingdoms. Also covers plant structure and function, evolutionary mechanisms, and ecology. Includes laboratory. Extra fee.

Attributes: *Natural Science A*

BIO 2129 Human Anatomy & Physiology (5) [Offerings](#)

Studies the structure and function of the human organism. Includes cells and tissues, skeletal, integumentary, muscular, and nervous systems. Includes laboratory.

Attributes: *Natural Science A*

BIO 2130 Human Anatomy & Physiology (5) [Offerings](#)

Studies the structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal, and reproductive systems. Includes laboratory.

Attributes: *Natural Science A*

BIO 3310 Ecology (5) [Offerings](#)

Prerequisites: BIO 2103 and MAT 1360, or HSC 4044. Explores the factors and mechanisms responsible for population dynamics, community structure, and the function of ecosystems. Includes laboratory.

Attributes: *Upper-Division, Writing "W" Course*

BIO 3351 General Microbiology (5) [Offerings](#)

Prerequisite: BIO 2101, or BIO 2129 and 2130. Gives an overview of the field of microbiology with an emphasis on the bacterial, viral and fungal organisms that cause disease in humans and animals. Required laboratory focuses on the appropriate handling, growth, and processing of microorganisms for clinical applications. Extra fee.

Attributes: *Upper-Division*

BUS 2700 Statistics for Business & Econ (5) [Offerings](#)

Prerequisite: Bus 1700 and passing score on Mathematics Proficiency exam or completion of Arithmetic Review. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression, and nonparametric statistics.

Attributes: *Mathematics (MAT)*

CHM 1211 General Chemistry I (5) [Offerings](#)

Prerequisites: Requires two years high school mathematics (including algebra), a passing score on the SPU Mathematics Proficiency exam (or completion of the required MAT 0120 credits), one year of high school chemistry, or CHM 1100 and passing the Chemistry Placement test. Introduces properties of matter, stoichiometry, chemical reactions, thermochemistry, states of matter, chemical bonding, and atomic and molecular structure. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

CHM 1212 General Chemistry II (5) [Offerings](#)

Prerequisite: CHM 1211 or equivalent. Builds upon CHM 1211 topics. Introduces molecular and solid state structure and bonding, properties of gases, liquids and solutions, concepts of thermodynamics, chemical kinetics, chemical equilibria, acid-base and oxidation-reduction reactions. Includes lab. Extra fee.

CHM 1330 Organic & Biological Chemistry (5) [Offerings](#)

Prerequisite: CHM 1211. Studies simpler laws of organic chemistry, nomenclature, and classification. Simple chemistry of carbohydrates, lipids and proteins, integration of metabolisms, and chemistry of heredity. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

CHM 3225 Chemical Equilibrium & Analys (5) [Offerings](#)

Prerequisite: CHM 1212, or permission of instructor. Laboratory-oriented course dealing with chemical equilibria in solution and their applications to quantitative analysis. Some types of reactions to be studied are precipitation, acid-base, complex formation, and oxidation-reduction. Traditional wet chemical and instrumental methods will be used. Extra fee.

Attributes: *Upper-Division*

CSC 1230 Problem Solving & Programming (5) [Offerings](#)

Prerequisites: High school pre-calculus, math analysis, or equivalent and demonstrable computer literacy. An introduction to computer science, this course covers problem-solving methods and algorithm development; modern programming methodologies; and fundamentals of a high-level block structured language.

EE 2726 Electric Circuits I (4) [Offerings](#)

Study of Basic Ohm's and Kirchhoff's laws, voltage/current sources, nodal and mesh analysis, power transfer, Thevenin's and Norton's theorems and superposition. Introduction to operational amplifiers, inductance, capacitance and first-order circuits. Includes lab problems and introduction to Circuit Simulation and MATLAB computer software. The first of a three-course sequence in which the engineer as servant is discussed. Extra fee.

EE 2727 Electric Circuits II (4) [Offerings](#)

Prerequisite: EE 2726. Introduction to second-order circuits and state variable analysis. Alternating current theory and analysis, power, frequency response, resonance and pole-zero concepts. Introduction to transformers. Includes lab problems, Circuit Simulation and MATLAB. Extra fee.

EE 3028 Electric Circuits III (4) [Offerings](#)

Prerequisite: EE 2727. Introduction to two-port theory, three-phase analysis, Laplace transforms, analog filtering, and additional AC analysis techniques. The lab portion includes a design project, the use of Circuit Simulation, and Matlab. Includes a quarter long, team-based design project. Extra fee.

Attributes: *Upper-Division*

EE 3500 Introduction to Power Systems (5) [Offerings](#)

Prerequisite: EE 2727. Three-phase power generation, transmission and distribution systems. Safety and electric code standards. Practical training in material and component selection for commercial and industrial applications.

Attributes: *Upper-Division*

EE 3510 Intro to Power Electronics (4) [Offerings](#)

Prerequisite: EE 3722. Studies semiconductor switching devices, rectification; switch-mode AC-DC and DC-DC converters; switching dc power supplies, conditioners and uninterruptible supplies, residential and industrial applications. Includes laboratory exercises.

Attributes: *Upper-Division*

EE 3550 Communication System Analysis (5) [Offerings](#)

Prerequisite: EE 2727. An introduction to principles of modern communication systems with an emphasis on current technological applications. Covers basics such as transmission media (electrical, optical and

wireless), analog and digital signaling techniques, data encoding methods and multiplexing mechanisms. Modern communication protocols for networks (Ethernet, IP) and radio links (CDMA, GSM) are analyzed. High-level issues such as security, encryption, and cellular management are studied. Extra fee.

Attributes: *Upper-Division*

EE 4310 Electromagnetics (5) Offerings

Prerequisites: MAT 1228, MAT 2228, and either PHY 1103 or PHY 1123. Study of electrostatics, magnetostatics, boundary conditions and boundary-value solutions, Maxwell's equations, electromagnetic waves and their propagation, transmission lines, and antennas. Includes computer and laboratory experiments. Extra fee.

Attributes: *Upper-Division*

EE 4950 Topics: Electrical Engineering (5) Offerings

An advanced course studying a special interest topic in electrical engineering. Topics and credits may vary between offerings. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Electrical Engineering, Engineering Science Majors only. Freshman, Sophomore students are excluded.*

EGR 1125 Engineering Study Preparation (1) Offerings

Designed to provide additional skill sets in math and science problem solving, test taking and study habits. Students will develop an individualized study/work plan to ensure engineering success. Required for EE and EAS majors taking MAT 1226 who received a grade of C or lower in MAT 1225 and/or for those who are taking MAT 1225 in winter quarter. Required for EE and EAS majors taking MAT 1228 who received a grade of C or lower in MAT 1226. Waived for students in the University Scholars program. May be repeated for credit up to 4 credits.

EGR 1402 Intro to Engineering I (2) Offerings

Required for all freshmen engineering students. This course is an introduction to the engineering career field with a variety of activities related to the engineering profession and a team-based robotic design competition. The course provides students with additional skill sets in math and science problem solving, test taking and study habits. Students will develop an individualized study/work plan to ensure success in math, science, and engineering courses. Extra fee.

EGR 2200 Engineering Probability&Stats (2) Offerings

Prerequisite: MAT 1226. MAT 1228 recommended. Introduces students to concepts of probability and statistics along with methodology for applying these to engineering applications.

EGR 2891 Statics (4) Offerings

Prerequisite: PHY 1121. Studies vector forces and their analysis, equilibrium of particles and of rigid bodies, structural analysis, distributed forces, center of gravity and centroids, and internal forces on beams and cables. Extra fee.

EGR 3000 Engineering Seminar&Intern Prep (1) Offerings

Seminar and group discussion of various EAS upper-division topics and on the engineering mission statement and goals. Includes resume preparation, interviewing-skills development, exploration of job opportunities, and discussion of the Christian worldview on the internship experience.

Attributes: *Upper-Division*

EGR 3391 Mechanics of Materials (4) Offerings

Prerequisites: CSC 1230 and EGR 2891. Study of stress and strain, properties of materials, axial load, torsion, bending, shear, strain and stress transformations, deflections of beams and shafts. Extra fee.

Attributes: *Upper-Division*

EGR 3401 Thermodynamics (5) Offerings

Prerequisites: CHM 1211, MAT 1228, and either PHY 1103 or PHY 1123. Studies, at the macroscopic level, equilibrium properties of matter, conservation laws, equations of state and transformations of state for systems in which temperature is an appropriate variable. Considers engineering applications. Extra fee.

Attributes: *Upper-Division*

EGR 3402 Intro to Engineering II (2) Offerings

Required for all transfer engineering students who have not taken EE 2726 at SPU. Introduction to the SPU engineering program. Provides instruction on the software and hardware that is utilized in the labs at Seattle Pacific University, which is normally covered in beginning classes. Included is the discussion of a Christian worldview, the engineering department's mission statement and goals, and their implications for engineers.

Attributes: *Upper-Division*

EGR 3600 Environmental Engineering (5) Offerings

Prerequisites: CHM 1211, BIO 2101. Studies the fundamentals of air- and water-quality systems: filters, scrubbers and precipitators, control of volatile organic compounds, gaseous emissions, particulate matter, waste water, and solid and hazardous wastes, environmental toxicity and industrial health and safety issues.

Attributes: *Upper-Division*

EGR 3650 Alternative Energies (5) Offerings

Prerequisite: EE 2726. Introduces different energy sources and investigates methods to convert this energy into a useful form. Energy sources that are investigated, designed, built and tested include solar, hydro, wind, biomass, hydrogen fuel cell and water purification. Includes examples of the use of each of these power sources. Extra fee.

Attributes: *Upper-Division*

EGR 3800 Biomedical Engineering I (5) Offerings

Prerequisites: BIO 2101 and EE 2726, or special permission of instructor. Introduction to the history of biomedical engineering, biosensors, bioelectric phenomena, bioinstrumentation, biosignal processing, biomechanics, cardiovascular mechanics and ultrasound.

Attributes: *Upper-Division*

EGR 3841 Dynamics (5) Offerings

Prerequisites: MAT 1228, 2401, and PHY 1101 or 1121. Study of vectorial treatment of Newton's laws for undamped and damped linear, rotational and vibrational motion in several coordinate systems. Includes solving problems for particles and rigid bodies using energy, momentum and angular momentum conservation laws. Extra fee.

Attributes: *Upper-Division*

EGR 3871 Fluid Mechanics (5) Offerings

Prerequisites: MAT 1228, MAT 2401 and PHY 1123. Studies fluid mechanics, both statics and dynamics. Emphasis is on the control volume approach, covering the transport of mass, energy, momentum and angular momentum, with engineering applications. Offered on demand. Extra fee.

Attributes: *Upper-Division*

EGR 4899 EAS Capstone and Senior Design (5) Offerings

Prerequisite: EGR 4940. Intended for EAS students only. Individualized or group senior project. Includes instruction on design and appropriate use of technology. Periodic progress reports and final presentations are required. Includes study of vocation in engineering, writing reflective responses, and preparation of a multimedia portfolio of major projects students have finished. The University Christian Faith Exploration (CFE) senior project requirement is met through assignments in this course. Extra fee. May be repeated for credit up to 6 credits.

Attributes: Upper-Division, Writing "W" Course Restrictions: Engineering & Applied Science Majors only.

EGR 4940 Engineering Internship (1) Offerings

Internship is normally a paid summer job with an engineering company or a university research lab. Other career-related job experiences may be considered. Students will give a written and oral presentation of their work the following Autumn Quarter. The job is fully coordinated between the intern's faculty advisor and an engineer in the host company. The jobs are intended to be a professional learning experience for the student.

Attributes: Upper-Division, Writing "W" Course

EGR 4940 Engineering Internship (5) Offerings

Internship is normally a paid summer job with an engineering company or a university research lab. Other career-related job experiences may be considered. Students will give a written and oral presentation of their work the following Autumn Quarter. The job is fully coordinated between the intern's faculty advisor and an engineer in the host company. The jobs are intended to be a professional learning experience for the student.

Attributes: Upper-Division, Writing "W" Course

MAT 1225 Calculus (5) Offerings

Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

Attributes: Mathematics (MAT)

MAT 1226 Calculus (5) Offerings

Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

MAT 1228 Series & Differential Equation (5) Offerings

Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.

MAT 2228 Multivariable Calculus (3) Offerings

Prerequisites: MAT 1226, 2401. Studies vectors and analytic geometry in three dimensions, partial differentiation, and multiple integration.

MAT 2401 Linear Algebra (3) Offerings

Prerequisite: MAT 1226. Studies vector spaces, matrices, and linear transformations.

MAT 3724 Applied Analysis (3) Offerings

Prerequisites: MAT 1228 and 2228. Studies vector analysis, Fourier series, partial differential equations, and boundary value problems. Offered alternate years.

Attributes: Upper-Division

PHY 1121 Physics for Sci & Engineering (5) Offerings

Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using calculus. Covers mechanics. Lectures and laboratory each week.

Attributes: Natural Science B

PHY 1122 Physics for Sci & Engineering (5) Offerings

Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1123 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 2321 Intermediate Physics (5) [Offerings](#)

Prerequisites: MAT 1228 and either PHY 1103 or 1123. (MAT 1228 may be taken concurrently). Introduction to the physics of the 20th century: relativity, waves and quanta with applications to areas of contemporary physics such as atoms, nuclei, particles and solids.

PHY 3311 Advanced Physics Lab (2) [Offerings](#)

Prerequisite: PHY 1103 or 1123, may be taken concurrently. Laboratory applications of electronics and instrumentation. Special emphasis will be given to experimental automation and data analysis using LabView.

Attributes: *Upper-Division, Writing "W" Course*

PHY 3312 Advance Physics Lab (2) [Offerings](#)

Prerequisite: PHY 3311. Provides an integrated advanced laboratory course including experiments in optics, solid state physics, atomic physics and nuclear physics.

Attributes: *Upper-Division, Writing "W" Course*

PHY 3313 Advanced Physics Lab (2) [Offerings](#)

Prerequisite: PHY 3312. Provides an integrated advanced laboratory course including experiments in optics, solid state physics, atomic physics and nuclear physics.

Attributes: *Upper-Division, Writing "W" Course*

COMPUTER ENGINEERING MAJOR

134 Credits Total, Including 62 Upper Division

Suggested Course Sequence

Mathematics Requirements	
Course	Credits
MAT 1225 Calculus (5)	10
MAT 1226 Calculus (5)	
MAT 1228 Series & Differential Equation	5
MAT 2375 Probability Theory	3
MAT 2376 Applied Statistics	2
MAT 2401 Linear Algebra	3
SECTION CREDITS REQUIRED	23
Science Requirements	
Course	Credits
PHY 1121 Physics for Sci & Engineering (5)	15

PHY 1122 Physics for Sci & Engineering (5)	
PHY 1123 Physics for Sci & Engineering (5)	
SECTION CREDITS REQUIRED	15
Computer Science Requirements	
Course	Credits
CSC 1230 Problem Solving & Programming	5
CSC 2430 Data Structures I (5)	10
CSC 2431 Data Structures II (5)	
CSC 3150 Systems Design	5
SECTION CREDITS REQUIRED	20
Engineering Requirements	
Course	Credits
EGR 1401 Introduction to Engineering (1)	1
EGR 1402 Intro to Engineering I (1-2)	
EGR 3730 Engineering Design	5
EGR 4940 Engineering Internship	1
SECTION CREDITS REQUIRED	7
Computer Engineering Requirements	
Course	Credits
CPE 3280 Microcontroller System Design	5
CPE 3350 Operating Systems Programming	4
CPE 3760 Computer Orgnztn & Assem Lang	5
CPE 4211 Micprcsr-Bse Mxd Sig Sys DesI (3)	9
CPE 4212 Micprcsr-Bse Mxd Sig Sys D II (3)	
CPE 4899 Micprcsr-Bs Mxd Sig Sys DsIII (3)	
CPE 4760 Advanced Computer Architecture	4
SECTION CREDITS REQUIRED	27
Electrical Engineering Requirements	
Course	Credits
EE 1210 Intro to Logic System Design	5
EE 2726 Electric Circuits I (4)	8
EE 2727 Electric Circuits II (4)	
EE 3000 EE Seminar & Internship Prep	1
EE 3028 Electric Circuits III	4
EE 3721 Elec I Analog Devices & Circ (5)	10
EE 3722 Elec II Analog Electronics (5)	
SECTION CREDITS REQUIRED	28
Choose from electives below or other approved Upper Division	
Course	Credits
CPE 3550 Communication System Analysis	5

CPE 4150 Software Engineering	4
CPE 4350 Advanced Operating Systems	4
CPE 4750 Computer Networks	4
EE 3410 Signal & System Analysis	5
SECTION CREDITS REQUIRED	14
TOTAL CREDITS REQUIRED	134

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

COMPUTER ENGINEERING MINOR

34 Credits Total, Including 15 Upper Division

Computer Engineering Minor Core Requirements

Course	Credits
CSC 1230 Problem Solving & Programming	5
CSC 2430 Data Structures I	5
CSC 3150 Systems Design	5
CPE 3760 Computer Orgnztn & Assem Lang	5
CPE 3280 Microcontroller System Design	5
EE 1210 Intro to Logic System Design	5
EE 2726 Electric Circuits I	4
SECTION CREDITS REQUIRED	34
TOTAL CREDITS REQUIRED	34

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

COMPUTER ENGINEERING COURSE DESCRIPTIONS

CPE 3280 Microcontroller System Design (5) [Offerings](#)

Prerequisites: EE 1210 and EE/CSC/CPE 3760. Design of hardware and software for embedded systems using a modern microcontroller. Covers hardware interfacing, including memory system design, interrupt interfacing, and use of internal and external peripheral devices. Emphasis is placed on assembly language programming of the microcontroller, including device drivers, exception and interrupt handling, and interfacing with higher-level languages. Laboratory exercises require assembly language programming and hardware design. Extra fee.

Attributes: *Upper-Division*

CPE 3350 Operating Systems Programming (4) [Offerings](#)

Prerequisites: CSC 2431 and either CSC 3750 or CSC/CPE/EE 3760. Introduction to operating systems

and systems programming. Surveys systems software; operating system interface and functions; utilities and shell programming; linkers and loaders; translators; and processes, concurrency and concurrent programming.

Attributes: *Upper-Division*

CPE 3550 Communication System Analysis (5) [Offerings](#)

Prerequisite: EE 2727. An introduction to principles of modern communication systems with an emphasis on current technological applications. Covers basics such as transmission media (electrical, optical and wireless), analog and digital signaling techniques, data encoding methods and multiplexing mechanisms. Modern communication protocols for networks (Ethernet, IP) and radio links (CDMA, GSM) are analyzed. High-level issues such as security, encryption, cellular management and network modeling are studied. Extra fee.

Attributes: *Upper-Division*

CPE 3760 Computer Orgnzt n & Assem Lang (5) [Offerings](#)

Prerequisite: CSC 2430 and EE 1210. Study of organization and structuring of the major hardware components of computers. Includes mechanics of information transfer and control within a digital computer system. Introduces computer architecture, machine instruction sets and assembly language programming.

Attributes: *Upper-Division*

CPE 4150 Software Engineering (4) [Offerings](#)

Prerequisite: CSC 3150. Covers topics in software engineering, including team programming, project planning and management, SDLC (software development life cycle) and software quality assurance. Course requirements include the design and implementation of a team software project.

Attributes: *Upper-Division* Restrictions: *Senior students only.*

CPE 4211 Micrprcsr-Bse Mxd Sig Sys Desl (3) [Offerings](#)

Prerequisites: EE/CPE 3280 and EE/EGR 3730. Study of mixed digital and analog system design including embedded software design. Student teams begin a system level design of a company-sponsored project (a non-disclosure agreement may be required). Projects typically include use of a microcontroller and may include analog-to-digital converters, digital signal-processing chips, external memories, power supplies, user interfaces and more. Students provide detailed schedules for building prototype systems and present periodic progress reports. During the course, students produce a technical specification, undergo a preliminary design review (PDR) and build a working prototype system. Extra fee.

Attributes: *Upper-Division*

CPE 4212 Micrprcsr-Bse Mxd Sig Sys D II (3) [Offerings](#)

Prerequisite: EE/CPE 4211. Continued study of mixed digital and analog system design including embedded software design. Student teams design printed circuit boards for their products using CAD PCB layout tools and continue to refine the prototype hardware and software designs from EE 4211. Teams write detailed technical reports and submit their designs to design reviews (CDR). Periodic progress reports and team presentations are required. Extra fee.

Attributes: *Upper-Division*

CPE 4350 Advanced Operating Systems (4) [Offerings](#)

Prerequisite: CPE/CSC 3350. Introduces the major functions of operating systems. Covers processes and concurrency; concurrent programming; resource allocation, contention and control; scheduling, memory management and device management.

Attributes: *Upper-Division*

CPE 4750 Computer Networks (4) [Offerings](#)

Prerequisites: CSC 3750 or CSC/CPE/EE 3760. Recommended: CSC 2431. Studies concepts and terminology of computer networks, equipment, and protocols. Emphasis is on local area networks. A laboratory project is required.

Attributes: *Upper-Division*

CPE 4760 Advanced Computer Architecture (4) [Offerings](#)

Prerequisite: CSC 3750 or CSC/CPE/EE 3760. Recommended: CSC 2431. Studies the architecture of multiprocessor, vector, pipelined and parallel computers. Emphasis is placed on principles of parallelism and the architecture of state-of-the-art supercomputers. A team project is required.

Attributes: *Upper-Division*

CPE 4899 Micrprcsr-Bs Mxd Sig Sys DsIII (3) [Offerings](#)

Prerequisite: EE/CPE 4212. In this capstone course designs from EE 4212 are developed into a manufacturing prototype and tested. Covers testing methodology (hardware and software), board debugging and documentation methodology. Teams author operations manuals and detailed technical manuals. Periodic progress reports and final presentations are required. Includes study of vocation in engineering, writing reflective responses, and preparation of a multimedia portfolio of major projects students have finished. The University Christian Faith Exploration (CFE) senior project requirement is met through assignments in this course. Extra fee.

Attributes: *Upper-Division, Writing "W" Course*

CSC 1230 Problem Solving & Programming (5) [Offerings](#)

Prerequisites: High school pre-calculus, math analysis, or equivalent and demonstrable computer literacy. An introduction to computer science, this course covers problem-solving methods and algorithm development; modern programming methodologies; and fundamentals of a high-level block structured language.

CSC 2430 Data Structures I (5) [Offerings](#)

Prerequisite: CSC 1230 or equivalent. Develops discipline in program design, style, debugging, testing. Introduces object-oriented design with classes, methods, and encapsulation. Introduces dynamic storage allocation and pointers. Examines arrays, linked linear data structures, and recursion.

CSC 2431 Data Structures II (5) [Offerings](#)

Continuation of CSC 2430. Covers linked data structures, including trees, and other non-linear representations; introduces graphs and networks; explores external data structures, and techniques necessary for implementing different file organizations; and methods of organizing and accessing data on secondary storage devices (indexing, trees, and hashing).

CSC 3150 Systems Design (5) [Offerings](#)

Prerequisite: CSC 2431 and CSC 3220. CSC 2431 may be taken concurrently. Surveys issues and tools used in the analysis and design of software systems. Topics include requirements gathering; feasibility, process, and data analysis; architecture; user-interface; and program design. Measures for the evaluation of specifications and designs.

Attributes: *Upper-Division, Writing "W" Course*

EE 1210 Intro to Logic System Design (5) [Offerings](#)

Introduction to digital logic design including combinational and sequential logic design with implementation using programmable logic devices and CMOS transistors. Combinational logic covers truth tables, Boolean algebra, logic gates, Karnaugh maps, multiplexers, decoders, ROMs, PLAs and PALs. Sequential logic covers latches, flip-flops, clocks, registers, counters, finite state machines and CPLDs and FPGAs. Special emphasis is placed on design techniques. Laboratory exercises include designs using both discrete TTL gates and PLDs. Extra fee.

EE 2726 Electric Circuits I (4) [Offerings](#)

Study of Basic Ohm's and Kirchhoff's laws, voltage/current sources, nodal and mesh analysis, power transfer, Thevenin's and Norton's theorems and superposition. Introduction to operational amplifiers, inductance, capacitance and first-order circuits. Includes lab problems and introduction to Circuit Simulation

and MATLAB computer software. The first of a three-course sequence in which the engineer as servant is discussed. Extra fee.

EE 2727 Electric Circuits II (4) [Offerings](#)

Prerequisite: EE 2726. Introduction to second-order circuits and state variable analysis. Alternating current theory and analysis, power, frequency response, resonance and pole-zero concepts. Introduction to transformers. Includes lab problems, Circuit Simulation and MATLAB. Extra fee.

EE 3000 EE Seminar & Internship Prep (1) [Offerings](#)

Seminar and group discussion on topics related to the engineering mission statement and goals. Includes resume preparation, interviewing-skills development, exploration of job opportunities, and discussion of the Christian worldview on the internship experience.

Attributes: *Upper-Division*

EE 3028 Electric Circuits III (4) [Offerings](#)

Prerequisite: EE 2727. Introduction to two-port theory, three-phase analysis, Laplace transforms, analog filtering, and additional AC analysis techniques. The lab portion includes a design project, the use of Circuit Simulation, and Matlab. Includes a quarter long, team-based design project. Extra fee.

Attributes: *Upper-Division*

EE 3410 Signal & System Analysis (5) [Offerings](#)

Prerequisites: EE 2727, MAT 1228, MAT 2401, familiarity with MATLAB computer software. Characterization of linear systems by impulse response, convolution and transfer function. Study of linear differential equations and linear difference equations as models. Study of continuous and discrete signals including filters and their effects. Uses transform methods including Fourier series and transforms, FFT, Laplace transforms and Z transforms. Includes computer problems. Extra fee.

Attributes: *Upper-Division*

EE 3721 Elec I Analog Devices & Circ (5) [Offerings](#)

Prerequisite: EE 2727. Study of electronic devices and basic circuit configurations. Topics covered include operational amplifiers, diodes, ac to dc conversion, amplifier principles, bipolar junction transistors, BJT amplifiers, frequency response and differential amplifiers. Includes project teaming with business students from the Operations Management course. Includes lab problems.

Attributes: *Upper-Division*

EE 3722 Elec II Analog Electronics (5) [Offerings](#)

Prerequisite: EE 3721. Studies field effect transistors, FET amplifiers, frequency response, feedback, output stages and power amplifiers, analog integrated circuits, and introduces power electronics. Continues project teaming with business students from the Operations Management course. Includes lab problems. Extra fee.

Attributes: *Upper-Division*

EGR 1401 Introduction to Engineering (1) [Offerings](#)

For freshmen engineering students. Introduction to the engineering career field. Resume writing instruction. Includes small robotic team project to learn fundamentals of electrical and mechanical hardware. Tours of technology companies and a variety of guest speakers from industry. Survey paper on a technology topic chosen by the student.

EGR 1402 Intro to Engineering I (1-2) [Offerings](#)

Required for all freshmen engineering students. This course is an introduction to the engineering career field with a variety of activities related to the engineering profession and a team-based robotic design competition. The course provides students with additional skill sets in math and science problem solving,

test taking and study habits. Students will develop an individualized study/work plan to ensure success in math, science, and engineering courses. Extra fee.

EGR 3730 Engineering Design (5) [Offerings](#)

Prerequisite: EE 3722. Team design and construction of industrial or self-designed projects. EAS design projects require some aspect of the student's chosen science discipline. Interdisciplinary projects are encouraged. All projects require oral and written reports. Includes review and analysis of professional papers within a student's discipline. Continues project teaming with business students from the Operations Management course. Extra fee.

Attributes: *Upper-Division, Writing "W" Course*

EGR 4940 Engineering Internship (1) [Offerings](#)

Internship is normally a paid summer job with an engineering company or a university research lab. Other career-related job experiences may be considered. Students will give a written and oral presentation of their work the following Autumn Quarter. The job is fully coordinated between the intern's faculty advisor and an engineer in the host company. The jobs are intended to be a professional learning experience for the student.

Attributes: *Upper-Division, Writing "W" Course*

MAT 1225 Calculus (5) [Offerings](#)

Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

Attributes: *Mathematics (MAT)*

MAT 1226 Calculus (5) [Offerings](#)

Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

MAT 1228 Series & Differential Equation (5) [Offerings](#)

Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.

MAT 2375 Probability Theory (3) [Offerings](#)

Prerequisite: MAT 1226. MAT 1228 recommended. Studies combinatorial methods, elementary probability, random variables, discrete and continuous probability distributions, expected values, and moments.

MAT 2376 Applied Statistics (2) [Offerings](#)

Prerequisite: MAT 2375. Further study in discrete and continuous probability distributions, sampling, sampling distributions, central limit theorem, estimation, and hypothesis testing.

MAT 2401 Linear Algebra (3) [Offerings](#)

Prerequisite: MAT 1226. Studies vector spaces, matrices, and linear transformations.

PHY 1121 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using calculus. Covers mechanics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1122 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1123 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week.

Attributes: *Natural Science B*

ELECTRICAL ENGINEERING DEPARTMENT FACULTY

Bolding, Kevin. Department Chair of Electrical Engineering / Associate Professor of Electrical Engineering; B.A., Rice University 1988; Master of Science, University of Washington 1991; Doctor of Philosophy, University of Washington 1993. At SPU since 1995. ([Contact Info](#))

Peter, Donald M. Associate Professor of Engineering; B.S., Seattle Pacific University 1974; Master of Science, University of Washington 1976. At SPU since 1987. ([Contact Info](#))

Plett, Melani I. Associate Professor of Electrical Engineering; B.S.E.E., Seattle Pacific University 1991; M.S.E.E., University of Washington 1993; Doctor of Philosophy, University of Washington 2000. At SPU since 1993. ([Contact Info](#))

ENGINEERING DEPARTMENT FACULTY

Scott, Elaine P. Professor of Engineering; Director of Engineering Program; B.S., University of Calif Davis 1979; Master of Science, University of Calif Davis 1981; Doctor of Philosophy, Michigan State University 1987; Doctor of Philosophy, Michigan State University 1990. At SPU since 2006. ([Contact Info](#))

MATHEMATICS / COMPUTATIONAL MATHEMATICS

Otto Miller Hall
206-281-2140
www.spu.edu/depts/math

FACULTY: [David K Farrell](#), [Brian Thomas Gill](#), [Steven Darrel Johnson](#), [Russ Alan Killingsworth](#), [Wai Wah Lau](#), [Robbin O'Leary](#), [Sharon Laree Young](#)

Mathematics offers curricula leading to the bachelor of arts and bachelor of science degrees. The B.A. degree program is designed for students interested in mathematics as a liberal arts major and for those planning to teach mathematics in secondary schools. The B.S. in mathematics degree program is designed for students planning graduate work or professional careers in mathematics. The B.S. in computational mathematics is an interdisciplinary major designed for students interested in careers involving the application of mathematics and computer science. A mathematics education major is also offered for elementary certification. See the [School of Education](#) for information.

High school preparation. Three years of high school mathematics, including trigonometry, are required for all students entering one of the degree programs. However, students who plan to make mathematics a career are urged to take a minimum of four years of high school mathematics. Students deficient in their high school mathematics preparation must take the appropriate courses in the sequence MAT 0152 and MAT 0153 to make up the deficiency before starting one of the math degree programs.

Advanced Placement Program. Superior students who have completed one year of calculus in high school may apply for advanced placement and credit for MAT 1225 and MAT 1226. The extent to which a student will be advanced and the amount of credit given will be decided on an individual basis by the mathematics faculty.

Mathematical competency requirement. All undergraduates are required to demonstrate mathematical competency. This can be accomplished in any one of the following ways:

1. Have a quantitative SAT score of at least 580 or ACT score of at least 25.
2. Transfer in with a C or better in MAT 1225, or in its college-level equivalent.
3. Achieve a passing score on SPU's [mathematics proficiency exam](#).
4. Complete the required work in Arithmetic Review as revealed by the proficiency test results.
5. Successfully complete all 5 credits in Arithmetic Review.
6. Have an acceptable Direct Transfer Agreement A.A. degree from an approved community college. See [Transfer Student Information](#) for approved degrees.

Unless the waivers in numbers 1 or 2 above apply, no student will be allowed to enroll in any mathematics course (except Arithmetic Review) without having passed the proficiency exam or completed the required work in Arithmetic Review.

What to take first. In general, students with four years of high school mathematics should start with MAT 1225; those with three years should take MAT 1110 or MAT 1112 and MAT 1114. Those students with two years should take MAT 0152. However, mathematics faculty will determine where a student should start on the basis of high school record and entrance test scores. An algebra/ calculus placement test will be administered by the Mathematics Department during the first week of the quarter in MAT 1110, MAT 1221, and MAT 1225.

Admission to the major or minor. A GPA of 2.5 or above in 15 credits of mathematics that apply to the major or minor is required for admission to the major or minor. A 2.5 GPA must be maintained in all math courses to earn the degree.

Computer use. Each mathematics student should have strong computer skills. Students wishing careers in industry or applied mathematics should have skill in programming.

Math Lab. The following courses are available through the Math Lab: Arithmetic Review, MAT 0140, MAT 0152, MAT 0153, MAT 1112, and MAT 1114. The [Math Lab](#) is open daily for student tutoring and testing. These courses do not include a lecture; students study self-instructional materials, obtain instructional help in the Math Lab when necessary, and take tests in the Math Lab. Since the learning system in this lab follows a mastery learning

approach, students may take more than one exam per unit. Arithmetic Review is available as a two-quarter sequence, MAT 0131 and MAT 0132, for students who need 4 or 5 credits as a result of their proficiency test score. MAT 1112 and MAT 1114 are equivalent to the single 5-credit lecture course MAT 1110.

Requirements for the BA Mathematics Major

Students pursuing an endorsement in secondary education must take MAT 3401 as 3 of the 8 additional credits. A maximum of 3 credits in MAT 4930 may be applied.

Requirements for the BS in Mathematics Major

Courses MAT 4363 and MAT 4830 are strongly recommended. A maximum of 3 credits in MAT 4930 may be applied.

Fifteen credits in related approved courses in which mathematics is applied are also required. A GPA of 2.5 must be maintained for all mathematics courses. Students who plan graduate work in mathematics are strongly advised to take further work in real analysis in their upper-division program and to acquire a reading knowledge of French, German, or Russian.

Requirements for the Mathematics Minor

Anyone desiring a minor in mathematics should begin with MAT 1225, MAT 1226, and MAT 1228, which are prerequisite to most upper-division courses.

MAT 3749 and MAT 4402 are strongly recommended for all minors and a teaching minor must include MAT 3749, MAT 4402, and MAT 3441 or MAT 3443. A maximum of 3 credits in MAT 4904 or MAT 4930 may be applied.

Special Programs

Actuarial science. A student interested in becoming an actuary should major in mathematics or mathematics/economics. The following mathematics courses should be included: MAT 2375, MAT 2376, MAT 4363, MAT 4725, MAT 4830, and some independent study. This provides the foundation for beginning the sequence of exam offered by the Society of Actuaries. Further work in economics is helpful.

Mathematics/economics. Students desiring a major in mathematics- economics should consult a mathematics advisor for information on a student-designed major.

B.S. in engineering science. Emphasis in mathematics. (See [Engineering Science](#).)

B.A. IN MATHEMATICS

57 Credits Total, Including 28 Upper Division

Suggested Course Sequence

B.A. in Mathematics: General Core	
Course	Credits
MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series & Differential Equation	5
MAT 2228 Multivariable Calculus	3
MAT 2375 Probability Theory	2
MAT 2376 Applied Statistics	3
MAT 2401 Linear Algebra	3
MAT 2720 Discrete Mathematics	3
MAT 3749 Introduction to Analysis	5

MAT 3441 Axiomatic Geometry (3)	3
MAT 3443 Transformational Geometry (3)	
MAT 4402 Modern Algebra	3
MAT 4610 The Evolution of Math Thought	3
MAT 3751 Real Analysis II (3)	3
MAT 4403 Modern Algebra (3)	
MAT 4899 Senior Capstone Seminar	3
SECTION CREDITS REQUIRED	49
Approved UD Electives (with a max of 3 in MAT 4930)	8
TOTAL CREDITS REQUIRED	57

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

B.S. IN MATHEMATICS

64 Credits Total, Including 38 Upper Division

[Suggested Course Sequence](#)

B.S. in Mathematics: General Core	
Course	Credits
MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series & Differential Equation	5
MAT 2228 Multivariable Calculus	3
MAT 2375 Probability Theory	2
MAT 2401 Linear Algebra	3
MAT 2720 Discrete Mathematics	3
MAT 3749 Introduction to Analysis	5
MAT 3751 Real Analysis II	3
MAT 4402 Modern Algebra	3
MAT 4403 Modern Algebra	3
MAT 4899 Senior Capstone Seminar	3
SECTION CREDITS REQUIRED	43
Additional Electives in Upper Division Courses	21
TOTAL CREDITS REQUIRED	64

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

MATH MINOR

30 Credits Total, Including 15 Upper Division

Open Electives in MAT	
Course	Credits
MAT 1225 Calculus (5)	15
MAT 1226 Calculus (5)	
MAT 1228 Series & Differential Equation (5)	
SECTION CREDITS REQUIRED	15
Upper Division Credits	15
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

MATHEMATICS COURSE DESCRIPTIONS**MAT 0121 Arithmetic Review I (1) [Offerings](#)**

Studies the fundamentals of arithmetic. A diagnostic test indicates which topics need review, and the course is individualized to those needs. Credits in this course do not apply toward graduation requirements. (Offered only in the Math Lab.)

MAT 0122 Arithmetic Review II (1) [Offerings](#)

Studies the fundamentals of arithmetic. A diagnostic test indicates which topics need review, and the course is individualized to those needs. Credits in this course do not apply toward graduation requirements. (Offered only in the Math Lab.)

MAT 0123 Arithmetic Review III (1) [Offerings](#)

Studies the fundamentals of arithmetic. A diagnostic test indicates which topics need review, and the course is individualized to those needs. Credits in this course do not apply toward graduation requirements. (Offered only in the Math Lab.)

MAT 0124 Arithmetic Review IV (1) [Offerings](#)

Studies the fundamentals of arithmetic. A diagnostic test indicates which topics need review, and the course is individualized to those needs. Credits in this course do not apply toward graduation requirements. (Offered only in the Math Lab.)

MAT 0125 Arithmetic Review V (1) [Offerings](#)

Studies the fundamentals of arithmetic. A diagnostic test indicates which topics need review, and the course is individualized to those needs. Credits in this course do not apply toward graduation requirements. (Offered only in the Math Lab.)

MAT 0126 Arithmetic Review VI (1) [Offerings](#)

Studies the fundamentals of arithmetic. A diagnostic test indicates which topics need review, and the

course is individualized to those needs. Credits in this course do not apply toward graduation requirements. (Offered only in the Math Lab.)

MAT 0131 Arithmetic Review (2) [Offerings](#)

Studies the fundamentals of arithmetic in a classroom setting rather than in the Math Lab. Only open to those needing 4 or 5 credits of Arithmetic Review. Credits in this course do not apply toward graduation requirements.

MAT 0132 Arithmetic Review (3) [Offerings](#)

Studies the fundamentals of arithmetic in a classroom setting rather than in the Math Lab. Credits in this course do not apply toward graduation requirements.

MAT 0140 Introductory Algebra (3) [Offerings](#)

Explores sets; solving equations and inequalities; factoring; fractional, and rational expressions; graphing; and word problems. Credits in this course do not apply toward graduation requirements. (Offered only in the Math Lab.)

MAT 0152 Intermediate Algebra I (3) [Offerings](#)

Studies linear equations and inequalities, real numbers, polynomials, rational expressions, radicals, and exponents. (Offered only in the Math Lab.)

MAT 0153 Intermediate Algebra II (2) [Offerings](#)

Explores systems of equations; quadratic equations and inequalities; exponential functions; and logarithms. (Offered only in the Math Lab.)

MAT 1110 Algebra & Trigonometry (5) [Offerings](#)

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency Exam. Explores algebraic, circular and trigonometric equations and identities; and inequalities. Credit cannot be received for this course if MAT 1112 or MAT 1114 has been taken.

MAT 1112 College Algebra (3) [Offerings](#)

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency Exam. Explores inequalities and algebraic functions: linear, quadratic, polynomial and rational. This is a portion of MAT 1110; credit cannot be received for taking both courses. (Offered only in the Math Lab.)

MAT 1114 Trigonometry (2) [Offerings](#)

Studies the development of circular and trigonometric functions; right-triangle applications; trigonometric equations; and identities. This is a portion of MAT 1110; credit cannot be received for taking both courses. (Offered only in the Math Lab.)

MAT 1221 Survey of Calculus (5) [Offerings](#)

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. An applications-oriented course with an intuitive approach, including introduction to both differential and integral calculus. Examples drawn from business, economics, biology, and the social and behavioral sciences. This course is not the prerequisite for 1226, nor can credit be received if 1225 or its equivalent has been taken.

<u>Attributes:</u> <i>Mathematics (MAT)</i>
MAT 1225 Calculus (5) Offerings
Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.
<u>Attributes:</u> <i>Mathematics (MAT)</i>
MAT 1226 Calculus (5) Offerings
Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.
MAT 1228 Series & Differential Equation (5) Offerings
Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.
MAT 1360 Introduction to Statistics (5) Offerings
Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. Explores descriptive statistics, elementary probability, binomial and normal distributions, sampling, estimating parameters, testing hypotheses, regression, and correlation.
<u>Attributes:</u> <i>Mathematics (MAT)</i>
MAT 1521 Intro:Contemporary Mathematics (5) Offerings
Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. Explores topics that illustrate how mathematical methods and models permeate our economic, political, and personal lives. By investigation of diverse applications, a variety of problem-solving techniques will be introduced, including using the computer as a tool.
<u>Attributes:</u> <i>Mathematics (MAT)</i>
MAT 1720 Math for Computer Science (5) Offerings
Prerequisite: MAT 1221 or 1225. Explores set theory, number systems, logic, proof techniques, basics of counting, discrete probability, networks, digital logic, and digital systems.
MAT 2228 Multivariable Calculus (3) Offerings
Prerequisites: MAT 1226, 2401. Studies vectors and analytic geometry in three dimensions, partial differentiation, and multiple integration.
MAT 2375 Probability Theory (2) Offerings
Prerequisite: MAT 1226. MAT 1228 recommended. Studies combinatorial methods, elementary probability, random variables, discrete and continuous probability distributions, expected values, and moments.
MAT 2376 Applied Statistics (3) Offerings
Prerequisite: MAT 2375. Further study in discrete and continuous probability distributions, sampling, sampling distributions, central limit theorem, estimation, and hypothesis testing.
MAT 2401 Linear Algebra (3) Offerings
Prerequisite: MAT 1226. Studies vector spaces, matrices, and linear transformations.

MAT 2530 Survey of Mathematics I (3) [Offerings](#)

Prerequisite: Passing score on Mathematics Proficiency exam or completion of Arithmetic review. Includes the study of sets, numeration systems, arithmetic, algebra, number theory and statistics, and relates topics to the elementary school mathematics curriculum. Available for general education credit only to students in elementary education.

Attributes: *Mathematics (MAT)* Restrictions: *Freshman students are excluded.*

MAT 2531 Survey of Mathematics II (2) [Offerings](#)

Prerequisite: MAT 2530 completed with a grade of C- or better. Includes topics from probability, geometry, and measurement, and relates topics to the elementary school mathematics curriculum. Available for general education credit only to students in elementary education.

Attributes: *Mathematics (MAT)* Restrictions: *Freshman students are excluded.*

MAT 2700 Statistics for Business & Econ (5) [Offerings](#)

Prerequisites: BUS 1700 or CSC 1123 and passing score on Mathematics Proficiency exam. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression and nonparametric statistics.

Attributes: *Mathematics (MAT)*

MAT 2720 Discrete Mathematics (3) [Offerings](#)

Prerequisite: MAT 1226. Studies sets, logic, Boolean algebra, relations, functions, and graphs.

MAT 3401 Number Theory (3) [Offerings](#)

Prerequisite: MAT 2720 or 3749. May be taken concurrently with instructor approval. Studies topics of classical number theory including divisibility, primes and congruences. Offered alternate years.

Attributes: *Upper-Division*

MAT 3441 Axiomatic Geometry (3) [Offerings](#)

Prerequisite: MAT 3749. Surveys foundations of Euclidean, non-Euclidean, and projective geometries from an axiomatic approach. Offered alternate years.

Attributes: *Upper-Division*

MAT 3443 Transformational Geometry (3) [Offerings](#)

Prerequisite: MAT 3749. Surveys Euclidean, non-Euclidean, and projective geometries using a transformational approach. Offered alternate years.

Attributes: *Upper-Division*

MAT 3724 Applied Analysis (3) [Offerings](#)

Prerequisites: MAT 1228 and 2228. Studies vector analysis, Fourier series, partial differential equations, and boundary value problems. Offered alternate years.

Attributes: *Upper-Division*

MAT 3725 Applied Analysis (3) [Offerings](#)

Prerequisite: MAT 3724. Continuation of MAT 3724, including special functions. Offered as needed.

Attributes: *Upper-Division*

MAT 3730 Complex Variables (3) [Offerings](#)

Prerequisites: MAT 1228, 2228. Studies theory and applications of complex variables; analytic functions, integrals, and power series applications. Offered alternate years.

Attributes: *Upper-Division*

MAT 3749 Introduction to Analysis (5) [Offerings](#)

Prerequisite: MAT 1228 and 2401. Uses the axiomatic method to prove basic results from set theory and real analysis. Topics include functions, set cardinality, the real number system, and the topology of the real line.

Attributes: *Upper-Division*

MAT 3751 Real Analysis II (3) Offerings

Prerequisite: MAT 3749. Builds on the topics introduced in MAT 3749, including explorations of differentiation and integration. Offered alternate years.

Attributes: *Upper-Division*

MAT 4363 Mathematical Statistics (3) Offerings

Prerequisites: MAT 2376 and MAT 2228. Studies in greater depth continuous and discrete probability distributions, moment generating functions, probability-generating functions, transformations, and multivariate probability distributions. Offered alternate years.

Attributes: *Upper-Division*

MAT 4402 Modern Algebra (3) Offerings

Prerequisite: MAT 3749. Studies algebraic structures, including groups, rings, and fields.

Attributes: *Upper-Division, Writing "W" Course*

MAT 4403 Modern Algebra (3) Offerings

Prerequisite: MAT 4402. Continuation of MAT 4402. Offered alternate years.

Attributes: *Upper-Division, Writing "W" Course*

MAT 4610 The Evolution of Math Thought (3) Offerings

Prerequisites: MAT 3749 or permission of instructor. Investigates the ideas, methods, and work of great mathematicians of the past.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman, Sophomore students are excluded.*

MAT 4725 Numerical Analysis (5) Offerings

Prerequisites: MAT 1228 and 2228 or permission of instructor, and facility with mathematically oriented software. Studies numerical integration, differentiation, solutions of systems of equations, and related topics. Offered alternate years.

Attributes: *Upper-Division*

MAT 4830 Mathematical Modeling (5) Offerings

Prerequisites: MAT 1228, 2228, 2375, and facility with mathematically oriented software. Focuses on construction and analysis of mathematical models for problems in the real world. The problems will be chosen from a variety of fields, including the biological and social sciences. Offered alternate years.

Attributes: *Upper-Division*

MAT 4899 Senior Capstone Seminar (1-5) Offerings

Prerequisite: 9 credits of upper-division mathematics or instructor permission. This senior capstone course will explore the culture of mathematics through readings and classroom discussions during the Autumn Quarter. Students will synthesize mathematical ideas within the context of a Christian worldview. The student will write a significant paper and make an oral presentation within the following two quarters.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman, Junior, Sophomore students are excluded.*

MAT 4904 Mathematics-Independent Study (1-5) Offerings

Prerequisites: 6 credits in upper-division mathematics. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

MAT 4910 Mathematics Seminar (1-5) Offerings
Investigates topics of current interest through student reports. May be repeated for credit 5 times.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MAT 4930 Practicum in Mathematics (1-5) Offerings
Practical experience in the Math Lab. May be repeated for credit up to 5 credits.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.
MAT 4940 Internship in Mathematics (1-5) Offerings
Provides a significant learning experience to be obtained in a closely supervised work-study program. May be repeated for credit up to 15 credits.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Junior, Sophomore students are excluded.
MAT 4950 Special Topics (1-5) Offerings
Special Topics May be repeated for credit up to 6 credits.
<u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.

MATHEMATICS DEPARTMENT FACULTY

Farrell, David K. Instructor of Mathematics; B.S., Wheaton College IL 1989; Master of Science, Texas A&M University College Sta 1993. At SPU since 2006. ([Contact Info](#))

Gill, Brian Thomas. Department Chair of Mathematics / Associate Professor of Mathematics; B.S., Truman State University 1991; Master of Arts, University of Kentucky 1994; Doctor of Philosophy, SUNY Center Albany 1999; Master of Science, SUNY Center Albany 1999. At SPU since 1999. ([Contact Info](#))

Johnson, Steven Darrel. Associate Professor of Mathematics; B.A., Westmont College 1974; Doctor of Philosophy, University of Minnesota Minneapolis* 1982. At SPU since 1982. ([Contact Info](#))

Killingsworth, Russ Alan. Assistant Professor of Mathematics; Director of Math Lab; B.A., Calif State University Sacramento 1986; Master of Arts, Calif State University Stanislaus 1992. At SPU since 1996. ([Contact Info](#))

Lau, Wai Wah. Assistant Professor of Mathematics; B.S., Hong Kong Baptist University 1986; Master of Science, Texas A&M University College Sta 1992; Doctor of Philosophy, Texas A&M University College Sta 1998. At SPU since 2001. ([Contact Info](#))

O'Leary, Robbin. Associate Professor of Mathematics; B.A., Goshen College 1980; Master of Science, Idaho State University 1985; Doctor of Philosophy, University of Texas Austin 1990. At SPU since 1990. ([Contact Info](#))

Young, Sharon Laree. Professor of Mathematics and Math Education; B.A., University of Redlands 1966; Master of Arts, University of Denver 1976; Doctor of Philosophy, University of Colorado Boulder 1979. At SPU since 1995. ([Contact Info](#))

B.S. IN COMPUTATIONAL MATHEMATICS

100 Credits Total, Including 38 Upper Division

[Suggested Course Sequence](#)

Computational Mathematics Requirements	
Course	Credits
MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series & Differential Equation	5
MAT 2228 Multivariable Calculus	3
MAT 2375 Probability Theory (2)	5
MAT 2376 Applied Statistics (3)	

MAT 2401	Linear Algebra	3
MAT 2720	Discrete Mathematics	3
MAT 3724	Applied Analysis	3
MAT 4725	Numerical Analysis	5
MAT 4830	Mathematical Modeling	5
MAT 4899	Senior Capstone Seminar	3
CSC 1230	Problem Solving & Programming	5
CSC 2430	Data Structures I(5)	10
CSC 2431	Data Structures II(5)	
CSC 2220	Scientific & Engineering Programng	3
CSC 3430	Algorithm Design & Analysis	3
CSC 3150	Systems Design	5
CSC 3750	Computer Architectr/Organztion	5
PHY 1121	Physics for Sci & Engineering(5)	15
PHY 1122	Physics for Sci & Engineering(5)	
PHY 1123	Physics for Sci & Engineering(5)	
SECTION CREDITS REQUIRED		92
Electives in Upper Division CSC		8
TOTAL CREDITS REQUIRED		100

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

COMPUTATIONAL MATHEMATICS COURSE DESCRIPTIONS

<p>CSC 1230 Problem Solving & Programming (5) Offerings</p> <p>Prerequisites: High school pre-calculus, math analysis, or equivalent and demonstrable computer literacy. An introduction to computer science, this course covers problem-solving methods and algorithm development; modern programming methodologies; and fundamentals of a high-level block structured language.</p>
<p>CSC 2220 Scientific & Engineering Programng (3) Offerings</p> <p>Prerequisites: MAT 1221 or MAT 1225, CSC 2430. Explores fundamentals of computer programming and problem solving for engineering and science students.</p>
<p>CSC 2430 Data Structures I (5) Offerings</p> <p>Prerequisite: CSC 1230 or equivalent. Develops discipline in program design, style, debugging, testing. Introduces object-oriented design with classes, methods, and encapsulation. Introduces dynamic storage allocation and pointers. Examines arrays, linked linear data structures, and recursion.</p>

<p>CSC 2431 Data Structures II (5) Offerings</p> <p>Continuation of CSC 2430. Covers linked data structures, including trees, and other non-linear representations; introduces graphs and networks; explores external data structures, and techniques necessary for implementing different file organizations; and methods of organizing and accessing data on secondary storage devices (indexing, trees, and hashing).</p>
<p>CSC 3150 Systems Design (5) Offerings</p> <p>Prerequisite: CSC 2431 and CSC 3220. CSC 2431 may be taken concurrently. Surveys issues and tools used in the analysis and design of software systems. Topics include requirements gathering; feasibility, process, and data analysis; architecture; user-interface; and program design. Measures for the evaluation of specifications and designs.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>CSC 3430 Algorithm Design & Analysis (3) Offerings</p> <p>Prerequisites: CSC 2431 and (MAT 1360 or MAT 2376), and (MAT 1720 or MAT 2720) and (MAT 1221 or MAT 1225). Studies algorithmic, problem solving approaches such as greedy, divide and conquer, and dynamic programming. Covers the design and analysis of algorithms for searching, sorting, string processing, table management, and graphs. Includes principles of computational complexity and analysis.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>CSC 3750 Computer Architectr/Organztion (5) Offerings</p> <p>Prerequisites: CSC 2431 (concurrent registration allowed), and MAT 1720 or 2720. Covers digital logic, computer structure, machine language, addressing, use and operation of assemblers, micro-architectures, instruction formats, and the memory hierarchy.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>MAT 1225 Calculus (5) Offerings</p> <p>Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.</p> <p><u>Attributes:</u> <i>Mathematics (MAT)</i></p>
<p>MAT 1226 Calculus (5) Offerings</p> <p>Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.</p>
<p>MAT 1228 Series & Differential Equation (5) Offerings</p> <p>Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.</p>
<p>MAT 2228 Multivariable Calculus (3) Offerings</p> <p>Prerequisites: MAT 1226, 2401. Studies vectors and analytic geometry in three dimensions, partial differentiation, and multiple integration.</p>
<p>MAT 2375 Probability Theory (2) Offerings</p> <p>Prerequisite: MAT 1226. MAT 1228 recommended. Studies combinatorial methods, elementary probability, random variables, discrete and continuous probability distributions, expected values, and moments.</p>
<p>MAT 2376 Applied Statistics (3) Offerings</p>

Prerequisite: MAT 2375. Further study in discrete and continuous probability distributions, sampling, sampling distributions, central limit theorem, estimation, and hypothesis testing.

MAT 2401 Linear Algebra (3) [Offerings](#)

Prerequisite: MAT 1226. Studies vector spaces, matrices, and linear transformations.

MAT 2720 Discrete Mathematics (3) [Offerings](#)

Prerequisite: MAT 1226. Studies sets, logic, Boolean algebra, relations, functions, and graphs.

MAT 3724 Applied Analysis (3) [Offerings](#)

Prerequisites: MAT 1228 and 2228. Studies vector analysis, Fourier series, partial differential equations, and boundary value problems. Offered alternate years.

Attributes: *Upper-Division*

MAT 4725 Numerical Analysis (5) [Offerings](#)

Prerequisites: MAT 1228 and 2228 or permission of instructor, and facility with mathematically oriented software. Studies numerical integration, differentiation, solutions of systems of equations, and related topics. Offered alternate years.

Attributes: *Upper-Division*

MAT 4830 Mathematical Modeling (5) [Offerings](#)

Prerequisites: MAT 1228, 2228, 2375, and facility with mathematically oriented software. Focuses on construction and analysis of mathematical models for problems in the real world. The problems will be chosen from a variety of fields, including the biological and social sciences. Offered alternate years.

Attributes: *Upper-Division*

MAT 4899 Senior Capstone Seminar (3) [Offerings](#)

Prerequisite: 9 credits of upper-division mathematics or instructor permission. This senior capstone course will explore the culture of mathematics through readings and classroom discussions during the Autumn Quarter. Students will synthesize mathematical ideas within the context of a Christian worldview. The student will write a significant paper and make an oral presentation within the following two quarters.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman, Junior, Sophomore students are excluded.*

PHY 1121 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using calculus. Covers mechanics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1122 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1123 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week.

Attributes: *Natural Science B*

COMPUTER SCIENCE DEPARTMENT FACULTY

Jones, Creed F. Associate Professor of Computer Science; B.S., Oakland University 1980; Master of Science, Oakland University 1982. At SPU since 2003. ([Contact Info](#))

Prins, Philip. Associate Professor of Computer Science; B.A., Humboldt State University 1976; B.A., University of Idaho 1978; Master of Science, University of Idaho 1984; Doctor of Philosophy, University of Idaho 1993. At SPU since 1992. ([Contact Info](#))

Tindall, Michael H. Department Chair of Computer Science / Professor of Computer Science; B.S., Seattle Pacific University 1971; Doctor of Philosophy, University of Illinois Urbana 1975; Master of Science, University of Illinois Urbana 1975. At SPU since 1980. ([Contact Info](#))

Weltz, Elaine V. Assistant Professor of Computer Science; B.A., Seattle Pacific University 1974; Master of Arts, University of Southern California 1978; B.S., Seattle Pacific University 1984; M.S.E., Seattle University 1989. At SPU since 1984. ([Contact Info](#))

MATHEMATICS DEPARTMENT FACULTY

Farrell, David K. Instructor of Mathematics; B.S., Wheaton College IL 1989; Master of Science, Texas A&M University College Sta 1993. At SPU since 2006. ([Contact Info](#))

Gill, Brian Thomas. Department Chair of Mathematics / Associate Professor of Mathematics; B.S., Truman State University 1991; Master of Arts, University of Kentucky 1994; Doctor of Philosophy, SUNY Center Albany 1999; Master of Science, SUNY Center Albany 1999. At SPU since 1999. ([Contact Info](#))

Johnson, Steven Darrel. Associate Professor of Mathematics; B.A., Westmont College 1974; Doctor of Philosophy, University of Minnesota Minneapolis* 1982. At SPU since 1982. ([Contact Info](#))

Killingsworth, Russ Alan. Assistant Professor of Mathematics; Director of Math Lab; B.A., Calif State University Sacramento 1986; Master of Arts, Calif State University Stanislaus 1992. At SPU since 1996. ([Contact Info](#))

Lau, Wai Wah. Assistant Professor of Mathematics; B.S., Hong Kong Baptist University 1986; Master of Science, Texas A&M University College Sta 1992; Doctor of Philosophy, Texas A&M University College Sta 1998. At SPU since 2001. ([Contact Info](#))

O'Leary, Robbin. Associate Professor of Mathematics; B.A., Goshen College 1980; Master of Science, Idaho State University 1985; Doctor of Philosophy, University of Texas Austin 1990. At SPU since 1990. ([Contact Info](#))

Young, Sharon Laree. Professor of Mathematics and Math Education; B.A., University of Redlands 1966; Master of Arts, University of Denver 1976; Doctor of Philosophy, University of Colorado Boulder 1979. At SPU since 1995. ([Contact Info](#))

PHYSICS

Otto Miller Hall
206-281-2140
www.spu.edu/depts/physics

FACULTY: [Tom B Bogue](#), [Eleanor W. Close](#), [Lezlie Salvatore DeWater](#), [John M Lindberg](#), [Lane Howard Seeley](#), [Stamatis Vokos](#), [Michael R Witiw](#)

Physics studies the changes, interactions, and properties of matter and energy and, as a result, strongly influences humankind's understanding of nature. In addition, as engineers create new technology based on the principles first discovered by physicists, the social economics and political structures of society changes.

The Department of Physics is dedicated to educating and preparing students for a variety of careers in science, education, engineering, and business. We seek to provide a broad program of studies in theoretical and applied physics informed by a Christian worldview, graduating students who are equipped for continued graduate study, professional careers, and service.

A variety of laboratory equipment is available to SPU students to support coursework and independent study activities. The recently renovated [Otto Miller Hall](#) facility contains dedicated teaching laboratories, upper-division research space, and upper-division laboratory facilities.

Admission to the Major

Admission and GPA requirement: A minimum 2.5 GPA (cumulative in all courses required for the major taken at SPU) is required for admission to the major. Additionally, a minimum 2.0 (C grade) must be earned in PHY 2321, and a minimum 1.7 (C- grade) must be earned in each other course required for the major.

Admission to the Minor

Applicants for minors in physics must display an average GPA of 2.5 or higher (4.0 = A) in at least two physics courses. [Requirements for the Physics Minor](#)

Physics Major Requirement

89 credits; 43 upper-division.

In addition to the course requirements, the student must complete a senior research project, as well as a senior laboratory project. The B.S. major provides preparation for graduate studies or professional careers in physics. PHY4899 is offered for 1 credit, but must be taken for 2 credits to meet the requirement.

[Requirements for the Physics Major](#)

Foreign Language Requirement

All students who complete the physics major must be proficient in a foreign language. Proficiency is established upon satisfactory complete of the third quarter of a first-year college-level foreign language course or its equivalent. For alternate ways of satisfying this requirement, see the [General Education](#) section. Language proficiency is not satisfied by transfer of an associate's degree from a community college unless the transcript records the completion of foreign-language coursework

PHYSICS MAJOR

90 Credits Total, Including 43 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
PHY 1101 General Physics (5)	15
PHY 1102 General Physics (5)	
PHY 1103 General Physics (5)	
OR	

PHY 1121 Physics for Sci & Engineering (5)	
PHY 1122 Physics for Sci & Engineering (5)	15
PHY 1123 Physics for Sci & Engineering (5)	
PHY 2321 Intermediate Physics	5
PHY 3311 Advanced Physics Lab (2)	
PHY 3312 Advance Physics Lab (2)	6
PHY 3313 Advanced Physics Lab (2)	
PHY 3401 Thermodynamics	5
PHY 3841 Dynamics	5
PHY 4310 Electricity and Magnetism	5
PHY 4341 Quantum Mechanics	5
PHY 4899 Natural Sciences Seminar	2
PHY 4970 Senior Project Laboratory	1-5
CHM 1211 General Chemistry I (5)	5
OR	
MAT 3724 Applied Analysis (3)	
MAT 3725 Applied Analysis (3)	6
MAT 1225 Calculus (5)	
MAT 1226 Calculus (5)	10
MAT 1228 Series & Differential Equation	5
MAT 2228 Multivariable Calculus	3
MAT 2401 Linear Algebra	3
SECTION CREDITS REQUIRED	75
Upper Division Physics Electives	15
TOTAL CREDITS REQUIRED	90

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

PHYSICS MINOR

36 Credits Total, Including 16 Upper Division

Physics Minor Core Requirements

Course	Credits
PHY 1101 General Physics (5)	
PHY 1102 General Physics (5)	15
PHY 1103 General Physics (5)	
OR	
PHY 1121 Physics for Sci & Engineering (5)	
PHY 1122 Physics for Sci & Engineering (5)	15
PHY 1123 Physics for Sci & Engineering (5)	
PHY 2321 Intermediate Physics	5
PHY 3311 Advanced Physics Lab	2
PHY 3312 Advance Physics Lab	2
PHY 3313 Advanced Physics Lab	2

SECTION CREDITS REQUIRED	26
Electives in Upper-Division Physics Courses	10
TOTAL CREDITS REQUIRED	36

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

PHYSICS COURSE DESCRIPTIONS

CHM 1211 General Chemistry I (5) [Offerings](#)

Prerequisites: Requires two years high school mathematics (including algebra), a passing score on the SPU Mathematics Proficiency exam (or completion of the required MAT 0120 credits), one year of high school chemistry, or CHM 1100 and passing the Chemistry Placement test. Introduces properties of matter, stoichiometry, chemical reactions, thermochemistry, states of matter, chemical bonding, and atomic and molecular structure. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

MAT 1225 Calculus (5) [Offerings](#)

Prerequisite: MAT 1110 or its equivalent and passing score on Mathematics Proficiency exam. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

Attributes: *Mathematics (MAT)*

MAT 1226 Calculus (5) [Offerings](#)

Prerequisite: MAT 1225. Explores differential and integral calculus of functions of one or more variables. Sequence begins both Autumn and Winter Quarters.

MAT 1228 Series & Differential Equation (5) [Offerings](#)

Prerequisite: MAT 1226. Studies infinite series, general solutions of linear, and certain nonlinear differential equations, solutions of systems of differential equations and series solutions.

MAT 2228 Multivariable Calculus (3) [Offerings](#)

Prerequisites: MAT 1226, 2401. Studies vectors and analytic geometry in three dimensions, partial differentiation, and multiple integration.

MAT 2401 Linear Algebra (3) [Offerings](#)

Prerequisite: MAT 1226. Studies vector spaces, matrices, and linear transformations.

MAT 3724 Applied Analysis (3) [Offerings](#)

Prerequisites: MAT 1228 and 2228. Studies vector analysis, Fourier series, partial differential equations, and boundary value problems. Offered alternate years.

Attributes: *Upper-Division*

MAT 3725 Applied Analysis (3) [Offerings](#)

Prerequisite: MAT 3724. Continuation of MAT 3724, including special functions. Offered as needed.

Attributes: *Upper-Division*

PHY 1101 General Physics (5) [Offerings](#)

The first quarter of a general introduction to physics, intended for biology and premed majors. Covers mechanics.

Attributes: *Natural Science B*

PHY 1102 General Physics (5) [Offerings](#)

Prerequisite: PHY 1101. The second quarter of a general introduction to physics, intended for biology and premed majors. Covers heat, sound, fluids, electricity and magnetism.

Attributes: *Natural Science B*

PHY 1103 General Physics (5) [Offerings](#)

Prerequisite: PHY 1102. The third quarter of a general introduction to physics, intended for biology and premed majors. Covers light, atomic, molecular and nuclear physics.

Attributes: *Natural Science B*

PHY 1110 Intro to the Nature of Science (5) [Offerings](#)

Provides a lecture, demonstration and discussion course in the physical sciences. Examines the scientific method in light of what it does and does not do. Covers selected scientific concepts and theories, drawing most of the examples from the field of physics. Not recommended for students with more than one high school science course.

Attributes: *Natural Science B*

PHY 1111 University Scholars Physics (5) [Offerings](#)

A general introduction to physics, intended for students in the University Scholars program. The course will cover Planetary motion, Newtonian mechanics, thermodynamics, relativity and quantum mechanics. Special emphasis will be given to historical relationships and the effects on current Western thought. Four class sessions and one laboratory each week.

PHY 1121 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: MAT 1225 may be taken concurrently. The first quarter of an introduction to physics using calculus. Covers mechanics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1122 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1121 and MAT 1225. The second quarter of an introduction to physics using calculus. Covers gravitation, oscillations, fluid mechanics, thermal physics, waves and electrostatics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1123 Physics for Sci & Engineering (5) [Offerings](#)

Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism and optics. Lectures and laboratory each week.

Attributes: *Natural Science B*

PHY 1135 Astronomy: Individual & Univers (5) [Offerings](#)

An integrative general introduction to astronomy, including astronomical observation and measurement, the solar system, extragalactic phenomena and cosmology. Includes the scientific method and worldview implications. (Not recommended for students who have taken NMS 1110).

Attributes: *Natural Science B*

<p>PHY 1140 Physics of Sound (5) Offerings</p> <p>Fundamentals of simple harmonic motion, nature of sound, transmission and reception of sound, pitch, quality, loudness, musical intervals, diatonic equal tempered scales, musical instruments, acoustics of instruments, acoustics of buildings, modern research in sound and acoustics.</p> <p><u>Attributes:</u> <i>Natural Science B</i></p>
<p>PHY 1142 Earth System Science (5) Offerings</p> <p>An interdisciplinary introduction to the processes, interactions and development of the earth's biosphere, geosphere and hydrosphere. Special emphasis will be given to current environmental issues and environmental stewardship.</p> <p><u>Attributes:</u> <i>Natural Science B</i></p>
<p>PHY 1145 Oceanography (5) Offerings</p> <p>An integrative introductory course covering physical, geological, chemical and biological oceanography. Includes consideration of epistemology and current research methods.</p> <p><u>Attributes:</u> <i>Natural Science B</i></p>
<p>PHY 1150 Introduction to Geology (5) Offerings</p> <p>Surveys geology including identification and origin of rocks and minerals, the processes of forming the present state of the earth, interpretation of geologic features and of the human impact on landscape. Laboratory experiences and/or field trips emphasized.</p> <p><u>Attributes:</u> <i>Natural Science B</i></p>
<p>PHY 1910 Special Topics in Physics Semn (1) Offerings</p> <p>Prerequisites: One of the following must be taken concurrently: PHY 1101, 1102, 1103, 1121, 1122, 1123. Provides a direct study of current problems and research areas in physics such as astrophysics, chaos and complexity, particles and fields, and relativity. May be repeated for credit 2 times.</p>
<p>PHY 2010 Physics MCAT Preparation (1) Offerings</p> <p>Prerequisite: PHY 1103 or 1123. This course is intended to augment the introductory physics courses in the specific physics topics which are covered on the MCAT examination. Faculty will serve as resources for a student-directed review of prior MCAT examinations.</p>
<p>PHY 2321 Intermediate Physics (5) Offerings</p> <p>Prerequisites: MAT 1228 and either PHY 1103 or 1123. (MAT 1228 may be taken concurrently). Introduction to the physics of the 20th century: relativity, waves and quanta with applications to areas of contemporary physics such as atoms, nuclei, particles and solids.</p>
<p>PHY 2566 Physical Sci:Process Inquiry (5) Offerings</p> <p>Laboratory-Based study of selected topics in physical science, with emphasis on depth of understanding and cultivation of essential scientific reasoning skills. Inquiry-based instruction guided by results from research in physics education and the professional development of teachers. Preparation for teaching physical science in elementary school; teaching strategies suitable for elementary education will be modeled.</p> <p><u>Attributes:</u> <i>Natural Science B</i></p>
<p>PHY 3010 Contmpary Iss in Physcl Sci Ed (2) Offerings</p> <p>This course will explore a variety of issues in science education. Students will read seminal articles in science education literature. This course is designed to give students a better understanding of the pedagogical strategies they may be currently using as learning assistants. Students will also be encouraged to consider the vocational calling to teaching in a variety of contexts.</p>

<p>PHY 3311 Advanced Physics Lab (2) Offerings</p> <p>Prerequisite: PHY 1103 or 1123, may be taken concurrently. Laboratory applications of electronics and instrumentation. Special emphasis will be given to experimental automation and data analysis using LabView.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>PHY 3312 Advance Physics Lab (2) Offerings</p> <p>Prerequisite: PHY 3311. Provides an integrated advanced laboratory course including experiments in optics, solid state physics, atomic physics and nuclear physics.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>PHY 3313 Advanced Physics Lab (2) Offerings</p> <p>Prerequisite: PHY 3312. Provides an integrated advanced laboratory course including experiments in optics, solid state physics, atomic physics and nuclear physics.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>PHY 3401 Thermodynamics (5) Offerings</p> <p>Prerequisites: MAT 1228, and either PHY 1103 or PHY 1123. Studies, at the macroscopic level, equilibrium properties of matter, conservation laws, equations of state and transformations of state for systems in which temperature is an appropriate variable. Considers engineering applications. Extra fee.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PHY 3841 Dynamics (5) Offerings</p> <p>Prerequisites: MAT 1228, 2401, and PHY 1101 or 1121. Study of vectorial treatment of Newton's laws for undamped and damped linear, rotational and vibrational motion in several coordinate systems. Includes solving problems for particles and rigid bodies using energy, momentum and angular momentum conservation laws. Extra fee.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PHY 4242 Atmospheric Science (2-5) Offerings</p> <p>Prerequisites: PHY 1103 or 1123, and MAT 1228. Studies structure and composition of the atmosphere, radiative and convective processes: dynamics and distribution of the atmosphere; cloud physics; introduction to climatology and the upper atmosphere. Offered on demand. May not be repeated.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PHY 4310 Electricity and Magnetism (5) Offerings</p> <p>Prerequisites: PHY 1103 or 1123, MAT 1228, 2228. Study of transmission lines as lumped-circuits, electrostatics, magnetostatics, boundary conditions, electromagnetic waves, and introduction to applications such as skin effect, reflections, waveguides, antennas and optics. Includes computer and laboratory experiments. Extra fee.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PHY 4311 Optics and Lasers (5) Offerings</p> <p>Prerequisite: PHY 1103 or 1123. General theory of geometrical optics, physical optics, fiber optics and optical devices. Lectures and laboratory each week. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PHY 4341 Quantum Mechanics (5) Offerings</p> <p>Prerequisites: PHY 1103 or 2321, MAT 2228. Surveys basic wave mechanics, quantum mechanical operators, dynamics of the wave functions, traveling waves and bound states.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PHY 4342 Atomic Physics (5) Offerings</p> <p>Prerequisite: PHY 4341. Studies the hydrogen atom, perturbation theory, one-electron atoms, fine and</p>

hyperfine structure. Explores Zeeman and Stark effects. Introduction to multi-electron atoms. Offered alternate years.

Attributes: *Upper-Division*

PHY 4391 Nuclear & Particle Physics (5) Offerings

Prerequisite: PHY 4341 or permission of instructor. Study of the fundamental interactions and elementary particles, resonance states and nuclei. Emphasis on invariance principles, conservation laws and simple applications of quantum theories and the theory of special relativity. Discussion of experimental methods including particle detectors and accelerators. Offered alternate years.

Attributes: *Upper-Division*

PHY 4441 Statistical Physics (3-5) Offerings

Prerequisites: PHY 3401. Studies classical and quantum statistical mechanics, Bose and Fermi statistics and applications to physical systems. Offered alternate years.

Attributes: *Upper-Division*

PHY 4491 Solid State Physics (2-5) Offerings

Prerequisite: PHY 2321. Focuses on lattice statics and dynamics, electrons and Fermi surfaces, transport phenomena, semiconductors and superconductivity. Offered alternate years.

Attributes: *Upper-Division*

PHY 4501 Physics:A Process of Inquiry I (5) Offerings

Laboratory-based study of selected topics in physics and physical science, with emphasis on depth of understanding and cultivation of essential scientific and reasoning skills. Inquiry-based instruction guided by results from research in physics education and the professional development of teachers. Preparation for teaching physics or physical science in middle school and high school. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division, Writing "W" Course*

PHY 4502 Physics:Process of Inquiry II (5) Offerings

Prerequisite: PHY 1103 or 1123 or instructor approval. Laboratory-based study of selected topics in physics, with emphasis on depth of understanding and cultivation of essential scientific and reasoning skills. Inquiry-based instruction guided by results from research in physics education and the professional development of teachers. Preparation for teaching physics at secondary school and introductory college levels. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division, Writing "W" Course*

PHY 4511 Preparatn forTchg UG Mechanics (1-3) Offerings

Prerequisites: PHY 1103 or 1123. Preparation for teaching physics using instructional materials that have been guided by results from physics education research. Includes supervised teaching practicum. May be repeated for credit up to 9 credits.

Attributes: *Upper-Division*

PHY 4512 Prep Tchg UG Electromagnetism (1-3) Offerings

Prerequisites: PHY 1103 or 1123. Preparation for teaching electromagnetism using instructional materials that have been guided by results from physics education research. Includes supervised teaching practicum. May be repeated for credit up to 9 credits.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

PHY 4513 Preprtn Tchg UG Waves & Optics (1-3) Offerings

Prerequisites: PHY 1103 or 1123. Preparation for teaching waves and optics using instructional materials that have been guided by results from physics education research. Includes supervised teaching practicum. May be repeated for credit up to 9 credits.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

<p>PHY 4899 Natural Sciences Seminar (1) Offerings</p> <p>Prerequisite: PHY 2321. A capstone experience for seniors that explores current natural sciences topics in an interdisciplinary setting. Seminars addressing current research advances, ethical issues in science or the intersection of science, vocation and Christian faith are presented by faculty, students and guest scholars. Discussion and reflection incorporate appropriate readings. A minimum of two quarters of seminar must be completed during the senior year to fulfill the senior capstone requirement. May be repeated for credit up to 3 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Physics Majors only. Senior students only.</i></p>
<p>PHY 4900 Independent Study (1-5) Offerings</p> <p>Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 5 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PHY 4905 Independent Study in Physics (1-5) Offerings</p> <p>The area of study to be mutually agreed upon by the student and a physics faculty member. May be repeated for credit up to 5 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PHY 4930 Physics Practicum (1-5) Offerings</p> <p>Physics Practicum May be repeated for credit up to 5 credits.</p>
<p>PHY 4940 Internship in Physics (1-5) Offerings</p> <p>Provides a significant learning experience to be obtained in a closely supervised work-study program. May be repeated for credit up to 5 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>PHY 4970 Senior Project Laboratory (1-5) Offerings</p> <p>Prerequisites: PHY 3313 and senior standing. Independent research directed toward satisfaction of requirement of senior project for graduation with major in physics. May be repeated for credit up to 5 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Junior, Sophomore students are excluded.</i></p>

PHYSICS DEPARTMENT FACULTY

Bogue, Tom B. Lilly Post-Doctoral Fellow in Physics; B.S., University of Connecticut 1998; Master of Science, New Mexico State University Park 2002; Doctor of Philosophy, New Mexico State University University Park 2006. At SPU since 2006. ([Contact Info](#))

Close, Eleanor W.. Assistant Professor of Physics; B.A., Bryn Mawr College 1996; Certificate, East Carolina University 1999; Master of Science, University of Washington 2003. At SPU since 2004. ([Contact Info](#))

DeWater, Lezlie Salvatore. Resident Master Teacher in Physics; Master of Education, University of Washington 1999 ([Contact Info](#))

Lindberg, John M. Department Chair of Physics / Associate Professor of Physics; B.S., North Park University 1983; Master of Science, University of Washington 1986; Doctor of Philosophy, Heriot-Watt University 1999. At SPU since 1999. ([Contact Info](#))

Seeley, Lane Howard. Assistant Professor of Physics; B.S., University of Puget Sound 1994; Master of Science, Montana State University Billings 1996; Doctor of Philosophy, University of Washington 2001. At SPU since 2001. ([Contact Info](#))

Vokos, Stamatīs. Associate Professor of Physics; B.S., Univ. of Kent at Canturbury 1984; Master of Arts, University of Calif Berkeley 1985; Doctor of Philosophy, University of Calif Berkeley 1990. At SPU since 2002. ([Contact Info](#))

Witw, Michael R. Associate Professor of Physics; B.S., St Josephs University 1969; Doctor of Philosophy, Florida Institute Tech 1996. At SPU since 2006. ([Contact Info](#))

PRE-PROFESSIONAL HEALTH PROGRAMS

Science Building
206-281-2797

www.spu.edu/depts/biology/preprofessional3.asp

Cynthia L. Fitch, Coordinator, Department of Biology

Seattle Pacific University offers faculty advising for a number of pre-professional health programs (PPHS) that prepare students to transfer and/or gain acceptance into professional health programs at other institutions.

Pre-Medicine and Pre-Dentistry

It is important to stress that medicine and dentistry are recognized as areas in the healing arts. As such, they are best served by practitioners well grounded in the liberal arts, human sciences, and the pure sciences. Strong competition exists for admission to these professional schools, especially in medicine, and it is important to obtain advising from the coordinator of premedicine and pre-dentistry to plan a strong program. To become a competitive candidate, a student must be well acquainted with the requirements and procedures as outlined below.

There are several factors considered by medical and dental selection committees. They include the following: the student's grades; the MCAT or DAT scores; a letter of evaluation from the pre-professional health science committee; other support letters; clinical and/or research experience; and an interview with the medical or dental school admissions committee.

Medical School Admissions Checklist

First two college years

1. Select a curriculum that will challenge your abilities and interest in the liberal arts and the basic sciences and fulfill more than minimum premedical requirements. Be sure that other courses taken are in areas of interest that will usually be reflected in a good performance and will enhance your liberal arts background. There is no required or recommended major. Select your major in the field that interests you the most — make it a genuine choice.
2. Get to know the PPHS coordinator and the advisory committee faculty. Speak with students who are juniors and seniors and learn of their experiences.
3. Involve yourself with extracurricular commitments that are of interest to you, reflect your interest in medicine, and demonstrate service to the community.
4. Develop friendships with members of the faculty who share common interests with you. This will enable them to better function in a support capacity during your application process.
5. Learn as much as you can about medicine from physicians, medical students, local hospitals, etc.
6. Try to achieve an outstanding undergraduate record and grade point average. Should you do poorly in an area, repeat the course or take a similar upper-level course to demonstrate your ability.
7. Arrange with the PPHS coordinator and/or clinicians in the area that interests you to observe medicine or dentistry first hand. These observations will probably be volunteer hours. A significant number of these hours are expected by admissions committees to demonstrate that you clearly understand the expectations of the profession.

Third year

1. Continue to improve or maintain a high academic performance.
2. Obtain a copy of the Association of American Medical Colleges' Medical School Admission Requirements or the ADEA Official Guide to Dental Schools. Study its contents and make note of any changes or new schools of medicine that may have new entering classes (also see www.aamc.org or www.adea.org).
3. Prepare for the MCAT or DAT (you may choose to enroll in special courses taught to improve test taking).
4. Discuss your relative chances of entrance to medical/dental school with your PPHS coordinator and other members of the faculty who you hold in high regard. Be realistic! If your chances appear to be excellent, visit and talk to schools of your interest. Speak to their students to learn about the curriculum design and general attitudes. DO NOT take the MCAT or DAT just to see what it is about or "for practice." The record of your test-taking attempts follows for ALL subsequent applications.
5. Carefully assess your chances for entrance into medical or dental school. Research particular schools that interest you and where you think you might have a better chance of admission.

6. If you are prepared to take the MCAT, apply in early winter to take the test given in April (www.aamc.org/students/mcat). If your MCAT scores are poor or only average consider retaking the test in August. Take the DAT in the summer following your junior year. Register [here](#).
7. In the spring of your junior year, make arrangements with the PPHS coordinator to have an interview with your PPHS advisory committee. Upon request, the committee will provide an appropriate letter of recommendation for you to the schools to which you apply. Letters from outside sources are due to the coordinator in the summer following your junior year.
8. At the end of your junior year, write your personal statement and begin the central application process. The medical school primary application is called AMCAS (www.aamc.org/students/amcas/start.htm) for domestic M.D. granting institutions, AACOMAS (aacomas.aacom.org) for domestic D.O. granting institutions, and AADSAS (www.adea.org/AADSAS) for the dental school primary application.
9. Use the early summer to complete all application forms online. Submit your application early. Admissions to most of these schools is on a "rolling" admission basis. Adhering strictly to "apply by the deadline" is considered showing minimal interest and most often results in rejection.

Fourth year

1. Be sure that all necessary materials have been forwarded to AMCAS, AACOMAS, or AADSAS, or directly to the medical or dental schools of your interest as requested by these organizations. (i.e., transcripts, recommendations, and MCAT or DAT scores).
2. Complete all scholarship and loan applications as soon as possible. To be eligible for financial aid, you must complete the FAFSA form. Consider other means of financing if necessary.
3. In early Autumn Quarter, continue to evaluate your admission potential. You may decide to apply to additional medical schools. If so, be aware of their application deadline dates so that your application is eligible for consideration.
4. Notify your faculty members of selection for interview and dates that you need to travel and be away from your classes.
5. If you are admitted to the school of your choice, notify all other schools in which you are no longer interested as a courtesy to them.
6. As the school year progresses, send any additional items (such as first quarter grades) to the schools considering your application.
7. If you are placed on the waiting list, continue to add to your record all additional credits, honors, experiences, etc., to strengthen your application.
8. If you are admitted to medical school or dental school, forward your deposit and begin planning for housing and loans, etc.
9. If you are not admitted, consider and discuss alternatives with the PPHS coordinator.

A summary of procedure

1. Get to know the PPHS coordinator of premedicine and predentistry as soon as possible in your first year.
2. Arrange premedical or pre-dental volunteer experiences throughout your first two years.
3. Arrange for a pre-professional health science committee interview and committee evaluation letter before you submit your AMCAS, AACOMAS, or AADSAS application. (Spring Quarter is the time of year for PPHS committee interviews.)
4. Take the MCAT in either April of your junior year or August of your senior year. Take the DAT in the summer after your junior year.
5. Submit your application to medical or dental school during the summer between your junior and senior years.

General Coursework for Pre-Medical and Pre-Dental

Since specific requirements vary from school to school, students should become familiar with the specific requirements of the medical or dental schools to which they intend to apply. However, nearly all medical and dental schools have at least the following minimal expectations:

General Coursework

Chemistry , including one year general, one year organic — all with labs: CHM 1211, CHM 1212, CHM 2540, CHM 3371, CHM 3372, CHM 3373.	30
Biology , one year general with labs: BIO 2101, BIO 2102, BIO 2103, plus selected upper-division core courses.	20–25
Physics , one year algebra-based or calculus-based with lab: PHY 1101, PHY 1102, PHY 1103, or PHY 1121, PHY 1122, PHY 1123.	15
English (writing courses and general education coursework)	10
Math (Variable amounts of college level mathematics ranging from one quarter	5–15

of statistics to one full year of calculus — discuss with coordinator.)

Total

85–95

Additional science courses are strongly recommended in anatomy, biochemistry, cell biology, developmental biology, genetics, histology, physical chemistry, and physiology. Some medical schools also suggest a knowledge of calculus. All applicants must complete a minimum of 135 quarter credit hours (three years) of academic work. However, with the increasing competition to enter medical and dental schools, it is rare for applicants to be admitted with less than four years of undergraduate work and a bachelor's degree.

Pre-Physical Therapy

In order to meet American Physical Therapy Association accreditation standards, all physical therapy educational programs are required to lead to a doctorate degree (a few schools still have a master's program). The master's degree is being replaced with the doctorate. Therefore, students seeking admission to a physical therapy educational program need to complete a bachelor's degree in any field, plus include the following prerequisite coursework:

Physical Therapy Prerequisites

Contact each physical therapy school for their admission packet.

ENG 2201 Intermediate College Writing or ENG 3205 Writing in the Professions	3
BIO 2101, 2102, 2103 General Biology	15
BIO 2129, 2130 Human Anatomy and Physiology	10
BIO 3351 General Microbiology	5
CHM 1211, 1212 General Chemistry	10
CHM 1330 Organic and Biological Chemistry	5
CHM 2540/3540 Introductory Inorganic Chemistry	5
PHY 1101, 1102, 1103 General Physics	15
Statistics (e.g., MAT 1360 or HSC 4044)	5
PSY 1180 General Psychology	5
PSY 2470 or 4420 Life Span or Developmental Psychology	5
PSY 4460 Abnormal Behavior	5
PE 3570 Biomechanics	5
PE 3580 Exercise Physiology	5
Total	98

Total Pre-Optometry

The need for a well-trained doctor of optometry is increasing. Admission committees for four-year programs leading to the doctor of optometry consider the following factors: strength and breadth of academic record, OAT scores, evidence of work (paid or volunteer) under the supervision of a professional in optometry, extra curricular activities and community service, and strength of recommendations and on-campus interviews. (Contact each optometry school for its admission packet.)

Enrollments are limited and admission is selective. All preoptometry courses must be completed before entering a college of optometry. The following represents a minimum pre-optometry program:

Minimum Pre-Optometry Program

BIO 2101, 2102, 2103 General Biology	15
Some schools also require BIO 2129 and BIO 2130 and BIO 3351	15
CHM 1211, 1212 General Chemistry	10
CHM 2540/3540 Introductory Inorganic Chemistry	5
CHM 3371, 3372, 3373 Organic Chemistry	15
Mathematics (including a course in calculus)	10–15
MAT 1360 or HSC 4044 Statistics	5
PHY 1101, 1102, 1103 or 1121, 1122, 1123 Physics	15
Psychology	5
Other social sciences	5–10
English (must include a course in expository writing)	9
Total	119

Pre-Pharmacy

These recommendations are for persons desiring to enter pharmacy as a profession. Currently, the entry degree into pharmacy is the doctorate of pharmacy. Pre-pharmacy students must have a sound background in math and science, which can be accomplished by majoring in either biology, chemistry, or biochemistry. Good

communication skills are important, as is a broad general education in the social sciences and humanities. The pre-pharmacy program required by schools of pharmacy is a minimum of two years.

The following is a list of courses often required by many of the schools of pharmacy. One should check the individual school of pharmacy to get the specific requirements and also check with the pre-health science advisor. Applications to pharmacy schools begin with a [central application](#).

Pre-Pharmacy Recommendations	
BIO 2101, 2102, 2103 General Biology	15
BIO 2129 and 2130 Anatomy and Physiology	10
BIO 3351 Microbiology	5
CHM 1211, 1212 General Chemistry	10
CHM 3371, 3372, 3373 Organic Chemistry	15
CHM 2540/3540 Introductory Inorganic Chemistry	5
Mathematics (including a course in calculus)	5–10
MAT 1360 or HSC 4044 Statistics	5
Total	75

Note: Two courses in English composition, humanities, and social science. Other recommended courses in speech, English literature, economics, psychology, history, and physics. Some pharmacy schools do not require human anatomy and physiology courses.

Pre-Veterinary

These recommendations are for persons desiring to enter veterinary medicine as a profession, resulting in the D.V.M. (doctorate in veterinary medicine). Competition is intense to gain acceptance to veterinary medicine. Applications to veterinary medicine schools begin with a [central application](#). Students seeking admission to a veterinary medicine educational program need to complete a bachelor's degree in any field, plus include the following prerequisite coursework:

Pre-Veterinary Recommendations	
BIO 2101, 2102, 2103 General Biology	15
BIO 4413 Animal Physiology	5
BIO 3432 Vertebrate Biology	5
BIO 3324 Genetics	5
BIO 3351 Microbiology	5
BIO or CHM 4361 and 4362	10
CHM 1211, 1212 General Chemistry	10
CHM 3371, 3372, 3373 Organic Chemistry	15
CHM 2540/3540 Introductory Inorganic Chemistry	5
PHY 1101, 1102, 1103 or 1121, 1122, 1123 Physics	15
Mathematics (including a course in calculus)	5
MAT 1360 or HSC 4044 Statistics	
Total	100

Note: Additional courses in English composition, humanities, and social science. Other recommended courses in speech, English literature, economics, psychology, and history will be required by individual vet schools.

FAMILY AND CONSUMER SCIENCES

Peterson Hall
206-281-2195
www.spu.edu/depts/fcs

FACULTY: [Barbara J Bovy](#), [Daniela Geleva](#), [Sandra C Hartje](#), [Sharleen Leslie Kato](#), [Jaeil Lee](#), [Beth Marie Miller](#), [Keith E. Miller](#), [Gaile Moe](#)

Family and consumer sciences (FCS) is a multidisciplinary field of study integrating and applying knowledge from research within the discipline, the natural sciences, social and behavioral sciences, and the arts. Using basic principles from these disciplines, family and consumer sciences offers solutions to problems faced by individuals, families, and communities. Students can major in elementary or secondary family and consumer sciences education; general family and consumer sciences; food and nutritional sciences; or clothing, textiles, and interior design. The program provides a strong undergraduate background for those students wishing to attend graduate school. Practicum and internship experiences are available in related industries, public service, and government, and are an integral part of the curriculum.

Requirements for the Majors

Family and consumer sciences views families as the fundamental social unit, and understanding individuals and families is central to each FCS major. The FCS general major prepares students to understand individuals and families and to motivate students to use their specialization knowledge to affect the direction of our culture through service to families and communities.

A variety of degree programs are available in family and consumer sciences, each built around a common core of courses designated as the family and consumer science core curriculum. Students select a major from the options offered and these courses are taken concurrently with the core curriculum. Of the total credits required for a family and consumer science major, 25 credits must be upper-division credits. Admission to the food and nutrition major requires completion of the following courses: BIO 2129, BIO 2130, CHM 1211, CMH 1330, FCS 1050, and FCS 2365 or FCS 3340. A grade of C- or higher in each of these courses is required. An overall GPA of 2.8 or higher is required for the dietetics specialization; an overall GPA of 2.5 or higher is required for the other food and nutrition specializations.

Admission to the interior design specialization requires an overall GPA of 2.5 or higher and a GPA of 2.8 or higher in the following courses: FCS 1050, FCS 2702, and FCS 2204. Admission to all other FCS majors and specializations requires completion of at least three FCS courses and an overall GPA of 2.5 or higher. Faculty must approve all admissions.

[Core Curriculum Required for All FCS Majors.](#)

Individual and Family Development

The individual and family development major is intended to prepare students to understand individuals and families, and to use their specialization knowledge to affect the direction of our culture through service to families in business, social service, and educational settings. The major includes supplementary upper-division coursework in sociology, psychology, and health sciences. All majors take the family and consumer sciences core. [Requirements for Individual and Family Development Major.](#)

Family and Consumer Sciences Education Major

The B.A. degree is offered in elementary and secondary family and consumer sciences education. All students working toward this degree are required to take the family and consumer sciences core and the required courses in the major to meet the endorsement standards in elementary or secondary certification. Students who complete required courses in the major also meet endorsement standards in elementary or secondary certification. Students who complete the required courses in the major for secondary certification also meet state standards for certification in FCS career and technical education. Students seeking teacher certification in family and consumer education at either the elementary or secondary level must meet the requirements of the teacher education program. For complete FCS elementary education requirements, see the [School of Education](#).

[Requirements for FCS Elementary Education Major.](#)
[Requirements for FCS Secondary Education Major.](#)

Certification in Career and Technical Education

Seattle Pacific University is an approved institution for certification in career and technical education of family and consumer sciences teachers in middle, junior, and high school FCS programs. In addition to secondary course requirements, students must meet first-aid requirements.

Food and Nutritional Sciences Major

The B.S. degree is offered in food and nutritional sciences. All majors must take the family and consumer sciences core and the required courses, plus one of the areas of study. Because certain chemistry and biology courses are prerequisites to many nutrition courses, it is most efficient to complete the prerequisite by the junior year. The dietetics specialization in the food and nutritional sciences program, also known as the didactic program in dietetics, has had approval since 1992 by the Commission on Accreditation for Dietetics Education of the American Dietetics Association, 120 South Riverside Plaza, Suite 2000, Chicago, Illinois 60606-6995; phone 312-899-0040, extension 5400; and at www.eatright.org.

This means an SPU graduate with a dietetics specialization is eligible to apply for a dietetic internship in another institution. After the dietetic internship, the student is eligible to sit for the national registration exam for dietitians. If passed, the student becomes a registered dietitian. [Requirements for the Food and Nutritional Sciences Major.](#)

Post-Baccalaureate Students Seeking to Fulfill Didactic Program Requirements

Students with a B.A. or B.S. degree in another discipline may apply to the University in order to complete the didactic program in dietetics requirements. These requirements consist of food and nutritional sciences required courses and the dietetics specialization courses. The didactic program director will review previous academic transcripts and course materials to determine which course requirements have been fulfilled by prior coursework. Students are required to complete a minimum of four of the required courses at Seattle Pacific University. After completing all requirements students are eligible to apply for an ADA-approved dietetic internship.

Textiles and Clothing Major

The B.A. degree is offered in textiles and clothing, and interiors. The curriculum is designed to train individuals for careers in the areas of retail merchandising, apparel manufacturing, and advertising. Students can select from interior design.

[Requirements for the Clothing and Textiles Major.](#)

Fashion Institute of Technology (FIT)

Students in the textiles and clothing program who have major status and have maintained a satisfactory grade point average may select from nine additional specializations if they are accepted into the liaison program with the Fashion Institute of Technology in New York City. Specializations offered through the liaison program with FIT include accessories design; advertising and communication; advertising design; manufacturing management; fashion design; fashion buying and merchandising; jewelry design; textile/surface design; or textile development and marketing. Students considering this option should seek advisement early in their academic careers in order to meet the requirements of both FIT and SPU.

Fashion Institute of Design and Merchandising

Students have an option of pursuing a concentrated year of training in interior design by participating in the liaison program with the Fashion Institute of Design and Merchandising (FIDM) in Los Angeles, California. Students electing to participate in the FIDM liaison would apply in their junior year and attend during their senior year. Students considering this option should seek advisement early in their academic careers in order to meet the requirements of both FIDM and SPU.

Interior Design Major

The B.A. degree is offered in interior design. The curriculum is designed to train individuals for careers in the areas of residential and commercial design. The Interior Design program prepares students for a variety of entry-level positions in interior design. This interdisciplinary program combines courses from art, business, and family and consumer sciences. The program features a student chapter of ASID (American Society of Interior Designers), a required internship (FCS 4940), AutoCAD courses, and a liaison program with FIDM (the Fashion Institute of Design and Merchandising).

[Requirements for the Interior Design Major](#)

Requirements for the Minors

Three minors are offered: (1) Individual and Family Development; (2) food and nutritional sciences; and (3) clothing and textiles. A minimum of 30 credits in family and consumer sciences, including 15 upper-division credits, are required for each of the three minors.

[Minor in Individual and Family Development](#)

[Minor in Food and Nutritional Sciences](#)

[Minor in Clothing and Textiles](#)

FAMILY AND CONSUMER SCIENCES INDIVIDUAL & FAMILY DEVELOPMENT

62 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

Family and Consumer Sciences Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contemptry Issues	3
SECTION CREDITS REQUIRED	10
Individual and Family Development	
Course	Credits
FCS 2252 Marriage and the Family	5
HSC 3035 Human Sexuality	3
FCS 3220 Child Development	3
FCS 3320 Maternal & Child Nutrition	3
FCS 3410 Individual & Family Finance	4
FCS 3460 Family Resource Management	3
FCS 3564 Prsntatn Skills for FCS Prfsnl	4
FCS 3710 Family Housing	5
FCS 3875 Appearance and Culture	3
FCS 4240 Family Relations	3
PSY 4420 Adolescent Developmental Psych	5
PSY 4460 Abnormal Psychology	5
FCS 4900 Independent Study	1-5
SECTION CREDITS REQUIRED	47
Take this course or Approved Alternative:	
Course	Credits
SOC 3751 Intro to Research Methods	5

SECTION CREDITS REQUIRED	5
TOTAL CREDITS REQUIRED	62

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

SECONDARY FAMILY AND CONSUMER SCIENCES EDUCATION
70 Credits Total, Including 25 Upper Division

Suggested Course Sequence

Family and Consumer Sciences Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contemptry Issues	3
SECTION CREDITS REQUIRED	10
Family and Consumer Sciences Secondary Education Core	
Course	Credits
BIO 1100 Biological Science (5)	3
FCS 2385 Food & the Consumer (3)	
FCS 2252 Marriage and the Family	5
FCS 2365 Food Science	5
FCS 1710 Design Fundamentals (5)	3
FCS 2702 Introductn to Interior Design (3)	
FCS 3830 Textiles	5
FCS 3220 Child Development	3
FCS 3365 Practcal Applctn Food Nutr Pln	4
FCS 3410 Individual & Family Finance	4
FCS 3460 Family Resource Management	3
FCS 3564 Prsntatn Skills for FCS Prfsnl	4
FCS 3710 Family Housing	5
FCS 3875 Appearance and Culture	3
FCS 4240 Family Relations	3
FCS 4250 Strategies in Early Childhood	3
FCS 4511 Curr & Eval in FCS Education	5
FCS 4512 Aspects Career&Tech Ed FACSE	3
SECTION CREDITS REQUIRED	61

TOTAL CREDITS REQUIRED	70
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Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

FAMILY & CONSUMER SCIENCE MAJOR WITH TEACHER CERTIFICATION

58 Credits Total, Including 25 Upper Division

Suggested Course Sequence

Education: Family & Consumer Science Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contempry Issues	3
SECTION CREDITS REQUIRED	10
Education: FCS Courses for Elementary Certification	
Course	Credits
BIO 1100 Biological Science (5)	3
FCS 2385 Food & the Consumer (3)	
FCS 2365 Food Science	5
FCS 1710 Design Fundamentals (5)	3
FCS 2702 Introductn to Interior Design (3)	
FCS 3220 Child Development	3
FCS 3385 Food & Culture (3)	3
FCS 3710 Family Housing (5)	
FCS 3410 Individual & Family Finance	4
FCS 3460 Family Resource Management	3
FCS 3875 Appearance and Culture	3
FCS 3564 Prsntatn Skills for FCS Prfsnl	4
FCS 4240 Family Relations	3
FCS 4250 Strategies in Early Childhood	3
FCS 4511 Curr & Eval in FCS Education	5
SECTION CREDITS REQUIRED	49
TOTAL CREDITS REQUIRED	58

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

INDIVIDUAL AND FAMILY DEVELOPMENT MINOR

30 Credits Total, Including 15 Upper Division

Required Courses	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 2252 Marriage and the Family	5
FCS 3220 Child Development	3
FCS 3240 Individual & Family Developmnt	5
FCS 3410 Individual & Family Finance	4
FCS 3460 Family Resource Management	3
FCS 4240 Family Relations	3
FCS 4250 Strategies in Early Childhood	3
SECTION CREDITS REQUIRED	28
Additional Courses	
Course	Credits
BIO 1100 Biological Science (5)	24
FCS 2365 Food Science (5)	
FCS 2385 Food & the Consumer (3)	
FCS 2702 Introductn to Interior Design (3)	
FCS 2820 Intro to the Fashion Industry (5)	
FCS 3320 Maternal & Child Nutrition (3)	
SECTION CREDITS REQUIRED	2
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

FAMILY & CONSUMER SCIENCES COURSE DESCRIPTIONS

<p>BIO 1100 Biological Science (5) Offerings</p> <p>Intended for non-biology majors. Emphasis varies quarterly: human nutrition, animal biology, environmental biology, biological diversity, marine biology, and others. Basic concepts include the chemistry of living things, their structure and function, and their interactions with the environment. Applications to current issues are considered from a Christian perspective. No credit will be given for students who have taken BIO 2101, 2102, 2103, 2129, 2130, or who have advanced placement biology credit. Also offered at Blakely Island Field Station and as a study tour.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>FCS 1050 Introduction to FCS (2) Offerings</p> <p>Introduces the history, literature, and contributions of the family and consumer science profession to help students discover special interests, career potential, and set academic goals. The integration of faith, vocation, and calling is explored through class discussions and reflective exercises. Guest speakers highlight each FCS major.</p>

FCS 1710 Design Fundamentals (5) [Offerings](#)

Surveys how design is used to enhance human life through applications of creativity, material integrity, and design elements and principles. The course also focuses on the history of interior design and architecture, providing an overview of styles ranging from ancient through current genres. Relevant environmental issues are also addressed. Includes local field trips and events. Part of the course will be Web-based.

Attributes: *Arts and Humanities A*

FCS 1840 Basic Clothing Construction (3) [Offerings](#)

Presents basic techniques necessary for the construction of simple garments. This is a skills-oriented class designed to develop strong competencies required by the beginning sewer who wishes to become proficient in constructing professional-looking apparel.

FCS 2110 Fashion Illustration (3) [Offerings](#)

Explores the professional uses of fashion illustration, career opportunities, training, and skills required for the professional. Teaches design details and rendering of an elementary fashion figure through lectures and demonstration. May be repeated for credit up to 6 credits.

FCS 2204 Interior Design Studio (3) [Offerings](#)

Provides a practical introduction to architectural drafting, hand lettering, space planning, and presentation. Applies the elements and principles of design to residential interior design problems. Extra fee.

Restrictions: *Freshman students are excluded.*

FCS 2252 Marriage and the Family (5) [Offerings](#)

Surveys the family as an institution and a mode for personal living: marital adjustment, parent-child relationships, changing family patterns, and family disorganization and reorganization.

FCS 2365 Food Science (5) [Offerings](#)

This course examines foods widely consumed in the United States drawing knowledge from the disciplines of chemistry, microbiology, biology, nutrition and sensory evaluation. Food composition, preparation, safety, quality, and processing are emphasized. Includes laboratory. Extra fee.

FCS 2375 Food Production & Management (5) [Offerings](#)

Prerequisite: FCS 2365. Surveys the organization, management, and cost control of food service operations. Includes laboratory experience in quantity food-service facilities in Seattle. Extra fee.

FCS 2385 Food & the Consumer (3) [Offerings](#)

Examines the nutrient composition and selection of food, as well as how nutrition influences human health and disease. Also explores controversial issues surrounding food production, policy and marketing and aims to inform and empower the student to become a better consumer of food and nutrition information in the marketplace as well as a better advocate for her or his health.

FCS 2702 Introductn to Interior Design (3) [Offerings](#)

Examines elements and principles of design applied to residential and commercial interiors, and provides an overview of the interior-design field.

FCS 2820 Intro to the Fashion Industry (5) [Offerings](#)

Presents an overview of the background, structure, and operation of the ever-changing world of the fashion

industry. Provides basic knowledge and skills for effective development in understanding the fashion industry and fashion. Allows a chance to explore one's personal attributes and different career opportunities in the fashion industry.

Restrictions: *Freshman students are excluded.*

FCS 2870 Seeing History Through Clothes (5) Offerings

Study of how political, economic, and sociological factors have influenced people's clothing choices and the materials available for dress. This course will examine clothing styles throughout history, from early Egypt to the present day, with special focus on dress during the 18th, 19th, and 20th centuries.

Attributes: *Arts and Humanities A* Restrictions: *Senior students are excluded.*

FCS 3050 Intro Family & Consumer Sci II (2) Offerings

Introduces the history, literature and contributions of the family and consumer science profession to help students discover special interests, career potential and set academic goals. The integration of faith, vocation, and calling is explored through class discussions and community service experiences. Guest speakers highlight each FCS major.

FCS 3220 Child Development (3) Offerings

Analyzes factors that affect development of the child physically, emotionally, socially, and intellectually. Identifies the impact of health, the environment and society on the child.

Attributes: *Upper-Division*

FCS 3240 Individual & Family Developmnt (5) Offerings

Prerequisite: FCS 1050. Introduction to the application of concepts and theories in human development within the context of the family. Explores the reciprocal relationships between families and their environment and issues of individuals and families as consumers that affect the quality of life.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

FCS 3320 Maternal & Child Nutrition (3) Offerings

Prerequisites: FCS 2385, 3340 or BIO 1100 (Human Nutrition). Studies the influence of nutrition on the course and outcome of pregnancy; nutritional needs during lactation, fundamentals of infant nutrition and influence of nutrition on growth, development, and behavior during infancy, childhood and adolescence. Women's study minor course.

Attributes: *Upper-Division*

FCS 3340 Human Nutrition (5) Offerings

Prerequisites: CHM 1211, 1330, BIO 2129, and 2130 (Note: either BIO 2130 or CHM 1330 may be taken concurrently). Presents essentials of adequate diets and food sources of the nutrients; nutritional needs throughout the lifespan; nutritional composition of foods in relation to normal diets and medical nutrition therapy.

Attributes: *Upper-Division*

FCS 3350 Counseling Theory & Skills (3) Offerings

Examines the knowledge and skills required for effective nutrition counseling. Includes topics such as counseling and health behavior theories, counseling strategies for individuals, families and groups, and professional ethics. Uses case studies, simulations and role playing to develop skills.

Attributes: *Upper-Division* Restrictions: *Food & Nutritional Sciences Majors only. Freshman, Sophomore students are excluded.*

FCS 3365 Practcal Applctn Food Nutr Pln (4) Offerings

Prerequisite: FCS 2365, a human nutrition course or permission of instructor. This course develops skills in the application of nutrition principles to menu and meal planning, food preparation, presentation and culinary techniques and management of resources. Skill in using nutrition analysis software is developed. Includes laboratory. Extra fee.

Attributes: Upper-Division

FCS 3385 Food & Culture (3) Offerings

Prerequisite: Junior standing or permission of instructor. Explores the ways in which diet and food practices can best be understood within the context of culture. Various cultural traditions, cuisines, foods, food ways and nutritional practices are explored. Extra fee. May be repeated for credit up to 6 credits.

Attributes: Upper-Division, Writing "W" Course Restrictions: Freshman, Sophomore students are excluded.

FCS 3410 Individual & Family Finance (4) Offerings

Understanding financial planning for individuals and families, including net worth, budgeting, cash management, use of credit, federal income taxes, investment basics, insurance, making wise consumption decisions, consumer redress, and ethical behavior in the marketplace.

Attributes: Upper-Division

FCS 3460 Family Resource Management (3) Offerings

Prerequisite: FCS 1050. Emphasis is on a systems approach to resource management within the family ecosystem. Includes strategies for maximizing management influences on individuals and families at varying stages of the lifecycle and socioeconomic levels. Explores issues of work and family.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

FCS 3564 Prsntatn Skills for FCS Prfsnl (4) Offerings

Prerequisites: FCS 3240 and five completed courses in FCS area of specialization within the major, or permission of instructor. Provides opportunity for skill development in content selection and delivery techniques appropriate to audiences in the areas of professional practice for the family and consumer sciences profession. Students' presentations utilize the lecture/demonstration method.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3710 Family Housing (5) Offerings

This survey course studies housing as a complex process and product that meets individual, family, and community needs. Housing is demanded by consumers and supplied by the private, nonprofit, and government sectors of the economy. The provision of housing is further impacted by government policies at the local, state, and federal level. Topics addressed include defining housing, housing constraints, construction, styles, housing tenure, financing home ownership, the housing market, housing for special populations, and social issues related to housing.

Attributes: Upper-Division, Writing "W" Course Restrictions: Freshman, Sophomore students are excluded.

FCS 3712 Lighting Design (4) Offerings

Prerequisites: FCS 2204 and 2702. Explores the use of lighting as a design element in the interior environment. Electricity, electrical distribution systems, light sources, lighting calculation, lighting fixtures, and lighting installations are topics of lecture and discussion.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3714 Advanced Design-Interiors (3) Offerings

Prerequisite: FCS 2204. Applies the design process to practical problems in interior-design drafting. Incorporates elements of space planning, universal design, and organization of commercial space. Extra fee.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

FCS 3720 Universal Design in Housing (3) Offerings

Introduces the students to the fundamentals of universal design and home modifications. Students learn about human factors, activities of daily living, and priorities to make the best functional and aesthetic use of space. This course is designed to stimulate students' critical thinking and creative problem solving often in very restricted space.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3820 Apparel Retail Merchandising (5) Offerings

Prerequisite: FCS 2820. Studies the fundamentals of successful retail strategic management and merchandising. Introduces the role of retail buyer's in merchandise management and organization, and operation of retail firms offering apparel products. Emphasizes external market analysis, and internal planning and management procedures to satisfy consumer needs within profitable retail organization.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3830 Textiles (5) Offerings

Study of textiles from raw materials through finishing and dyeing of fabrics as related to durability, comfort, and aesthetics. Survey includes the structure of the textile industry, textile laws and regulations, and textile testing. Provides hands-on experiences in areas such as fiber identification, properties, and structures.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

FCS 3840 Flat Pattern Design (5) Offerings

Prerequisite: FCS 1840. Presents basic drafting and sewing techniques necessary for the construction of basic and torso muslin and slopers. Provides basic pattern engineering and construction skills to develop creative designed garments.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3842 Apparel Productn & Evaluation (5) Offerings

Prerequisites: FCS 1840 and 3840 or permission of instructor. Provides clothing construction techniques and pattern engineering skills employed in the production of ready-to-wear apparel that fulfills standards of the industry. Presents knowledge related to the industry standards and quality and cost analysis, which are essential for evaluating apparel products in the ready-to-wear industry.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3843 Introduction to CAD (3) Offerings

Prerequisite: FCS 2204. Applies two- and three-dimensional computer drawing in the design of interior space. Uses AutoCAD software on a Windows-based system.

Attributes: Upper-Division Restrictions: Undergraduate only. Freshman, Sophomore students are excluded.

FCS 3870 History of Costume (5) Offerings

Studies textile and costume designs of civilizations from the ancient to present day. Social, economic and political factors of various periods and their influence on evolution of costume and the importance of women's role in the history of Western dress are major emphases. Integrates costume with various arts: painting, sculpture, drama, and music. A women's studies minor course.

Attributes: Arts and Humanities A, Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3875 Appearance and Culture (3) Offerings

A study of the diverse meaning of appearance and dress as manifestations of individual and group behavior, social organizations, and cultural norms in various cultures.

Attributes: Upper-Division, Writing "W" Course Restrictions: Freshman, Sophomore students are excluded.

FCS 4240 Family Relations (3) Offerings

Studies the role of families in establishing a home environment that provides for the physical, emotional, intellectual, and social development of all family members including decision making elements, problem solving techniques, and shared responsibilities.

Attributes: Upper-Division

FCS 4250 Strategies in Early Childhood (3) Offerings

Provides opportunities to observe and participate with children in a nursery school or kindergarten and to observe the role of the teacher as a participant. Implementation and valuation of models, methods, and materials relevant to programs for children in pre-school, day-care centers, and kindergarten. Thirty hours of laboratory experience required.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 4310 Nutrition in Sports & Exercise (3) Offerings

Prerequisites: FCS 3340 or permission of instructor. Discusses basic nutritional principles: The role of the six major nutrient groups in physical performance; energy metabolism and exercise; and special concerns with dietary considerations about nutrition and performance. Current readings on controversial issues.

Attributes: Upper-Division

FCS 4330 Advanced Nutrition (5) Offerings

Prerequisites: CHM 1330, BIO 2130, and FCS 3340. Expanded discussion of nutrient interrelationships, intermediary metabolism, and nutrient requirements for health maintenance. Research of recent advances and controversial issues in human nutrition.

Attributes: Upper-Division, Writing "W" Course

FCS 4340 Medical Nutrition Therapy I (5) Offerings

Prerequisites: FCS 2365 and 3340. This course presents nutrition as a factor in the treatment and prevention of disease and maintenance of health. Strategies for assessing needs, developing treatment care plans, implementing and documenting of plans, evaluating and quality assurance will be studied for each medical condition.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 4341 Medical Nutrition Therapy II (5) Offerings

Prerequisite: FCS 4340. Continuing study of nutrition as a factor in the treatment and prevention of disease and maintenance of health. Strategies for assessing needs, developing treatment care plans, implementing and documenting of plans, evaluating, and quality assurance will be studied for each medical condition.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 4350 Community Nutrition & Education (5) Offerings

Prerequisites: FCS 3340 or permission of instructor. Explores the major community and public health nutrition problems in the United States and the roles and practice arenas of community nutritionists. Federal and nongovernmental programs designed to meet food and nutritional needs of vulnerable populations are examined. Students learn and practice principles of nutrition education in various settings. Preparation for post-graduate jobs, education and dietetic internships is included.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 4367 Experimental Foods (5) Offerings

Prerequisite: FCS 2365, CHM 1330 and Statistics. Provides an experimental approach in the study of the physical and chemical properties of food. Explores theory and application of basic food-science research design, implementation of experiments, interpretation of data and reporting of data in a research paper. Extra fee.

Attributes: Upper-Division, Writing "W" Course

FCS 4511 Curr & Eval in FCS Education (5) Offerings

Prerequisites: BIO 1100, FCS 2365, 3220, 3410, 3460, 3564, 4240 and Professional Quarter Two. Explores methods (scope and sequence) and strategies for teaching family and consumer science concepts. Emphasizes a critical understanding, development, and organization of the subject content that promotes student learning and meets national and state standards.

Attributes: Upper-Division, Writing "W" Course

FCS 4512 Aspects Career&Tech Ed FACSE (3) Offerings

Prerequisite: Methods Quarter. Identifies philosophy and mission of career and technical education and

explores methods of planning and implementing a program that meets the established standards and criteria for a state approved Family and Consumer Sciences Program.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4710 Adv Design II-Resdntl Interior (4) Offerings

Prerequisites: FCS 3712 and 3714, FCS 4730 is recommended. Focuses on honing advanced skills in architectural drafting, space planning, and presentation. Applies the design process to projects in residential design. Extra fee. May be repeated for credit 1 time.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4712 Adv Design II-Commercial Inter (5) Offerings

Prerequisite: FCS 3712, 3714, and 3843. FCS 4730 is recommended. Focuses on honing advanced skills in CAD drafting, space planning, and presentation. Applies the design process to projects in commercial design. Extra fee. May be repeated for credit 1 time.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4720 Portfolio & Professional Pract (2) Offerings

Prerequisites: FCS 4710 and 4712. Instruction in the development of a professional portfolio including resume and cover-letter writing and presentation of samples of creative work. Examination of professional practice in interior design. Participation in final portfolio review event.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4730 Interior Desgn Resrcs & Matrls (5) Offerings

Prerequisites: FCS 2204 and 2702. Studies the functional uses and inherent properties of materials used in interiors, as well as safety standards and local resources. Includes local field trips.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4743 CAD Applctn in Interior Dsgn I (3) Offerings

Prerequisite: FCS 3843. Application of advanced techniques (3-D) of computer-aided design and drafting using AutoCAD software. May be repeated for credit up to 8 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4820 Apparel Products and Market (1) Offerings

Prerequisite: FCS 2820 and 3820. Identifies current trends and issues in the market, and merchandise management, organization, and operation of clothing and textiles. Students are required to develop a merchandise track portfolio including cover letter, resume, and samples of work.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4840 Apparel Design through Draping (5) Offerings

Prerequisites: FCS 1840, 3840 and 3842 or permission of instructor. Focuses on acquiring the skills necessary to develop apparel designs by using techniques of draping material on the human form. Principles of design will be studied and applied in the production of attractive apparel designs that are in harmony with the current fashion scene.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4843 CAD Applctn in Apparel Design (5) Offerings

Prerequisites: FCS 3840 and 3842. Students in apparel design and merchandising will acquire the knowledge and rendering skills of Corel/Draw 10 necessary to effectively communicate visual concepts. This course will prepare students with the computer-aided skills for anyone who wishes to be competitive in entering a career in the fashion industry. For students who wish to learn advanced Corel/Draw 10 or develop a professional portfolio, this course can be repeated. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division* Restrictions: *Graduate, Undergraduate only. Freshman, Sophomore students are excluded.*

FCS 4844 Advanced Apparel Design (5) Offerings

Prerequisites: FCS 3840, 3842, and 4840, or permission of instructor. Explores creative designing process through integrating the theories and skills of sketching, pattern making, draping, and construction in the production of ready-to-wear clothing. Provides a chance to practice visual presentation skills. May be repeated for credit up to 10 credits.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 4899 Foundations & Contemptry Issues (3) Offerings

Prerequisites: FCS 1050 and FCS 3240. FCS senior capstone course. Examines history, philosophy, and cultural values as they relate to the mission and goals of the family and consumer science discipline and profession and to each FCS specialization. Investigates public-policy issues affecting families. Examines role of faith in vocation and ethical behavior in professional practice.

Attributes: Upper-Division Restrictions: Freshman, Junior, Sophomore students are excluded.

FCS 4900 Independent Study (1-5) Offerings

Prerequisites: Senior standing and a B average in family and consumer science studies. May be repeated for credit up to 15 credits.

Attributes: Upper-Division Restrictions: Freshman, Junior, Sophomore students are excluded.

FCS 4930 Practicum (1-5) Offerings

Provides an opportunity to gain practical experience related to previous coursework in the major field in supervised teaching, grading, laboratory preparation, and/or tutoring. Specific arrangements with the instructor required. No more than 6 credits may count for major. May be repeated for credit up to 6 credits.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 4931 Practicum in Design Production (1-5) Offerings

Practical application of coordination, production and promotion in the Designer's Showcase. May be repeated for credit up to 5 credits.

Attributes: Upper-Division

FCS 4940 Internship (1-10) Offerings

Prerequisites: "B" average; junior standing. Provides opportunities for observation, orientation, and participation in employment. Work experience planned in advance with the instructor. May be repeated for credit up to 10 credits.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HSC 3035 Human Sexuality (3) Offerings

Introduces basic aspects of human sexuality: biologically how the reproductive system works; psychologically how males and females view their sexuality; and sociologically how sexual values and behavior affect the society as a whole. Christian perspectives will be related to the development of sexual values.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

PSY 4420 Adolescent Developmental Psych (5) Offerings

Prerequisite: PSY 1180. Provides an overview of adolescent development focusing on the interaction of the physical, cognitive, emotional, moral, social, familial, educational and vocational dimensions within social and cultural contexts. Includes an introduction to the observation, measurement and evaluation of adolescents.

Attributes: Upper-Division

PSY 4460 Abnormal Psychology (5) Offerings

Prerequisites: PSY 1180. Provides critical analysis of the history, etiology and symptomatology of abnormal behavior with reference to modern methods of assessment and treatment. Emphasizes an interdisciplinary approach to understanding maladaptive behavior.

Attributes: Upper-Division

SOC 3751 Intro to Research Methods (5) Offerings

Prerequisite: SOC 2360 or MAT 1360, SOC 1110 is also a recommended. Explores the development of social research, the nature of scientific inquiry, basic methodological techniques, and examines representative sociological and political studies from the standpoint of methodology. Note: PSY 3588 may be substituted for SOC 3751 in sociology and related majors although SOC 3751 is the preferred course. Students may not receive credit for both SOC 3751 and PSY 3588.

Attributes: Upper-Division, Writing "W" Course **Restrictions:** Sociology Majors only. Freshman, Sophomore students are excluded.

FOOD AND NUTRITIONAL SCIENCES MAJOR - DIETETICS

100 Credits Total, Including 25 Upper Division

Suggested Course Sequence

Family and Consumer Sciences Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contemptry Issues	3
SECTION CREDITS REQUIRED	10
General Core	
Course	Credits
FCS 2365 Food Science	5
FCS 3340 Human Nutrition	5
FCS 3365 Practcal Applctn Food Nutr Pln	4
FCS 3385 Food & Culture	3
FCS 4330 Advanced Nutrition	5
FCS 4367 Experimental Foods	5
BIO 2129 Human Anatomy & Physiology(5)	10
BIO 2130 Human Anatomy & Physiology(5)	
BIO 3351 General Microbiology	5
HSC 4044 Biomed Tests, Measrmts & Stats(5)	5
MAT 1360 Introduction to Statistics(5)	
SECTION CREDITS REQUIRED	47
Choose One of the Following Groups Below:	
Course	Credits
CHM 1211 General Chemistry I(5)	10
CHM 1330 Organic & Biological Chemistry(5)	
OR	
CHM 3371 Organic Chemistry I(5)	20
CHM 3372 Organic Chemistry II(5)	
CHM 4361 Biochemistry(5)	
CHM 4362 Biochemistry(5)	
SECTION CREDITS REQUIRED	10

Dietetics Specialization	
Course	Credits
ACCT 2361 Financial Accounting	5
BUS 3614 Organizatnl Behavr for Managrs (5) BUS 3657 Human Resource Management (5)	5
FCS 2375 Food Production & Management	5
FCS 3350 Counseling Theory & Skills	3
FCS 4340 Medical Nutrition Therapy I (5) FCS 4341 Medical Nutrition Therapy II (5)	10
FCS 4350 Communty Nutrition & Education	5
SECTION CREDITS REQUIRED	33
TOTAL CREDITS REQUIRED	100

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

FOOD AND NUTRITIONAL SCIENCES MAJOR - FOOD AND NUTRITION

84 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

Family and Consumer Sciences Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contemprry Issues	3
SECTION CREDITS REQUIRED	10
General Core	
Course	Credits
FCS 2365 Food Science	5
FCS 3340 Human Nutrition	5
FCS 3365 Practcal Applctn Food Nutr Pln	4
FCS 3385 Food & Culture	3
FCS 4330 Advanced Nutrition	5
FCS 4367 Experimental Foods	5
BIO 2129 Human Anatomy & Physiology (5) BIO 2130 Human Anatomy & Physiology (5)	10
BIO 3351 General Microbiology	5
HSC 4044 Biomed Tests, Measrmts & Stats (5) MAT 1360 Introduction to Statistics (5)	5

SECTION CREDITS REQUIRED	47
Choose One of the Following Groups Below:	
Course	Credits
CHM 1211 General Chemistry I(5)	10
CHM 1330 Organic & Biological Chemistry(5)	
OR	
CHM 3371 Organic Chemistry I(5)	20
CHM 3372 Organic Chemistry II(5)	
CHM 4361 Biochemistry(5)	
CHM 4362 Biochemistry(5)	
SECTION CREDITS REQUIRED	10
Food and Nutrition Specialization	
Course	Credits
FCS 2375 Food Production & Management	5
FCS 3320 Maternal & Child Nutrition	3
FCS 3564 Prsntatn Skills for FCS Prfsnl	4
FCS 4350 Communty Nutrition & Education	5
SECTION CREDITS REQUIRED	17
TOTAL CREDITS REQUIRED	84

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

FOOD AND NUTRITIONAL SCIENCES MAJOR - SPORTS AND EXERCISE

98 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

Family and Consumer Sciences Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contempry Issues	3
SECTION CREDITS REQUIRED	10
General Core	
Course	Credits
FCS 2365 Food Science	5
FCS 3340 Human Nutrition	5
FCS 3365 Practcal Applctn Food Nutr Pln	4
FCS 3385 Food & Culture	3
FCS 4330 Advanced Nutrition	5

FCS 4367 Experimental Foods	5
BIO 2129 Human Anatomy & Physiology(5) BIO 2130 Human Anatomy & Physiology(5)	10
BIO 3351 General Microbiology	5
HSC 4044 Biomed Tests, Measrmts & Stats(5) MAT 1360 Introduction to Statistics(5)	5
SECTION CREDITS REQUIRED	47
Choose One of the Following Groups Below:	
Course	Credits
CHM 1211 General Chemistry I(5) CHM 1330 Organic & Biological Chemistry(5)	10
OR	
CHM 3371 Organic Chemistry I(5) CHM 3372 Organic Chemistry II(5) CHM 4361 Biochemistry(5) CHM 4362 Biochemistry(5)	20
SECTION CREDITS REQUIRED	10
Sports and Exercise Specialization	
Course	Credits
FCS 3320 Maternal & Child Nutrition	3
FCS 4310 Nutrition in Sports & Exercise	3
FCS 4340 Medical Nutrition Therapy I(5) FCS 4341 Medical Nutrition Therapy II(5)	10
FCS 4350 Communty Nutrition & Education	5
PE 3580 Exercise Physiology	5
PE 4585 Exercise Science Lab/Seminar	5
SECTION CREDITS REQUIRED	31
TOTAL CREDITS REQUIRED	98

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

FOOD AND NUTRITIONAL SCIENCES MINOR

30 Credits Total, Including 15 Upper Division

Food and Nutritional Sciences Core Requirements	
Course	Credits
FCS 2365 Food Science	5
FCS 3340 Human Nutrition	5
FCS 3385 Food & Culture	3
FCS 4340 Medical Nutrition Therapy I	5
SECTION CREDITS REQUIRED	18

Electives: Select at least 12 credits from the following	
Course	Credits
FCS 2375 Food Production & Management	5
FCS 3365 Practical Applctn Food Nutr Pln	4
FCS 4310 Nutrition in Sports & Exercise	3
FCS 3320 Maternal & Child Nutrition	3
FCS 4350 Communty Nutrition & Education	5
FCS 4330 Advanced Nutrition	5
FCS 4367 Experimental Foods	5
SECTION CREDITS REQUIRED	12
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

FOOD & NUTRITIONAL SCIENCES COURSE DESCRIPTIONS

ACCT 2361 Financial Accounting (5) [Offerings](#)

Makes clear the ways in which accounting is an information development and communication function that supports economic decision making, and prepares students for subsequent learning. Not recommended for first-quarter freshmen.

BIO 2129 Human Anatomy & Physiology (5) [Offerings](#)

Studies the structure and function of the human organism. Includes cells and tissues, skeletal, integumentary, muscular, and nervous systems. Includes laboratory.

[Attributes:](#) *Natural Science A*

BIO 2130 Human Anatomy & Physiology (5) [Offerings](#)

Studies the structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal, and reproductive systems. Includes laboratory.

[Attributes:](#) *Natural Science A*

BIO 3351 General Microbiology (5) [Offerings](#)

Prerequisite: BIO 2101, or BIO 2129 and 2130. Gives an overview of the field of microbiology with an emphasis on the bacterial, viral and fungal organisms that cause disease in humans and animals. Required laboratory focuses on the appropriate handling, growth, and processing of microorganisms for clinical applications. Extra fee.

[Attributes:](#) *Upper-Division*

BUS 3614 Organizational Behavr for Managrs (5) [Offerings](#)

An introduction to theory, research, and practice related to the management of human behavior in an organizational context. Course topics include individual characteristics, motivation, learning, communication, leadership, decision making, group dynamics, conflict, power, and politics. The course involves significant group activities and requires multiple oral presentations.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Food & Nutritional Sciences, Information Systems Majors only. Freshman students are excluded.

BUS 3657 Human Resource Management (5) Offerings

An introduction to the management of human resources in organizations. Theory, research, and practice in the areas of human resources planning, job analysis and design, recruiting and staffing, training and development, performance appraisal, compensation, organization development, government regulation of HRM, and quality of work life will be studied.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

CHM 1211 General Chemistry I (5) Offerings

Prerequisites: Requires two years high school mathematics (including algebra), a passing score on the SPU Mathematics Proficiency exam (or completion of the required MAT 0120 credits), one year of high school chemistry, or CHM 1100 and passing the Chemistry Placement test. Introduces properties of matter, stoichiometry, chemical reactions, thermochemistry, states of matter, chemical bonding, and atomic and molecular structure. Includes laboratory. Extra fee.

Attributes: Natural Science B

CHM 1330 Organic & Biological Chemistry (5) Offerings

Prerequisite: CHM 1211. Studies simpler laws of organic chemistry, nomenclature, and classification. Simple chemistry of carbohydrates, lipids and proteins, integration of metabolisms, and chemistry of heredity. Includes laboratory. Extra fee.

Attributes: Natural Science B

CHM 3371 Organic Chemistry I (5) Offerings

Prerequisite: CHM 1212 or permission of instructor. This is the introductory course in organic chemistry. It reviews topics such as stoichiometry, acids and bases, structure and bonding theory, nomenclature, synthesis, thermodynamics, functional groups, and reaction mechanisms as applied to organic chemistry. Laboratory work will emphasize basic methods of separation and purification representative substances. Extra fee.

Attributes: Upper-Division

CHM 3372 Organic Chemistry II (5) Offerings

Prerequisite: CHM 3371. A continuation of CHM 3371. Continues studies of principles of nomenclature, synthesis, thermodynamics, structure, and reaction mechanisms to a broadening collection of organic functional groups. Introduces spectroscopic methods. Laboratory work will emphasize basic methods of synthesis of representative compounds, and obtaining their spectra and other properties. Extra fee.

Attributes: Upper-Division

CHM 4361 Biochemistry (5) Offerings

Prerequisite: CHM 3373. Studies chemical properties of biological compounds (carbohydrates, lipids, amino acids and proteins, and nucleic acids); metabolism (biochemical energetics, enzymes, electron transport, and oxidative phosphorylation), and integration of metabolism (biochemical genetics and metabolic regulation). Includes laboratory. Extra fee.

Attributes: Upper-Division

CHM 4362 Biochemistry (5) Offerings

Prerequisite: CHM 4361. Continuation of CHM 4361. Studies chemical properties of biological compounds (carbohydrates, lipids, amino acids and proteins, and nucleic acids); metabolism (biochemical energetics, enzymes, electron transport, and oxidative phosphorylation), and integration of metabolism (biochemical genetics and metabolic regulation). Includes laboratory. Extra fee.

Attributes: Upper-Division

FCS 1050 Introduction to FCS (2) Offerings

Introduces the history, literature, and contributions of the family and consumer science profession to help students discover special interests, career potential, and set academic goals. The integration of faith, vocation, and calling is explored through class discussions and reflective exercises. Guest speakers highlight each FCS major.

FCS 2365 Food Science (5) Offerings

This course examines foods widely consumed in the United States drawing knowledge from the disciplines of chemistry, microbiology, biology, nutrition and sensory evaluation. Food composition, preparation, safety, quality, and processing are emphasized. Includes laboratory. Extra fee.

FCS 2375 Food Production & Management (5) Offerings

Prerequisite: FCS 2365. Surveys the organization, management, and cost control of food service operations. Includes laboratory experience in quantity food-service facilities in Seattle. Extra fee.

FCS 3240 Individual & Family Development (5) Offerings

Prerequisite: FCS 1050. Introduction to the application of concepts and theories in human development within the context of the family. Explores the reciprocal relationships between families and their environment and issues of individuals and families as consumers that affect the quality of life.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

FCS 3320 Maternal & Child Nutrition (3) Offerings

Prerequisites: FCS 2385, 3340 or BIO 1100 (Human Nutrition). Studies the influence of nutrition on the course and outcome of pregnancy; nutritional needs during lactation, fundamentals of infant nutrition and influence of nutrition on growth, development, and behavior during infancy, childhood and adolescence. Women's study minor course.

Attributes: *Upper-Division*

FCS 3340 Human Nutrition (5) Offerings

Prerequisites: CHM 1211, 1330, BIO 2129, and 2130 (Note: either BIO 2130 or CHM 1330 may be taken concurrently). Presents essentials of adequate diets and food sources of the nutrients; nutritional needs throughout the lifespan; nutritional composition of foods in relation to normal diets and medical nutrition therapy.

Attributes: *Upper-Division*

FCS 3350 Counseling Theory & Skills (3) Offerings

Examines the knowledge and skills required for effective nutrition counseling. Includes topics such as counseling and health behavior theories, counseling strategies for individuals, families and groups, and professional ethics. Uses case studies, simulations and role playing to develop skills.

Attributes: *Upper-Division* **Restrictions:** *Food & Nutritional Sciences Majors only. Freshman, Sophomore students are excluded.*

FCS 3365 Practical Application Food Nutrition Plan (4) Offerings

Prerequisite: FCS 2365, a human nutrition course or permission of instructor. This course develops skills in the application of nutrition principles to menu and meal planning, food preparation, presentation and culinary techniques and management of resources. Skill in using nutrition analysis software is developed. Includes laboratory. Extra fee.

Attributes: *Upper-Division*

FCS 3385 Food & Culture (3) Offerings

Prerequisite: Junior standing or permission of instructor. Explores the ways in which diet and food practices can best be understood within the context of culture. Various cultural traditions, cuisines, foods, food ways

and nutritional practices are explored. Extra fee. May be repeated for credit up to 6 credits.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 3564 Prsntatn Skills for FCS Prfsnl (4) Offerings

Prerequisites: FCS 3240 and five completed courses in FCS area of specialization within the major, or permission of instructor. Provides opportunity for skill development in content selection and delivery techniques appropriate to audiences in the areas of professional practice for the family and consumer sciences profession. Students' presentations utilize the lecture/demonstration method.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 4310 Nutrition in Sports & Exercise (3) Offerings

Prerequisites: FCS 3340 or permission of instructor. Discusses basic nutritional principles: The role of the six major nutrient groups in physical performance; energy metabolism and exercise; and special concerns with dietary considerations about nutrition and performance. Current readings on controversial issues.

Attributes: *Upper-Division*

FCS 4330 Advanced Nutrition (5) Offerings

Prerequisites: CHM 1330, BIO 2130, and FCS 3340. Expanded discussion of nutrient interrelationships, intermediary metabolism, and nutrient requirements for health maintenance. Research of recent advances and controversial issues in human nutrition.

Attributes: *Upper-Division, Writing "W" Course*

FCS 4340 Medical Nutrition Therapy I (5) Offerings

Prerequisites: FCS 2365 and 3340. This course presents nutrition as a factor in the treatment and prevention of disease and maintenance of health. Strategies for assessing needs, developing treatment care plans, implementing and documenting of plans, evaluating and quality assurance will be studied for each medical condition.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 4341 Medical Nutrition Therapy II (5) Offerings

Prerequisite: FCS 4340. Continuing study of nutrition as a factor in the treatment and prevention of disease and maintenance of health. Strategies for assessing needs, developing treatment care plans, implementing and documenting of plans, evaluating, and quality assurance will be studied for each medical condition.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 4350 Community Nutrition & Education (5) Offerings

Prerequisites: FCS 3340 or permission of instructor. Explores the major community and public health nutrition problems in the United States and the roles and practice arenas of community nutritionists. Federal and nongovernmental programs designed to meet food and nutritional needs of vulnerable populations are examined. Students learn and practice principles of nutrition education in various settings. Preparation for post-graduate jobs, education and dietetic internships is included.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 4367 Experimental Foods (5) Offerings

Prerequisite: FCS 2365, CHM 1330 and Statistics. Provides an experimental approach in the study of the physical and chemical properties of food. Explores theory and application of basic food-science research design, implementation of experiments, interpretation of data and reporting of data in a research paper. Extra fee.

Attributes: *Upper-Division, Writing "W" Course*

FCS 4899 Foundations & Contemptry Issues (3) Offerings

Prerequisites: FCS 1050 and FCS 3240. FCS senior capstone course. Examines history, philosophy, and cultural values as they relate to the mission and goals of the family and consumer science discipline and profession and to each FCS specialization. Investigates public-policy issues affecting families. Examines

role of faith in vocation and ethical behavior in professional practice.

Attributes: Upper-Division Restrictions: Freshman, Junior, Sophomore students are excluded.

HSC 4044 Biomed Tests, Measrmts & Stats (5) Offerings

Promotes the conceptual understanding of the basic statistical procedures used in research. Helps participants achieve those computational skills needed to carry out statistical procedures in practical settings and the use of the computer in data analysis.

Attributes: Mathematics (MAT), Upper-Division Restrictions: Biology, Exercise Science, Food & Nutritional Sciences, Nursing-Int Majors only.

MAT 1360 Introduction to Statistics (5) Offerings

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. Explores descriptive statistics, elementary probability, binomial and normal distributions, sampling, estimating parameters, testing hypotheses, regression, and correlation.

Attributes: Mathematics (MAT)

PE 3580 Exercise Physiology (5) Offerings

Prerequisite: PE 1301 or permission of instructor. Gives description and explanation of physiological responses and adaptations to exercise, emphasizing improvement of athletic performance and understanding the mechanisms whereby exercise may enhance health. Course includes laboratory.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

PE 4585 Exercise Science Lab/Seminar (5) Offerings

Prerequisites: PE 3570, 3580. Provides laboratory, research and presentation opportunities which apply, reinforce and expand basic knowledge gained in prerequisite courses.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

CLOTHING AND TEXTILES MAJOR - APPAREL DESIGN EMPHASIS

66 Credits Total, Including 25 Upper Division

Suggested Course Sequence

Family and Consumer Sciences Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contemptry Issues	3
SECTION CREDITS REQUIRED	10
General Core: Clothing and Textiles	
Course	Credits
FCS 2820 Intro to the Fashion Industry	5
FCS 3830 Textiles	5
FCS 3840 Flat Pattern Design	5
FCS 3842 Apparel Productn & Evaluation	5
FCS 3870 History of Costume	5
FCS 3875 Appearance and Culture	3
FCS 4840 Apparel Design through Draping	5

FCS 1840 Basic Clothing Construction	3
SECTION CREDITS REQUIRED	36
Apparel Design Emphasis	
Course	Credits
ART 1102 Drawng Studio:Observtn&Realism(5)	5
ART 1103 Drawing Studio:Concept&Compstn(5)	
ART 3112 Drawng Studio:Intensive Figure	3
FCS 2110 Fashion Illustration	3
FCS 4843 CAD Applctn in Apparel Design	5
FCS 3564 Prsntatn Skills for FCS Prfsnl(4)	4
FCS 4844 Advanced Apparel Design(5)	
FCS 4940 Internship(5)	
SECTION CREDITS REQUIRED	20
TOTAL CREDITS REQUIRED	66

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CLOTHING AND TEXTILES MAJOR - FASHION MERCHANDISING EMPHASIS

67 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

Family and Consumer Sciences Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contemptry Issues	3
SECTION CREDITS REQUIRED	10
General Core: Clothing and Textiles	
Course	Credits
FCS 2820 Intro to the Fashion Industry	5
FCS 3830 Textiles	5
FCS 3840 Flat Pattern Design	5
FCS 3842 Apparel Productn & Evaluation	5
FCS 3870 History of Costume	5
FCS 3875 Appearance and Culture	3
FCS 4840 Apparel Design through Draping	5
FCS 1840 Basic Clothing Construction	3

SECTION CREDITS REQUIRED	36
Fashion Merchandising Emphasis:	
Course	Credits
FCS 3820 Apparel Retail Merchandising	5
FCS 4820 Apparel Products and Market	1
ACCT 2361 Financial Accounting	5
BUS 3828 International Business	5
BUS 3541 Marketing & Society (5) BUS 3544 Advertising (5) BUS 3545 Sales & Sales Management (5) BUS 3631 Entrepreneurship (5) BUS 3657 Human Resource Management (5)	5
SECTION CREDITS REQUIRED	21
TOTAL CREDITS REQUIRED	67

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CLOTHING & TEXTILES MINOR

30 Credits Total, Including 15 Upper Division

Clothing & Textiles Minor Core Requirements	
Course	Credits
FCS 1840 Basic Clothing Construction	3
FCS 2820 Intro to the Fashion Industry	5
FCS 3830 Textiles	5
FCS 3840 Flat Pattern Design	5
FCS 3870 History of Costume	5
FCS 3875 Appearance and Culture	3
SECTION CREDITS REQUIRED	25
Choose from the following courses	
Course	Credits
FCS 2110 Fashion Illustration (3) FCS 3820 Apparel Retail Merchandising (5) FCS 3842 Apparel Productn & Evaluation (5) FCS 4820 Apparel Products and Market (1)	5
SECTION CREDITS REQUIRED	5
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

TEXTILES & CLOTHING COURSE DESCRIPTIONS**ACCT 2361 Financial Accounting (5) Offerings**

Makes clear the ways in which accounting is an information development and communication function that supports economic decision making, and prepares students for subsequent learning. Not recommended for first-quarter freshmen.

ART 1102 Drawing Studio:Observtn&Realism (5) Offerings

Emphasizes sighting techniques for observational drawing of still life, interiors/exterior, and the human figure. Covers techniques in class such as contour line, schematic systems and sighting techniques for accuracy in scale and proportion, perspective by eye, value and light logic, schematic approaches for drawing the human form. Extra fee.

Attributes: Arts and Humanities A Restrictions: Junior, Senior students are excluded.

ART 1103 Drawing Studio:Concept&Compstn (5) Offerings

Encourages students to explore areas of expressive drawing and composition. Emphasizes development of personal, introspective image making. Focuses on storytelling and creative thinking processes - the "secret/unseen" realities of the subjects. Emphasizes inner/outer worlds and realities, assumptions versus fact and narrative illustration as well as exploration of various media in experimental applications. Also emphasizes the development of highly personal, introspective image making.

Attributes: Arts and Humanities A Restrictions: Junior, Senior students are excluded.

ART 3112 Drawing Studio:Intensive Figure (3) Offerings

Prerequisites: ART 1102 or 1103 or 1104, and ART 2112. Studies core body balance, contour line, shading and proportion. Emphasizes comfortable, focused, and fully alert drawing to achieve accurate and beautiful figure drawing. Challenges students to let go of assumptions of how the body looks in order to learn not only how to look, but to see. This type of exercise is beneficial to almost any level of artist. Extra fee.

Attributes: Upper-Division Restrictions: Art, Interior Design, Textiles & Clothing Majors only. Freshman students are excluded.

BUS 3541 Marketing & Society (5) Offerings

Studies the principles of marketing. Employs a systems approach to examine the impact of marketing on the quality of life. Considers both macro and micro dimensions of marketing.

Attributes: Upper-Division, Writing "W" Course Restrictions: Freshman students are excluded.

BUS 3544 Advertising (5) Offerings

Prerequisite: BUS 3541. Describes the theory and practice of advertising and its role in the firm and in the socio-economic system. Discusses techniques and the management of advertising and applies them to the practice of marketing.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

BUS 3545 Sales & Sales Management (5) Offerings

Prerequisites: BUS 3541, 3614. Sales planning and organization. Management of the sales force for productivity. Personal selling techniques.

Attributes: Upper-Division Restrictions: Accounting, Business Administration, Economics Majors only. Freshman students are excluded.

BUS 3631 Entrepreneurship (5) Offerings

Prerequisite: ACCT 2361. Studies the major elements of innovation and new enterprise formation and growth. Examines in-depth through lectures, guest speakers, videos, and class exercises the characteristics of the entrepreneurial personality and the nature of the entrepreneurial task. Special emphasis is placed upon leadership, venture planning, time management, and the transfer of technology from concept to commercialization.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Economics Majors only. Freshman students are excluded.

BUS 3657 Human Resource Management (5) Offerings

An introduction to the management of human resources in organizations. Theory, research, and practice in the areas of human resources planning, job analysis and design, recruiting and staffing, training and development, performance appraisal, compensation, organization development, government regulation of HRM, and quality of work life will be studied.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

BUS 3828 International Business (5) Offerings

Covers the major forms of international business including problems of licensing, production, marketing, import, and export; emphasizes relationships between theory and practice regarding management, government policy, and international problems.

Attributes: Upper-Division **Restrictions:** Freshman students are excluded.

FCS 1050 Introduction to FCS (2) Offerings

Introduces the history, literature, and contributions of the family and consumer science profession to help students discover special interests, career potential, and set academic goals. The integration of faith, vocation, and calling is explored through class discussions and reflective exercises. Guest speakers highlight each FCS major.

FCS 1840 Basic Clothing Construction (3) Offerings

Presents basic techniques necessary for the construction of simple garments. This is a skills-oriented class designed to develop strong competencies required by the beginning sewer who wishes to become proficient in constructing professional-looking apparel.

FCS 2110 Fashion Illustration (3) Offerings

Explores the professional uses of fashion illustration, career opportunities, training, and skills required for the professional. Teaches design details and rendering of an elementary fashion figure through lectures and demonstration. May be repeated for credit up to 6 credits.

FCS 2820 Intro to the Fashion Industry (5) Offerings

Presents an overview of the background, structure, and operation of the ever-changing world of the fashion industry. Provides basic knowledge and skills for effective development in understanding the fashion industry and fashion. Allows a chance to explore one's personal attributes and different career opportunities in the fashion industry.

Restrictions: Freshman students are excluded.

FCS 3240 Individual & Family Development (5) Offerings

Prerequisite: FCS 1050. Introduction to the application of concepts and theories in human development within the context of the family. Explores the reciprocal relationships between families and their environment and issues of individuals and families as consumers that affect the quality of life.

Attributes: Upper-Division **Restrictions:** Freshman students are excluded.

FCS 3564 Prsntatn Skills for FCS Prfsnl (4) Offerings

Prerequisites: FCS 3240 and five completed courses in FCS area of specialization within the major, or permission of instructor. Provides opportunity for skill development in content selection and delivery techniques appropriate to audiences in the areas of professional practice for the family and consumer sciences profession. Students' presentations utilize the lecture/demonstration method.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3820 Apparel Retail Merchandising (5) Offerings

Prerequisite: FCS 2820. Studies the fundamentals of successful retail strategic management and merchandising. Introduces the role of retail buyer's in merchandise management and organization, and operation of retail firms offering apparel products. Emphasizes external market analysis, and internal planning and management procedures to satisfy consumer needs within profitable retail organization.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3830 Textiles (5) Offerings

Study of textiles from raw materials through finishing and dyeing of fabrics as related to durability, comfort, and aesthetics. Survey includes the structure of the textile industry, textile laws and regulations, and textile testing. Provides hands-on experiences in areas such as fiber identification, properties, and structures.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

FCS 3840 Flat Pattern Design (5) Offerings

Prerequisite: FCS 1840. Presents basic drafting and sewing techniques necessary for the construction of basic and torso muslin and slopers. Provides basic pattern engineering and construction skills to develop creative designed garments.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3842 Apparel Productn & Evaluation (5) Offerings

Prerequisites: FCS 1840 and 3840 or permission of instructor. Provides clothing construction techniques and pattern engineering skills employed in the production of ready-to-wear apparel that fulfills standards of the industry. Presents knowledge related to the industry standards and quality and cost analysis, which are essential for evaluating apparel products in the ready-to-wear industry.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3870 History of Costume (5) Offerings

Studies textile and costume designs of civilizations from the ancient to present day. Social, economic and political factors of various periods and their influence on evolution of costume and the importance of women's role in the history of Western dress are major emphases. Integrates costume with various arts: painting, sculpture, drama, and music. A women's studies minor course.

Attributes: Arts and Humanities A, Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 3875 Appearance and Culture (3) Offerings

A study of the diverse meaning of appearance and dress as manifestations of individual and group behavior, social organizations, and cultural norms in various cultures.

Attributes: Upper-Division, Writing "W" Course Restrictions: Freshman, Sophomore students are excluded.

FCS 4820 Apparel Products and Market (1) Offerings

Prerequisite: FCS 2820 and 3820. Identifies current trends and issues in the market, and merchandise management, organization, and operation of clothing and textiles. Students are required to develop a merchandise track portfolio including cover letter, resume, and samples of work.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

FCS 4840 Apparel Design through Draping (5) Offerings

Prerequisites: FCS 1840, 3840 and 3842 or permission of instructor. Focuses on acquiring the skills

necessary to develop apparel designs by using techniques of draping material on the human form. Principles of design will be studied and applied in the production of attractive apparel designs that are in harmony with the current fashion scene.

Attributes: Upper-Division **Restrictions:** Freshman, Sophomore students are excluded.

FCS 4843 CAD Applctn in Apparel Design (5) Offerings

Prerequisites: FCS 3840 and 3842. Students in apparel design and merchandising will acquire the knowledge and rendering skills of Corel/Draw 10 necessary to effectively communicate visual concepts. This course will prepare students with the computer-aided skills for anyone who wishes to be competitive in entering a career in the fashion industry. For students who wish to learn advanced Corel/Draw 10 or develop a professional portfolio, this course can be repeated. May be repeated for credit up to 10 credits.

Attributes: Upper-Division **Restrictions:** Graduate, Undergraduate only. Freshman, Sophomore students are excluded.

FCS 4844 Advanced Apparel Design (5) Offerings

Prerequisites: FCS 3840, 3842, and 4840, or permission of instructor. Explores creative designing process through integrating the theories and skills of sketching, pattern making, draping, and construction in the production of ready-to-wear clothing. Provides a chance to practice visual presentation skills. May be repeated for credit up to 10 credits.

Attributes: Upper-Division **Restrictions:** Freshman, Sophomore students are excluded.

FCS 4899 Foundations & Contemptry Issues (3) Offerings

Prerequisites: FCS 1050 and FCS 3240. FCS senior capstone course. Examines history, philosophy, and cultural values as they relate to the mission and goals of the family and consumer science discipline and profession and to each FCS specialization. Investigates public-policy issues affecting families. Examines role of faith in vocation and ethical behavior in professional practice.

Attributes: Upper-Division **Restrictions:** Freshman, Junior, Sophomore students are excluded.

FCS 4940 Internship (5) Offerings

Prerequisites: "B" average; junior standing. Provides opportunities for observation, orientation, and participation in employment. Work experience planned in advance with the instructor. May be repeated for credit up to 10 credits.

Attributes: Upper-Division **Restrictions:** Freshman, Sophomore students are excluded.

INTERIOR DESIGN MAJOR

94 Credits Total, Including 25 Upper Division

Suggested Course Sequence

Family and Consumer Sciences Core	
Course	Credits
FCS 1050 Introduction to FCS	2
FCS 3240 Individual & Family Developmnt	5
FCS 4899 Foundations & Contemptry Issues	3
SECTION CREDITS REQUIRED	10
Interior Design Requirements	
Course	Credits
FCS 2204 Interior Design Studio	3
FCS 2702 Introductn to Interior Design	3

FCS 3710	Family Housing	5
FCS 3712	Lighting Design	4
FCS 3714	Advanced Design-Interiors	3
FCS 3720	Universal Design in Housing	3
FCS 3830	Textiles	5
FCS 3843	Introduction to CAD	3
FCS 4710	Adv Design II-Resdntl Interior	4
FCS 4712	Adv Design II-Commercial Inter	5
FCS 4720	Portfolio & Professional Pract	2
FCS 4730	Interior Desgn Resrcs & MatrIs	5
FCS 4743	CAD Applctn in Interior Dsgn I	3
FCS 4940	Internship	3
ACCT 2361	Financial Accounting	5
ART 1102	Drawng Studio:Observtn&Realism	5
ART 1205	Design Studio Color	5
ART 2603	West Trad II:Art since Renssnc	5
ART 2602	West Trad I:Ancient&Medvl Art(5)	5
FCS 1710	Design Fundamentals(5)	5
BUS 3541	Marketing & Society(5)	5
BUS 3544	Advertising(5)	
BUS 3545	Sales & Sales Management(5)	
BUS 3631	Entrepreneurship(5)	
BUS 3657	Human Resource Management(5)	
ART 1104	Drawing Studio:Perspective(5)	3
COM 1321	Public Speaking(5)	
ENG 3205	Writing in the Professions(3)	
SECTION CREDITS REQUIRED		84
TOTAL CREDITS REQUIRED		94

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

INTERIOR DESIGN COURSE DESCRIPTIONS

ACCT 2361 Financial Accounting (5) Offerings
 Makes clear the ways in which accounting is an information development and communication function that supports economic decision making, and prepares students for subsequent learning. Not recommended for first-quarter freshmen.

ART 1102 Drawng Studio:Observtn&Realism (5) Offerings
 Emphasizes sighting techniques for observational drawing of still life, interiors/exterior, and the human

figure. Covers techniques in class such as contour line, schematic systems and sighting techniques for accuracy in scale and proportion, perspective by eye, value and light logic, schematic approaches for drawing the human form. Extra fee.

Attributes: Arts and Humanities A **Restrictions:** Junior, Senior students are excluded.

ART 1104 Drawing Studio:Perspective (5) Offerings

Provides an introduction and in depth exploration of technical drawing systems that enable designers and illustrators to simulate 3D space. Covers techniques such as: orthographic projection, paralline drawing, and linear perspective systems. Extra fee.

Attributes: Arts and Humanities A **Restrictions:** Art, Interior Design, Textiles & Clothing Majors only. Junior, Senior students are excluded.

ART 1205 Design Studio Color (5) Offerings

Presents an overview of the study of color and color relationships. Emphasis will be placed on the seven color contrasts as defined by Itten in the Elements of Color. Students will work with both paint and computer systems.

Restrictions: Art Majors only. Freshman, Sophomore students only.

ART 2602 West Trad I: Ancient&Medvl Art (5) Offerings

Survey course treating Western Art (and its major Eastern influences) from Ancient Egypt through the late Middle Ages.

Attributes: Arts and Humanities A

ART 2603 West Trad II: Art since Renssnc (5) Offerings

Survey course treating Western art from the Renaissance until the middle twentieth century.

Attributes: Arts and Humanities A

BUS 3541 Marketing & Society (5) Offerings

Studies the principles of marketing. Employs a systems approach to examine the impact of marketing on the quality of life. Considers both macro and micro dimensions of marketing.

Attributes: Upper-Division, Writing "W" Course **Restrictions:** Freshman students are excluded.

BUS 3544 Advertising (5) Offerings

Prerequisite: BUS 3541. Describes the theory and practice of advertising and its role in the firm and in the socio-economic system. Discusses techniques and the management of advertising and applies them to the practice of marketing.

Attributes: Upper-Division **Restrictions:** Freshman students are excluded.

BUS 3545 Sales & Sales Management (5) Offerings

Prerequisites: BUS 3541, 3614. Sales planning and organization. Management of the sales force for productivity. Personal selling techniques.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Economics Majors only. Freshman students are excluded.

BUS 3631 Entrepreneurship (5) Offerings

Prerequisite: ACCT 2361. Studies the major elements of innovation and new enterprise formation and growth. Examines in-depth through lectures, guest speakers, videos, and class exercises the characteristics of the entrepreneurial personality and the nature of the entrepreneurial task. Special emphasis is placed upon leadership, venture planning, time management, and the transfer of technology from concept to commercialization.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Economics Majors only. Freshman students are excluded.

BUS 3657 Human Resource Management (5) Offerings

An introduction to the management of human resources in organizations. Theory, research, and practice in

the areas of human resources planning, job analysis and design, recruiting and staffing, training and development, performance appraisal, compensation, organization development, government regulation of HRM, and quality of work life will be studied.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.*

COM 1321 Public Speaking (5) Offerings

Analyzes platform speaking; includes analysis, preparation and presentation of formal speeches. Includes rhetorical criticism of significant models. Recommended for students planning to major in communication; open to other students as well.

Attributes: *Arts and Humanities B*

ENG 3205 Writing in the Professions (3) Offerings

Prerequisite: ENG 2201 or score of five to six on English Placement test. Develops abilities associated with writing tasks in the professions, including reports, correspondence, proposals, and procedure manuals. Emphasizes role of persuasion in routine and special writing tasks. Also addresses visual design in the preparation of documents and the impact of digital technologies on writing in the professional workplace.

Attributes: *Upper-Division, Writing "W" Course, Writing Skills Competency*

FCS 1050 Introduction to FCS (2) Offerings

Introduces the history, literature, and contributions of the family and consumer science profession to help students discover special interests, career potential, and set academic goals. The integration of faith, vocation, and calling is explored through class discussions and reflective exercises. Guest speakers highlight each FCS major.

FCS 1710 Design Fundamentals (5) Offerings

Surveys how design is used to enhance human life through applications of creativity, material integrity, and design elements and principles. The course also focuses on the history of interior design and architecture, providing an overview of styles ranging from ancient through current genres. Relevant environmental issues are also addressed. Includes local field trips and events. Part of the course will be Web-based.

Attributes: *Arts and Humanities A*

FCS 2204 Interior Design Studio (3) Offerings

Provides a practical introduction to architectural drafting, hand lettering, space planning, and presentation. Applies the elements and principles of design to residential interior design problems. Extra fee.

Restrictions: *Freshman students are excluded.*

FCS 2702 Introductn to Interior Design (3) Offerings

Examines elements and principles of design applied to residential and commercial interiors, and provides an overview of the interior-design field.

FCS 3240 Individual & Family Developmnt (5) Offerings

Prerequisite: FCS 1050. Introduction to the application of concepts and theories in human development within the context of the family. Explores the reciprocal relationships between families and their environment and issues of individuals and families as consumers that affect the quality of life.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

FCS 3710 Family Housing (5) Offerings

This survey course studies housing as a complex process and product that meets individual, family, and community needs. Housing is demanded by consumers and supplied by the private, nonprofit, and government sectors of the economy. The provision of housing is further impacted by government policies at the local, state, and federal level. Topics addressed include defining housing, housing constraints,

construction, styles, housing tenure, financing home ownership, the housing market, housing for special populations, and social issues related to housing.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 3712 Lighting Design (4) Offerings

Prerequisites: FCS 2204 and 2702. Explores the use of lighting as a design element in the interior environment. Electricity, electrical distribution systems, light sources, lighting calculation, lighting fixtures, and lighting installations are topics of lecture and discussion.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 3714 Advanced Design-Interiors (3) Offerings

Prerequisite: FCS 2204. Applies the design process to practical problems in interior-design drafting. Incorporates elements of space planning, universal design, and organization of commercial space. Extra fee.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

FCS 3720 Universal Design in Housing (3) Offerings

Introduces the students to the fundamentals of universal design and home modifications. Students learn about human factors, activities of daily living, and priorities to make the best functional and aesthetic use of space. This course is designed to stimulate students' critical thinking and creative problem solving often in very restricted space.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 3830 Textiles (5) Offerings

Study of textiles from raw materials through finishing and dyeing of fabrics as related to durability, comfort, and aesthetics. Survey includes the structure of the textile industry, textile laws and regulations, and textile testing. Provides hands-on experiences in areas such as fiber identification, properties, and structures.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

FCS 3843 Introduction to CAD (3) Offerings

Prerequisite: FCS 2204. Applies two- and three-dimensional computer drawing in the design of interior space. Uses AutoCAD software on a Windows-based system.

Attributes: *Upper-Division* **Restrictions:** *Undergraduate only. Freshman, Sophomore students are excluded.*

FCS 4710 Adv Design II-Resdntl Interior (4) Offerings

Prerequisites: FCS 3712 and 3714, FCS 4730 is recommended. Focuses on honing advanced skills in architectural drafting, space planning, and presentation. Applies the design process to projects in residential design. Extra fee. May be repeated for credit 1 time.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 4712 Adv Design II-Commercial Inter (5) Offerings

Prerequisite: FCS 3712, 3714, and 3843. FCS 4730 is recommended. Focuses on honing advanced skills in CAD drafting, space planning, and presentation. Applies the design process to projects in commercial design. Extra fee. May be repeated for credit 1 time.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 4720 Portfolio & Professional Pract (2) Offerings

Prerequisites: FCS 4710 and 4712. Instruction in the development of a professional portfolio including resume and cover-letter writing and presentation of samples of creative work. Examination of professional practice in interior design. Participation in final portfolio review event.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

FCS 4730 Interior Desgn Resrcs & Matrls (5) Offerings

Prerequisites: FCS 2204 and 2702. Studies the functional uses and inherent properties of materials used in interiors, as well as safety standards and local resources. Includes local field trips.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4743 CAD Applctn in Interior Dsgn I (3) [Offerings](#)

Prerequisite: FCS 3843. Application of advanced techniques (3-D) of computer-aided design and drafting using AutoCAD software. May be repeated for credit up to 8 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 4899 Foundations & Contempry Issues (3) [Offerings](#)

Prerequisites: FCS 1050 and FCS 3240. FCS senior capstone course. Examines history, philosophy, and cultural values as they relate to the mission and goals of the family and consumer science discipline and profession and to each FCS specialization. Investigates public-policy issues affecting families. Examines role of faith in vocation and ethical behavior in professional practice.

Attributes: *Upper-Division* Restrictions: *Freshman, Junior, Sophomore students are excluded.*

FCS 4940 Internship (3) [Offerings](#)

Prerequisites: "B" average; junior standing. Provides opportunities for observation, orientation, and participation in employment. Work experience planned in advance with the instructor. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FAMILY AND CONSUMER SCIENCE DEPARTMENT FACULTY

Bovy, Barbara J. Professor of Family & Consumer Sciences; B.S., University of Idaho 1960; Master of Arts, University of Washington 1971; Doctor of Philosophy, University of Washington 1979. At SPU since 1978. ([Contact Info](#))

Geleva, Daniela. Assistant Professor of Nutrition; B.S., Texas Christian University 1997; Doctor of Philosophy, University of Minnesota Minneapolis* 2001. At SPU since 2005. ([Contact Info](#))

Hartje, Sandra C. Professor of Family & Consumer Sciences; B.S., University of Minnesota Duluth 1979; Master of Science, University of Minnesota Duluth 1984; Doctor of Philosophy, University of Minnesota Minneapolis* 1998. At SPU since 1989. ([Contact Info](#))

Kato, Sharleen Leslie. Department Chair of Family and Consumer Sciences / Professor of Family & Consumer Sciences; Director of Family & Consumer Sciences; B.A., Seattle Pacific University 1984; Master of Arts, Michigan State University 1986; Doctor of Education, Seattle University 1992. At SPU since 1986. ([Contact Info](#))

Lee, Jaeil. Assistant Professor of Family & Consumer Sciences; B.A., Chungnam National University 1992; Doctor of Philosophy, Ohio State University Columbus 2000. At SPU since 2001. ([Contact Info](#))

Miller, Beth Marie. Instructor of Family & Consumer Sciences; B.A., University of Oklahoma 1992; Master of Science, University of Centrl Oklahoma 2001. At SPU since 2002. ([Contact Info](#))

Miller, Keith E.. Instructor of Family & Consumer Sciences; B.A., University of Kentucky Lexington 1993. At SPU since 2006. ([Contact Info](#))

Moe, Gaile. Associate Professor of Family & Consumer Sciences; B.S., University of Washington 1978; Doctor of Philosophy, University of Washington 1996. At SPU since 1994. ([Contact Info](#))

HISTORY

Alexander Hall 410
206-281-2773

www.spu.edu/depts/history/

FACULTY: [Darrell E Allen](#), [Alberto Ferreiro](#), [Michael S Hamilton](#), [Donald C Holsinger](#), [Rodney Lee Stiling](#), [William Henry Woodward](#)

History, the study of the vast record of human experience, serves as the collective memory of humankind. As memory defines selfhood and guides behavior, so history teaches about social identity and responsibility. And just as one's memory changes and matures, so does the collective understanding of the past change as new evidence is discovered and new perspectives are developed. Like a detective hunt, the discipline of history teaches students to seek facts, weigh interpretations, and draw conclusions. It requires wide reading, deep thinking, and clear communication.

Historical study at SPU seeks a balanced understanding of world cultures. The major program explores the roots and development of Western civilization in the ancient and medieval periods, traces the interaction between the West and the rest of the world, then probes more deeply into American, European, and non-Western history. Along the way students are able to trace the impact of Christianity in both Western and non-Western settings. The program emphasizes humanity's common heritage and shared future, and challenges students to ask how a Christian worldview can help us understand the sweep of human events, the variety of human cultures, and the influence of heritage on identity.

A major in history, especially after advanced study, can lead to careers in teaching, writing, in museums and archival work, and in a wide variety of other professions ranging from journalism, law and government to the pastorate and missions. For students with uncertain career goals, history offers superb training in analytical thinking, effective communication, and placing events into broader context.

History students are encouraged to consider special programs, both on and off campus. Complementing history with a second major, such as political science or European studies, is encouraged. Internships and other off-campus study opportunities add practical skills and rich experiences of lifelong value. Consider spending a [Summer Session](#) in Spain, or a quarter or semester in Western Europe, Russia, Costa Rica, Egypt, China, or Kenya. Or study public policy for a term in the American Studies Program in Washington, D.C. For details, please consult the history faculty or [click here](#).

Requirements for the History Major

Should reflect a balance among European, U.S., and non-Western studies. May include, with advisor's approval, one course in a related field. Students are encouraged to propose some independent activity (HIS 4900 series). Students majoring in history should work closely with their advisor in selecting additional supporting courses tailored to their career goals. Students planning graduate study should acquire a reading mastery of a foreign language. To qualify for admission to the major, a student must have a 2.5 minimum GPA.

[Requirements for the History Major](#).

Prospective Teachers:

Students seeking teaching credentials should include HIS 3600 History of the Pacific Northwest in their program; they should also consult with the [School of Education](#) early in their academic program.

A major in social science is offered for students interested in teaching history and social studies at the elementary level. Please consult the [School of Education](#) section for a description of this major and speak with a School of Education advisor as well as the chair of the History Department.

Requirements for the History Minor

A minor in history is available for those wishing to enrich their college experience by examining the unfolding story of human cultures through time, and as a complement to related majors such as [European studies](#), [political science](#), [sociology](#), etc. To qualify for admission to the minor, a student must have a 2.5 minimum GPA.

[Requirements for the History Minor](#).

Prospective Teachers:

Students taking a minor in history who are planning to become teachers should take both HIS 2502 and HIS 2503, and they should also take HIS 3600 History of the Pacific Northwest.

HISTORY MAJOR

56 Credits Total, Including 28 Upper Division

Suggested Course Sequence

World Civilization	
Course	Credits
HIS 1200 Ancient & Medieval Worlds (5)	10
UCOR 2000 The West and the World (5)	
SECTION CREDITS REQUIRED	10
United States	
Course	Credits
HIS 2502 The United States to 1876 (5)	10
HIS 2503 The United States Since 1876 (5)	
SECTION CREDITS REQUIRED	10
Two Courses in History of Non-Western Region	
Course	Credits
HIS 3710 Comparative Non-Western Histy (5)	10
HIS 3720 Rise of Islamic Civilization (5)	
HIS 3730 Modern Middle East (5)	
HIS 3750 Latin America (5)	
HIS 3765 Traditional East Asia (5)	
HIS 3785 Modern East Asia (5)	
HIS 3790 History of Africa (5)	
SECTION CREDITS REQUIRED	10
One course in History of Christianity: Examples Below	
Course	Credits
HIS 3382 Crusades & Holy Wars:1095-1492	5
HIS 3401 Early & Medieval Christianity	5
HIS 3402 Reformatn & Modrn Christianity	5
HIS 3405 Topics:History of Christianity	3-5
HIS 3406 Christianity in America	5
HIS 3501 Col & Rev Am:Found of Am Civ	5
SECTION CREDITS REQUIRED	5
Historiography and Research	
Course	Credits
HIS 3850 History of Historical Writing	3
HIS 4899 History Capstone	3
SECTION CREDITS REQUIRED	6

Electives: 15-17 Credits	15
TOTAL CREDITS REQUIRED	56

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

GENERAL HISTORY MINOR

30 Credits Total, Including 15 Upper Division

History Minor Core Requirements	
Course	Credits
UCOR 2000 The West and the World	5
HIS 2502 The United States to 1876 (5) HIS 2503 The United States Since 1876 (5)	5
SECTION CREDITS REQUIRED	10
One Course in the History of non-Western Region	
Course	Credits
HIS 3710 Comparative Non-Western Histy (5) HIS 3720 Rise of Islamic Civilization (5) HIS 3730 Modern Middle East (5) HIS 3750 Latin America (5) HIS 3765 Traditional East Asia (5) HIS 3785 Modern East Asia (5) HIS 3790 History of Africa (5)	5
SECTION CREDITS REQUIRED	5
History Minor Electives	15
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

HISTORY COURSE DESCRIPTIONS

HIS 1200 Ancient & Medieval Worlds (5) Offerings
Surveys the period from the rise of Greece and Rome, with some reference to pre-classical cultures, to about 1500. Emphasizes the role of Greco-Roman and Judeo-Christian cultures in the shaping of institutional, artistic, and cultural values that distinguish our Western culture from others, as well as the unique features of classical-medieval culture and their relevance today.
Attributes: <i>Social Science B</i>

HIS 2491 Origins of Western Science (5) Offerings
Explores the unfolding of the Western scientific tradition and its cultural significance from ancient times to the era of the Scientific Revolution. Examines the development of physical science (especially astronomy and cosmology) within the context of traditions and sources from the ancient through early modern periods,

culminating in the life and work of Isaac Newton.

Attributes: *Social Science B*

HIS 2492 Foundations of Modern Science (5) [Offerings](#)

Analyzes the growth of science and technology in the West from the 17th through early 20th centuries. Studies the concepts, methodology, and cultural implications of developments in the physical and biological sciences from the Scientific Revolution to the age of Einstein.

Attributes: *Social Science B*

HIS 2502 The United States to 1876 (5) [Offerings](#)

Surveys the development of the American nation from the earliest colonial settlements through the Reconstruction period. Emphasizes institutions, issues, ideas, and individuals. Focuses on basic trends such as industrialization, patterns of thought and values, political development, social change, and sectional conflict. Readings also explore everyday social experience of minority and mainstream groups.

Attributes: *Social Science B*

HIS 2503 The United States Since 1876 (5) [Offerings](#)

Continues the emphasis of HIS 2502: Surveys the emergence of contemporary American life and culture from the 1870s to the present; focuses on American power at home and abroad, the rise of today's mass consumer society, and the emergence of new values. Readings also explore aspects of modern popular culture.

Attributes: *Social Science B*

HIS 3100 Ancient Civilization (5) [Offerings](#)

Surveys Mediterranean history from early Egypt and Mesopotamia to the rise of the Roman Empire with emphasis on the Bronze Age. Enables the student to understand the world of the Old Testament.

Attributes: *Arts and Humanities B, Upper-Division*

HIS 3170 Classical Civilization (5) [Offerings](#)

Explores history, literature, and society of classical Greece and Rome, stressing contributions to modern Western civilization.

Attributes: *Arts and Humanities B, Upper-Division*

HIS 3320 History of England (5) [Offerings](#)

A survey of Great Britain from the Anglo-Saxon period to the Elizabethan monarchy. The course emphasizes the emergence of cultural, social, and ecclesiastical institutions and movements.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3331 History of Spain & Portugal (5) [Offerings](#)

Traces the origins of the Iberian Peninsula from the Roman era to the discovery of the New World in 1492. Emphasizes cultural, social, and ecclesiastical institutions and movements.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3335 Iberian Civilization & Culture (5) [Offerings](#)

Focuses on the culture and history of the Iberian Peninsula in the Spanish Renaissance and Reformation through a month of summer study at the University of Salamanca, Spain. (For post-baccalaureate students, can be taken as HIS 5335.)

Attributes: *Social Science B, Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3345 Modern Russia (5) [Offerings](#)

Surveys Russian social, cultural and political history with primary attention to the tsarist, revolutionary, and Soviet eras, examining their legacies for current development and change.

Attributes: *Social Science B, Upper-Division, Writing "W" Course* Restrictions: *Freshman students are excluded.*

HIS 3356 The Holocaust (5) Offerings

This course examines the Holocaust in historical context. Why did it happen? Who was responsible? How did victims respond? How has the Holocaust been remembered and misremembered? Students will have the opportunity to explore such topics and reflect on what it means to be human in light of the Holocaust.

Attributes: *Upper-Division*

HIS 3382 Crusades & Holy Wars:1095-1492 (5) Offerings

Prerequisite: HIS 1200 or equivalent. Explores the Crusades and Holy Wars in Spain in social, political, and religious contexts. Topics include Just War theory, economic influences, missions to Muslims, Christian-Muslim theological debates, and the Reconquest in Spain. Muslim and Christian views of the Crusades and Holy Wars are presented.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3395 Eur Intellect Hist:Anselm-Marx (5) Offerings

Surveys major thinkers and intellectual movements from scholasticism to Marxism, with emphasis on the historical context. Includes directed readings in primary sources.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3401 Early & Medieval Christianity (5) Offerings

A survey of Christianity from its post-apostolic origins to the end of the Middle Ages. Evaluates the formation of orthodoxy, the challenge of heterodoxy, early monasticism, and missions to Western Europe; then explores the achievement of the Medieval church through a study of the papacy, scholasticism, the Crusades, and Eastern Orthodoxy.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3402 Reformatn & Modrn Christianity (5) Offerings

A survey of Christianity from the reformations of the 16th century to recent times. Focuses on Luther, Calvin, and the Anabaptists; Anglicans and Puritans; the Council of Trent; 17th-century orthodoxy, rationalism and pietism; the beginnings of Christianity in America; and the Great Awakening, and Wesleyan revival of the 18th century.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3405 Topics:History of Christianity (3-5) Offerings

Specific topics will vary. Past topics have included "Western Spirituality: Heresy, Mysticism and Monasticism" and "Religion and Politics in the Third Reich". May be repeated for credit up to 10 credits.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3406 Christianity in America (5) Offerings

A survey of the development of American Christianity from the 17th century to the present. Explores the many expressions of Christianity that have taken root in American soil, with an emphasis on the interplay between Christianity and American culture. Particular attention will be given to the contemporary religious landscape, that is, to the varieties of American church life today.

Attributes: *Upper-Division*

HIS 3435 Marxism:20thCent Theory & Prac (3) Offerings

Examines the development of varieties of Marxist theory and practice in the 20th century. Compares the Soviet, European, Chinese, and Latin American experiences with Marxist thought and practice. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3440 Internatnl Peace & World Order (5) Offerings

A study of conflict and conflict resolution in the international system, drawing upon resources from negotiation theory, peace studies, biblical models, international law, and international organization, with analysis of varying world-order models.

Attributes: *Social Science B, Upper-Division* Restrictions: *Freshman students are excluded.*

<p>HIS 3501 Col & Rev Am:Found of Am Civ (5) Offerings</p> <p>Explores America's pre-national experience in both local and international perspective, from the earliest explorations through the American Revolution. Considers how America's distinctive cultural patterns developed. Emphasizes the role of Christianity in shaping the emergence of an American identity and character. Satisfies major requirement for history of Christianity course.</p> <p><u>Attributes:</u> <i>Social Science B, Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3600 History of Pacific Northwest (5) Offerings</p> <p>Surveys development of the region encompassing Washington, Oregon, and Idaho from the discovery period to the present. Sets the regional story in the context of the general history of the American West. Field experiences required. (For post-baccalaureate students, a tutorial version of this course, HIS 5600, is offered year round.)</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3640 Growth of Amer Economic System (3) Offerings</p> <p>Prerequisites: ECN 1100, or ECN 2101 and ECN 2102. Studies the development of the American economy, with particular attention to the rise of the modern business system and its impact on American society; gives corollary consideration to labor, agriculture, technology, and the monetary system. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3670 Hist of Amer Foreign Relations (5) Offerings</p> <p>Studies the United States as a participant in the international system, from colonial dependency to superpower. Proposes a theoretical model for interpreting American foreign policy and applies this framework to historical events considered chronologically. Considers questions of morality in relation to foreign policy.</p> <p><u>Attributes:</u> <i>Social Science B, Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3710 Comparative Non-Western Histry (5) Offerings</p> <p>Explores the history of the non-Western World through thematic and regional comparisons. Sample themes include frontier encounters, colonialism, nationalism, modernization, state formation, and social change.</p> <p><u>Attributes:</u> <i>Social Science B, Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3720 Rise of Islamic Civilization (5) Offerings</p> <p>Traces the rise and development of Islamic civilization from seventh-century origins to the 18th century. Highlights the interaction of cultural, political, and economic themes, as well as the changing relations between the Middle East and Europe.</p> <p><u>Attributes:</u> <i>Social Science B, Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3730 Modern Middle East (5) Offerings</p> <p>Traces cultural, political, and economic change in the Middle East from the 18th century to the present. Explores Middle Eastern/Islamic responses to Western expansion, the rise of nationalism, the Arab-Israeli conflict, the geopolitics of oil and the roots of terrorism.</p> <p><u>Attributes:</u> <i>Social Science B, Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3750 Latin America (5) Offerings</p> <p>Traces the history of Latin America, with particular attention to the development of political, economic, social, religious, and aesthetic values.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>

<p>HIS 3765 Traditional East Asia (5) Offerings</p> <p>Traces the making of Chinese and Japanese civilizations and the formation of political, social, and moral order in China and Japan from antiquity to the 19th century under the influence of both native and borrowed traditions, especially Confucianism and Buddhism.</p> <p><u>Attributes:</u> <i>Social Science B, Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3785 Modern East Asia (5) Offerings</p> <p>Examines the cultural, religious, and philosophical fabric of East Asian societies with special reference to China and Japan, as well as the political and economic developments and interactions with the West from the 18th century to the present.</p> <p><u>Attributes:</u> <i>Social Science B, Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3790 History of Africa (5) Offerings</p> <p>Studies the history of Africa from prehistoric times to the present. Examines cultural, political, and economic change both within Africa and between Africa and other world regions.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 3850 History of Historical Writing (3) Offerings</p> <p>Prerequisite: 15 hours in history or permission of instructor. Studies the great historians, past and present; surveys major schools of historical interpretation and different methods of historical research. Requires investigations and reports by students. Required for all history majors.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>HIS 4495 Topics in History of Science (3) Offerings</p> <p>Capstone research seminar, stressing analysis of primary sources and advanced integrative historical understanding. Focus may vary from year to year. Sample topics: Galileo and the church; the world of Isaac Newton; Darwin evolution and society; technology and modernity; the Scopes Trial; or women and science.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>HIS 4525 Jacksonian America, 1820-1850 (3) Offerings</p> <p>Capstone research seminar, stressing analysis of primary sources and advanced, integrative historical understanding. Studies the interacting impact of revival, reform, and romanticism in the context of political realignment and economic growth. Students select typical life roles from the period to research and portray.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>HIS 4545 Transform Amer Life:1870-1900 (3) Offerings</p> <p>Capstone research seminar, stressing analysis of primary sources and advanced, integrative historical understanding. Through intensive examination of World's Fairs in 1876 and 1893, analyzes the rise of big business and consequent social and cultural change. Students write short papers in the journalistic style of the era, based on contemporary accounts of the years and the fairs.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>HIS 4565 World War II (3) Offerings</p> <p>Capstone research seminar, stressing analysis of primary sources and advanced, integrative historical understanding. Studies American experiences at home and abroad during the Second World War, and assesses the impact of the ordeal on contemporary American civilization. Guest presentations supplement instructor lectures and class discussion. Students present an individual oral history project.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>HIS 4575 America in the 1960s (3) Offerings</p> <p>Capstone research seminar, stressing analysis of primary sources and advanced, integrative historical understanding. Examines the remaking of American society in the period 1958-1974. Students will read core texts and then complete an original research project on topics such as the Civil Rights movement, the Vietnam conflict, the women's movement, the Cold War, the war on poverty, the rise of ethnic consciousness, or popular music. Projects will generally be presented in the form of a term paper.</p>

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HIS 4600 Pacific Northwest Sen Tutorial (5) Offerings

An alternative version of HIS 3600. Through guided independent study, the student surveys development of the region encompassing Washington, Oregon, and Idaho from the discovery period to the present. Students engage in readings and field visits, and submit a journal both as a measure of learning progress and as a permanent resource packet. Offered Summer Session only. (Post-baccalaureate students should enroll in HIS 5600, a version of the course offered year round.)

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HIS 4715 Non-Western History Seminar (3) Offerings

Capstone research seminar, stressing analysis of primary sources and advanced, integrative historical understanding. Topics may vary and will focus on Africa, the Middle East, or regional comparisons. Sample topics: the Israel-Palestine conflict, Christian-Muslim relations, the Age of Imperialism, the Algerian revolution, rise and fall of South African apartheid.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HIS 4765 Asian History Seminar (3) Offerings

Capstone research seminar, stressing analysis of primary sources and advanced, integrative historical understanding. Students will read core texts and then complete an original research project on topics in Asian history. Regional and thematic focus may vary from year to year. Projects will generally be presented in the form of a term paper.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HIS 4899 History Capstone (3) Offerings

For specific course information, see Catalog description of HIS 4495, 4525, 4545, 4565, 4575, 4715, and 4765. History majors who are taking this course to meet the capstone graduation requirement should enroll in HIS 4899; all other students should enroll in the equivalent course number.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HIS 4900 Independent Study (1-5) Offerings

Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits.

Attributes: Upper-Division

HIS 4920 Readings in History (General) (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated area of history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HIS 4921 Readings in Ancient History (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting on a designated topic in ancient history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HIS 4922 Rdgs in European Hist(Periods) (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated time period of European history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

HIS 4923 Rdgs in European Hist (Topics) (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated topic in

European history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

HIS 4924 Readings in Comparative Hist (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated topic in history that bridges traditional regional specialties, as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

HIS 4925 Rdgs in U.S. History(Periods) (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated time period of U.S. history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

HIS 4926 Rdgs in U.S. History (Topics) (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated topic in U.S. history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

HIS 4927 Readngs in Non-Western History (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated topic in African, Middle Eastern, Asian, or Latin American history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

HIS 4928 Readings in Historiography (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated area of historical writing as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

HIS 4929 Readings in Applied History (1-5) Offerings

Prerequisites: 15 credits of B work in history. Requires reading and reporting in a designated field of applied or "public" history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 20 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

HIS 4930 Mentoring Practicum (1-5) Offerings

Designed to provide an opportunity for academically skilled juniors and seniors to work under faculty supervision providing peer academic mentoring to freshmen and sophomores taking lower-division history and university core courses (e.g., UCOR 2000 The West and the World).

Attributes: *Upper-Division*

HIS 4940 History Internship (1-15) Offerings

Prerequisites: 15 credits of B work in history. Provides opportunities as available for practical application of history skills. See internship coordinator and history chairperson. May be repeated for credit up to 30 credits. May be repeated for credit up to 30 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated students are excluded.*

HIS 4949 Applied History Internship (1-15) Offerings

Prerequisites: 15 credits of B work in history. Provides opportunities as available for practical application of history skills, including museum training. See internship coordinator and history chairperson. May be

repeated for credit up to 30 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated students are excluded.*

HIS 4970 Independent Research (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant historical topic as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4971 Ancient History Research (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant ancient history topic as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4972 Euro History Research(Periods) (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant time period in European history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4973 European Hist Research(Topics) (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant European history topic as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4974 Comparative History Research (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant comparative historical topic as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4975 U.S. History Research(Periods) (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant time period in U.S. history as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4976 U.S. History Research (Topics) (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant U.S. history topic as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4977 Non-Western History Research (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant topic in African, Middle Eastern, or Latin American history, as arranged between the student and the instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4978 Historiography Research (1-15) Offerings

Prerequisites: HIS 3850, 10 upper-division credits of B work in history. Requires research and writing on a significant historiographical issue as arranged between the student and instructor. The student should

present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Non-Matriculated, Sophomore students are excluded.*

HIS 4979 Applied History Research (1-15) Offerings

Prerequisites: 10 upper-division credits of B work in history. Requires research and writing on a significant public-history topic as arranged between the student and instructor. The student should present a proposal before registering. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Non-Matriculated, Sophomore students are excluded.*

UCOR 2000 The West and the World (5) Offerings

Considers the question "From where have we come and where are we going?" Explores the history of interaction between the West and the world from the dawn of the modern global age (about 1500) to the present. How has Western civilization been influenced by and influenced other cultures? Key themes are ideas, inventions, and systems of interaction. The virtue of hope motivates service as the Christian response to a constantly changing world.

Restrictions: *Freshman students are excluded.*

HISTORY DEPARTMENT FACULTY

Allen, Darrell E. Assistant Professor of History; B.A., Colorado State University 1984; Master of Arts, University of Kansas 1995; Doctor of Philosophy, University of Kansas 2004. At SPU since 2000. ([Contact Info](#))

Ferreiro, Alberto. Professor of European History; B.A., University of Texas Arlington 1977; Master of Arts, University of Texas Arlington 1979; Doctor of Philosophy, University of Calif Santa Barbara 1986. At SPU since 1986. ([Contact Info](#))

Hamilton, Michael S. Department Chair of History / Associate Professor of History; B.A., Seattle Pacific University 1986; Master of Arts, University of Notre Dame 1988; Doctor of Philosophy, University of Notre Dame 1995. At SPU since 1999. ([Contact Info](#))

Holsinger, Donald C. Professor of History; B.A., Bethel College KS 1970; Doctor of Philosophy, Northwstrn University 1979. At SPU since 1990. ([Contact Info](#))

Stiling, Rodney Lee. Associate Professor of History; B.A., University of Calif Los Angeles 1972; Master of Theology, Dallas Theological Seminary 1980; Master of Arts, University of Wisc Madison 1985; Doctor of Philosophy, University of Wisc Madison 1991. At SPU since 2001. ([Contact Info](#))

Woodward, William Henry. Professor of History; B.A., Wheaton College IL 1969; Doctor of Philosophy, Georgetown University 1974; Master of Arts, Georgetown University 1974. At SPU since 1974. ([Contact Info](#))

PHYSICAL EDUCATION AND EXERCISE SCIENCE

Royal Brougham Pavilion
206-281-2081
www.spu.edu/depts/pe

FACULTY: [JoAnn Atwell-Scrivner](#), [Lowell F. Turner](#), [Robert Duane Weathers](#)

The faculty and staff in the Department of Physical Education are committed to delivering programs that promote health through physical activity while valuing and examining physical activity through a Christian worldview. A primary goal of the Physical Education and Exercise Science Department is to promote healthy lifestyles through good decision making, improved fitness, and lifetime movement skills.

Students who major in *physical education* proceed through a sequential, comprehensive curriculum that prepares them to enter a variety of movement-related professions, including teaching, fitness training, and recreational leadership. Students who major in *exercise science* often pursue such diverse fields as physical therapy, occupational therapy medical school, sport medicine, corporate fitness, and cardiac rehabilitation.

Both majors require the same capstone course (PE 4899), which requires students to research a topic, write a well-documented paper, and present it before a group of their professors and peers.

All physical education and exercise science majors are required to complete the 36 credits of core courses. Each of the majors has 36 additional required credits for the specific majors for a total of 72 credits. Within the 36 additional credits, the exercise science major contains 7 elective credits and the physical education major has 9 elective credits.

There are minors offered in each area; physical education and exercise science. Each of these minors requires 36 credits.

Admission and GPA Requirement

Students desiring to major or minor in physical education or exercise science must have a minimum 2.5 GPA in at least 9 credits taken at SPU that apply to the major or minor.

Requirements for the Majors and Minors

[Requirements for the Physical Education Major](#)

Note: For teacher certification, refer to the [School of Education](#) for admission requirements and details.

[Requirements for the Exercise Science Major](#)

[Requirements for the Physical Education Minor](#)

[Requirements for the Exercise Science Minor](#)

Physical Education Electives

Course	Title	Credits
BIO 1100	BioScience: Human Nutrition	5
PES 2550	Responding to Emergencies	3
PES 3590	Sport Injury Management	4
PES 4585	Applied Exercise Science	5
PES 4555	Community Health Promotion	3
PES 4900	Independent Study	1-5
PES 4940	Practicum	1-5
PES 4930	Exercise Science Practicum	1
PES 4940	Internship	5

Exercise Science Electives

Course	Title	Credits
PES 2550	Responding to Emergencies	3
PES 2613	Teaching alternative activities and assessments	2
PES 2617	Teaching Health and Fitness	2

PES 3545	Programs for Special Populations	3
PES 3575	Motor Development	4
PES 3590	Sport Injury Management	4
PES 4555	Community Health Promotion	3
PES 4900	Independent Study	1-5
PES 4930	Exercise Science Practicum	1
PES 4940	Internship	5

Lifetime Activities Program

Lifetime activities classes provide an opportunity for the student to experience diverse physical activity options. The Department of Physical Education and Exercise Science offers a wide spectrum of activity classes in which basic skills can be learned and refined to the point of independent participation.

Requirements for Health and Fitness Endorsement

Students seeking to obtain a Washington state teaching endorsement in health and fitness must complete a minimum of 45 credits in physical education to obtain their original/first endorsement or a minimum of 24 credits in physical education to obtain a supporting/ second endorsement. The credit total must include coursework drawn from the categories listed below. See [Certification Requirements](#) in School of Education for more information.

Required Domain Coursework

Candidates will be required to successfully complete a college/university Anatomy/Physiology course (10 quarter credits) within the last 10 years.

A current first aid/CPR card is required prior to completing the program.

EXERCISE SCIENCE MAJOR

72 Credits Total, Including 41 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
BIO 2129 Human Anatomy & Physiology (5)	10
BIO 2130 Human Anatomy & Physiology (5)	
PES 1301 Wellness and Physical Activity	3
PES 2195 Philosophy&Resrch in Hlth/Phys	5
PES 3560 Psy Aspects of Health/Phys Act	3
PES 3570 Biomechanics	5
PES 3580 Exercise Physiology	5
PES 4899 Contempry Iss Health & Fitness	5
SECTION CREDITS REQUIRED	36
Requirements for the Exercise Science Major	
Course	Credits
CHM 1211 General Chemistry I	5
CHM 1330 Organic & Biological Chemistry	5
FCS 3340 Human Nutrition	5
FCS 4310 Nutrition in Sports & Exercise	3
PES 4585 Applied Exercise Science	5

PES 4930 Exercise Science Practicum	1-5
PES 4940 Internship	5
SECTION CREDITS REQUIRED	29
Exercise Science Electives	
Course	Credits
PES 2550 Responding to Emergencies	3
PES 2613 Tchg Alternatv Games&Assesmnts	2
PES 2617 Teaching Health and Fitness	2
PES 3545 Programs for Special Populatns	3
PES 3575 Motor Learning & Development	4
PES 3590 Sport Injury Management	4
PES 4555 Community Health Promotion	3
PES 4900 Independent Study	1-5
PES 4930 Exercise Science Practicum	1-5
PES 4940 Internship	1-15
SECTION CREDITS REQUIRED	7
TOTAL CREDITS REQUIRED	72

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EXERCISE SCIENCE MINOR

36 Credits Total, Including 15 Upper Division

Exercise Science Minor Course Requirements	
Course	Credits
BIO 2129 Human Anatomy & Physiology(5)	10
BIO 2130 Human Anatomy & Physiology(5)	
PES 1301 Wellness and Physical Activity	3
PES 2195 Philosophy&Resrch in Hlth/Phys	5
PES 3560 Psy Aspects of Health/Phys Act	3
PES 3570 Biomechanics	5
PES 3580 Exercise Physiology	5
PES 4585 Applied Exercise Science	5
SECTION CREDITS REQUIRED	36
TOTAL CREDITS REQUIRED	36

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EXERCISE SCIENCE COURSE DESCRIPTIONS

BIO 2129 Human Anatomy & Physiology (5) Offerings
Studies the structure and function of the human organism. Includes cells and tissues, skeletal, integumentary, muscular, and nervous systems. Includes laboratory.
<u>Attributes:</u> <i>Natural Science A</i>
BIO 2130 Human Anatomy & Physiology (5) Offerings
Studies the structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal, and reproductive systems. Includes laboratory.
<u>Attributes:</u> <i>Natural Science A</i>
CHM 1211 General Chemistry I (5) Offerings
Prerequisites: Requires two years high school mathematics (including algebra), a passing score on the SPU Mathematics Proficiency exam (or completion of the required MAT 0120 credits), one year of high school chemistry, or CHM 1100 and passing the Chemistry Placement test. Introduces properties of matter, stoichiometry, chemical reactions, thermochemistry, states of matter, chemical bonding, and atomic and molecular structure. Includes laboratory. Extra fee.
<u>Attributes:</u> <i>Natural Science B</i>
CHM 1330 Organic & Biological Chemistry (5) Offerings
Prerequisite: CHM 1211. Studies simpler laws of organic chemistry, nomenclature, and classification. Simple chemistry of carbohydrates, lipids and proteins, integration of metabolisms, and chemistry of heredity. Includes laboratory. Extra fee.
<u>Attributes:</u> <i>Natural Science B</i>
FCS 3340 Human Nutrition (5) Offerings
Prerequisites: CHM 1211, 1330, BIO 2129, and 2130 (Note: either BIO 2130 or CHM 1330 may be taken concurrently). Presents essentials of adequate diets and food sources of the nutrients; nutritional needs throughout the lifespan; nutritional composition of foods in relation to normal diets and medical nutrition therapy.
<u>Attributes:</u> <i>Upper-Division</i>
FCS 4310 Nutrition in Sports & Exercise (3) Offerings
Prerequisites: FCS 3340 or permission of instructor. Discusses basic nutritional principles: The role of the six major nutrient groups in physical performance; energy metabolism and exercise; and special concerns with dietary considerations about nutrition and performance. Current readings on controversial issues.
<u>Attributes:</u> <i>Upper-Division</i>
PES 1301 Wellness and Physical Activity (3) Offerings
Examines the integrated development of spiritual, social, emotional, intellectual, physical, and environmental well-being with special emphasis given to the relationships of each of these with physical activity and fitness. Also provides a brief overview of different areas of study and careers related to physical activity.
PES 2195 Philosophy&Resrch in Hlth/Phys (5) Offerings
This course focuses on the philosophy and research of how exercise, fitness, play, games and sport evolved in American culture. Using several interpretive frameworks, the course explores topics such as the mind/body relationship, family and peer influences, and the impact of gender, race, religion, subcultures, social movements, urbanization, technology and socioeconomics on the way contemporary society views

health and participates in physical activity. Students are also introduced to current research methods in the field of health and physical activity.

Attributes: Writing "W" Course

PES 2550 Responding to Emergencies (3) Offerings

Presents basic skills of accident prevention and emergency treatment of injury and illness in a variety of situations. Topics include legal liability and accident response; respiratory emergencies and rescue breathing; circulatory emergencies and cardiopulmonary resuscitation; hemorrhage control; shock; sudden illness; burns; injuries from exposure to heat and cold; poisoning; drug-abuse emergencies; bone and joint injuries; and rescue and transfer. Accident simulations are staged to gain practice in emergency care. Extra fee.

Restrictions: Freshman students are excluded.

PES 2613 Tchg Alternatv Games&Assesmnts (2) Offerings

Covers a variety of alternative activities and success-oriented instructional strategies for non-traditional games and sports played throughout the world. Appropriate assessments will also be included.

PES 2617 Teaching Health and Fitness (2) Offerings

Covers the fundamental skills, scientific guidelines, terminology and teaching techniques necessary to plan and deliver effective instruction in activities designed for health and fitness such as aerobic dance, bicycling, inline and roller skating, running, walking, and the use of standard fitness equipment including cycling and rowing ergometers, pedometers, exercise balls, a stair climber, an elliptical trainer, and free and machine weights. Work will also center around the State Health and Physical Education tests. Extra fee for exercise ball and pedometer.

PES 3545 Programs for Special Populatns (3) Offerings

Studies disabilities and how physical education and other recreation activities can be matched with disabled and elderly people's need for participation and/or correction.

Attributes: Upper-Division Restrictions: Exercise Science, Physical Education Majors only. Freshman, Sophomore students are excluded.

PES 3560 Psy Aspects of Health/Phys Act (3) Offerings

Prerequisites: PES 1301, 2195. This course explores the psychological attributes necessary for sustained and successful implementation of a healthy and physically active lifestyle. Positive performance enhancers such as drive, commitment, confidence, focus, perseverance, intuition and trust will be examined as well as the implications of performance inhibitors such as anxiety, delusion, excessive ambition and aggression. Students become familiar with important motivation and intervention strategies such as psyching and relaxation, imagery and visualization, goal setting and causal attribution that lead to a fully functioning self system. The course incorporates significant use of narrative fiction and nonfiction books and film to illustrate the content.

Attributes: Upper-Division, Writing "W" Course Restrictions: Exercise Science, Physical Education Majors only. Freshman, Sophomore students are excluded.

PES 3570 Biomechanics (5) Offerings

Prerequisite: BIO 2129 or permission of instructor. Course provides information regarding the structure and function of the musculoskeletal systems and is divided into three sections. Section one reviews functional anatomy including shoulder, elbow, hip, knee and spine. Section two examines the basic principles of motion through discussion and laboratory experiment with such topics as nature of forces, Newton's laws, ground and fluid forces, work, power, energy, torque, levers and center of gravity. Section three offers analyses of selected activities including weight training, running, cycling, swimming. Lab session required.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

PES 3575 Motor Learning & Development (4) Offerings

Explores theories and constructs relevant to the acquisition and performance of movement skills. After

reviewing nervous system structure, the course examines the various methods of neuromuscular control of movement including proprioception, reflex, information processing, attention, memory, and various forms of rehearsal and practice through lecture and lab experiences. Students will visit a host school once a week and film students on specified locomotor and/or sport skills.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

PES 3580 Exercise Physiology (5) Offerings

Prerequisite: BIO 2130 and PES 1301 or permission of instructor. Gives description and explanation of physiological responses and adaptations to exercise, emphasizing improvement of athletic performance and understanding the mechanisms whereby exercise may enhance health. Course includes laboratory.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

PES 3590 Sport Injury Management (4) Offerings

Prerequisite: BIO 2129. Describes the prevention, recognition and treatment of injuries related to sport activity. Emphasis on recognition and decision making for the immediate care of serious and life-threatening injuries and the immediate and secondary care of common sports related injuries. Describes the development and implementation of comprehensive sport injury management systems.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

PES 4555 Community Health Promotion (3) Offerings

Prerequisites: PES 1301 and 2195. This course introduces students to the application of selected behavioral science theories and concepts in health education and health promotion programs for individuals and groups. An introduction to intervention theory and methods will also be included as a part of the course content. Lecture, demonstration, and case studies are part of the pedagogical process as well as student developed interventions and research.

PES 4585 Applied Exercise Science (5) Offerings

Prerequisites: PES 3570, 3580. Explores internship and employment opportunities in exercise science, examines the relationships between and the determinants of physical activity and public health, and develops skills in fitness testing and exercise prescription for health and human performance.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

PES 4899 Contemporary Issues Health & Fitness (5) Offerings

This capstone course focuses on contemporary issues in the health and fitness field. Students will be challenged to reflect on the relationship between faith and the issues confronting health and fitness professionals. Students will identify a topic of interest for further study and investigation to be presented during the Spring Quarter senior colloquium. Research techniques and writing will be presented to aid in the development of a cohesive project and presentation. Students register for the course each quarter of their senior year as 2 credits in fall, 2 credits in winter and 1 credit in spring. May be repeated for credit up to 5 credits.

Attributes: Upper-Division, Writing "W" Course Restrictions: Exercise Science, Physical Education Majors only. Senior students only.

PES 4900 Independent Study (1-5) Offerings

Allows a nonresearch approach to an approved issue. Course requirements include a defined set of objectives, a minimum of three conferences with a designated faculty member, a current topical bibliography and a term ending assessment mutually developed by faculty and student. The format may be utilized only once. May be repeated for credit up to 15 credits.

Attributes: Upper-Division Restrictions: Exercise Science, Physical Education, Student-Designed Majors only. Freshman, Sophomore students are excluded.

PES 4930 Exercise Science Practicum (1-5) Offerings

Prerequisites: PES 3570, 3580. Provides practical experience in research, physical fitness testing and/or exercise prescription and leadership with members of the SPU community. May be repeated for credit up to 5 credits.

Attributes: Upper-Division

PES 4940 Internship (1-15) Offerings

Offers work experience with local organizations. Internships are available in all major disciplines. Position descriptions that meet student-generated objectives, work hours, calendar, remuneration and related benefits are established by the cooperating organization. A supervisor/mentor from the cooperating organization serves as the author of specific daily assignments and writes the final evaluation. May be repeated for credit up to 15 credits.

Attributes: Upper-Division Restrictions: Exercise Science, Physical Education, Student-Designed Majors only. Freshman, Sophomore students are excluded.

PES 4940 Internship (5) Offerings

Offers work experience with local organizations. Internships are available in all major disciplines. Position descriptions that meet student-generated objectives, work hours, calendar, remuneration and related benefits are established by the cooperating organization. A supervisor/mentor from the cooperating organization serves as the author of specific daily assignments and writes the final evaluation. May be repeated for credit up to 15 credits.

Attributes: Upper-Division Restrictions: Exercise Science, Physical Education, Student-Designed Majors only. Freshman, Sophomore students are excluded.

PHYSICAL EDUCATION MAJOR

72 Credits Total, Including 35 Upper Division

Suggested Course Sequence

General Core	
Course	Credits
BIO 2129 Human Anatomy & Physiology(5)	10
BIO 2130 Human Anatomy & Physiology(5)	
PES 1301 Wellness and Physical Activity	3
PES 2195 Philosophy&Resrch in Hlth/Phys	5
PES 3560 Psy Aspects of Health/Phys Act	3
PES 3570 Biomechanics	5
PES 3580 Exercise Physiology	5
PES 4899 Contempry Iss Health & Fitness	5
SECTION CREDITS REQUIRED	36
Physical Education Requirements	
Course	Credits
PES 2613 Tchg Alternatv Games&Assesmnts	2
PES 2614 Teaching Team Sports	2
PES 2615 Teaching Leisure Activities	2
PES 2616 Teaching Individual Sports	2
PES 2617 Teaching Health and Fitness	2
PES 2555 Methods of Teaching Health	5
PES 3510 Teaching Physical Education	5
PES 3545 Programs for Special Populatns	3

PES 3575 Motor Learning & Development	4
SECTION CREDITS REQUIRED	27
Physical Education Electives	
Course	Credits
BIO 1100 Biological Science (5)	
PES 2550 Responding to Emergencies (3)	
PES 3590 Sport Injury Management (4)	
PES 4555 Community Health Promotion (3)	
PES 4585 Applied Exercise Science (5)	9
PES 4900 Independent Study (1-5)	
PES 4930 Exercise Science Practicum (1-5)	
PES 4940 Internship (1-15)	
PES 4940 Internship (1-15)	
SECTION CREDITS REQUIRED	9
TOTAL CREDITS REQUIRED	72

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

PHYSICAL EDUCATION MINOR

36 Credits Total, Including 15 Upper Division

PE Minor Course Requirements	
Course	Credits
PES 1301 Wellness and Physical Activity	3
PES 2195 Philosophy&Resrch in Hlth/Phys	5
PES 3510 Teaching Physical Education	5
PES 3560 Psy Aspects of Health/Phys Act	3
SECTION CREDITS REQUIRED	16
PES 2600 Series (Minimum of three classes)	
Course	Credits
PES 2613 Tchg Alternatv Games&Assesmnts (2)	
PES 2614 Teaching Team Sports (2)	
PES 2615 Teaching Leisure Activities (2)	6
PES 2616 Teaching Individual Sports (2)	
PES 2617 Teaching Health and Fitness (2)	
SECTION CREDITS REQUIRED	6
PES Electives (no more than 10 in Biology)	
Course	Credits
BIO 1100 Biological Science (5)	
PES 2550 Responding to Emergencies (3)	
PES 2613 Tchg Alternatv Games&Assesmnts (2)	
PES 3590 Sport Injury Management (4)	14
PES 4555 Community Health Promotion (3)	
PES 4585 Applied Exercise Science (5)	
PES 4900 Independent Study (1-5)	

PES 4930 Exercise Science Practicum (1-5)	
PES 4940 Internship (1-15)	
PES 4940 Internship (1-15)	
SECTION CREDITS REQUIRED	14
TOTAL CREDITS REQUIRED	36

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

PHYSICAL EDUCATION COURSE DESCRIPTIONS

<p>BIO 1100 Biological Science (5) Offerings</p> <p>Intended for non-biology majors. Emphasis varies quarterly: human nutrition, animal biology, environmental biology, biological diversity, marine biology, and others. Basic concepts include the chemistry of living things, their structure and function, and their interactions with the environment. Applications to current issues are considered from a Christian perspective. No credit will be given for students who have taken BIO 2101, 2102, 2103, 2129, 2130, or who have advanced placement biology credit. Also offered at Blakely Island Field Station and as a study tour.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>BIO 2129 Human Anatomy & Physiology (5) Offerings</p> <p>Studies the structure and function of the human organism. Includes cells and tissues, skeletal, integumentary, muscular, and nervous systems. Includes laboratory.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>BIO 2130 Human Anatomy & Physiology (5) Offerings</p> <p>Studies the structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal, and reproductive systems. Includes laboratory.</p> <p><u>Attributes:</u> <i>Natural Science A</i></p>
<p>PES 1301 Wellness and Physical Activity (3) Offerings</p> <p>Examines the integrated development of spiritual, social, emotional, intellectual, physical, and environmental well-being with special emphasis given to the relationships of each of these with physical activity and fitness. Also provides a brief overview of different areas of study and careers related to physical activity.</p>
<p>PES 2195 Philosophy&Resrch in Hlth/Phys (5) Offerings</p> <p>This course focuses on the philosophy and research of how exercise, fitness, play, games and sport evolved in American culture. Using several interpretive frameworks, the course explores topics such as the mind/body relationship, family and peer influences, and the impact of gender, race, religion, subcultures, social movements, urbanization, technology and socioeconomics on the way contemporary society views health and participates in physical activity. Students are also introduced to current research methods in the field of health and physical activity.</p> <p><u>Attributes:</u> <i>Writing "W" Course</i></p>
<p>PES 2550 Responding to Emergencies (3) Offerings</p> <p>Presents basic skills of accident prevention and emergency treatment of injury and illness in a variety of situations. Topics include legal liability and accident response; respiratory emergencies and rescue breathing; circulatory emergencies and cardiopulmonary resuscitation; hemorrhage control; shock; sudden</p>

illness; burns; injuries from exposure to heat and cold; poisoning; drug-abuse emergencies; bone and joint injuries; and rescue and transfer. Accident simulations are staged to gain practice in emergency care. Extra fee.

Restrictions: *Freshman students are excluded.*

PES 2555 Methods of Teaching Health (5) Offerings

Prerequisites: PES 1301 and 2195. This course identifies major health issues and teaching strategies with a variety of curricular programs through a holistic approach. Topics include community and consumer health, substance use and abuse, lifetime sexuality, child abuse, violence, environmental health factors and communicable disease. Content includes lesson and unit design, effective teaching models for health and presentation management that promotes cooperation and interaction with students of all age levels. Course provides a controlled and supervised micro-teaching experience.

Restrictions: *Freshman students are excluded.*

PES 2613 Tchg Alternatv Games&Assesmnts (2) Offerings

Covers a variety of alternative activities and success-oriented instructional strategies for non-traditional games and sports played throughout the world. Appropriate assessments will also be included.

PES 2614 Teaching Team Sports (2) Offerings

Covers the fundamental skills, basic rules, terminology, assessments, and teaching techniques necessary to plan and deliver effective instruction in selected team sports such as softball, basketball, football (American and Australian rules), soccer, team handball, volleyball, and selected global sports.

PES 2615 Teaching Leisure Activities (2) Offerings

Covers the fundamental skills, basic rules, terminology, assessments, and teaching techniques necessary to plan and deliver effective instruction in selected leisure activities such as archery, bowling, badminton, disc sports, rope skipping, dance, roller skating, inline skating, pickleball, racquetball and table tennis.

PES 2616 Teaching Individual Sports (2) Offerings

Covers the fundamental skills, basic rules, terminology, assessments, and teaching techniques necessary to plan and deliver effective instruction in selected individual sports such as golf, gymnastics, tennis, track and field, etc.

PES 2617 Teaching Health and Fitness (2) Offerings

Covers the fundamental skills, scientific guidelines, terminology and teaching techniques necessary to plan and deliver effective instruction in activities designed for health and fitness such as aerobic dance, bicycling, inline and roller skating, running, walking, and the use of standard fitness equipment including cycling and rowing ergometers, pedometers, exercise balls, a stair climber, an elliptical trainer, and free and machine weights. Work will also center around the State Health and Physical Education tests. Extra fee for exercise ball and pedometer.

PES 3510 Teaching Physical Education (5) Offerings

Prerequisites: PES 2614, 2615, 2616 and 2617, or instructor permission. Explores physical education curriculum, activities and teaching strategies for elementary, middle school and high school students. Content includes lesson and unit design, effective teaching models for fitness and sport skill development, and classroom management that promotes cooperation and safety. Course provides a controlled and supervised micro-teaching experience.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

PES 3545 Programs for Special Populatns (3) Offerings

Studies disabilities and how physical education and other recreation activities can be matched with disabled and elderly people's need for participation and/or correction.

Attributes: *Upper-Division* **Restrictions:** *Exercise Science, Physical Education Majors only. Freshman, Sophomore students are excluded.*

PES 3560 Psy Aspects of Health/Phys Act (3) Offerings

Prerequisites: PES 1301, 2195. This course explores the psychological attributes necessary for sustained and successful implementation of a healthy and physically active lifestyle. Positive performance enhancers such as drive, commitment, confidence, focus, perseverance, intuition and trust will be examined as well as the implications of performance inhibitors such as anxiety, delusion, excessive ambition and aggression. Students become familiar with important motivation and intervention strategies such as psyching and relaxation, imagery and visualization, goal setting and causal attribution that lead to a fully functioning self system. The course incorporates significant use of narrative fiction and nonfiction books and film to illustrate the content.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Exercise Science, Physical Education Majors only. Freshman, Sophomore students are excluded.*

PES 3570 Biomechanics (5) Offerings

Prerequisite: BIO 2129 or permission of instructor. Course provides information regarding the structure and function of the musculoskeletal systems and is divided into three sections. Section one reviews functional anatomy including shoulder, elbow, hip, knee and spine. Section two examines the basic principles of motion through discussion and laboratory experiment with such topics as nature of forces, Newton's laws, ground and fluid forces, work, power, energy, torque, levers and center of gravity. Section three offers analyses of selected activities including weight training, running, cycling, swimming. Lab session required.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

PES 3575 Motor Learning & Development (4) Offerings

Explores theories and constructs relevant to the acquisition and performance of movement skills. After reviewing nervous system structure, the course examines the various methods of neuromuscular control of movement including proprioception, reflex, information processing, attention, memory, and various forms of rehearsal and practice through lecture and lab experiences. Students will visit a host school once a week and film students on specified locomotor and/or sport skills.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

PES 3580 Exercise Physiology (5) Offerings

Prerequisite: BIO 2130 and PES 1301 or permission of instructor. Gives description and explanation of physiological responses and adaptations to exercise, emphasizing improvement of athletic performance and understanding the mechanisms whereby exercise may enhance health. Course includes laboratory.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

PES 3590 Sport Injury Management (4) Offerings

Prerequisite: BIO 2129. Describes the prevention, recognition and treatment of injuries related to sport activity. Emphasis on recognition and decision making for the immediate care of serious and life-threatening injuries and the immediate and secondary care of common sports related injuries. Describes the development and implementation of comprehensive sport injury management systems.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

PES 4555 Community Health Promotion (3) Offerings

Prerequisites: PES 1301 and 2195. This course introduces students to the application of selected behavioral science theories and concepts in health education and health promotion programs for individuals and groups. An introduction to intervention theory and methods will also be included as a part of the course content. Lecture, demonstration, and case studies are part of the pedagogical process as well as student developed interventions and research.

PES 4585 Applied Exercise Science (5) Offerings

Prerequisites: PES 3570, 3580. Explores internship and employment opportunities in exercise science, examines the relationships between and the determinants of physical activity and public health, and develops skills in fitness testing and exercise prescription for health and human performance.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

PES 4899 Contempory Iss Health & Fitness (5) Offerings

This capstone course focuses on contemporary issues in the health and fitness field. Students will be challenged to reflect on the relationship between faith and the issues confronting health and fitness professionals. Students will identify a topic of interest for further study and investigation to be presented during the Spring Quarter senior colloquium. Research techniques and writing will be presented to aid in the development of a cohesive project and presentation. Students register for the course each quarter of their senior year as 2 credits in fall, 2 credits in winter and 1 credit in spring. May be repeated for credit up to 5 credits.

Attributes: Upper-Division, Writing "W" Course Restrictions: Exercise Science, Physical Education Majors only. Senior students only.

PES 4900 Independent Study (1-5) Offerings

Allows a nonresearch approach to an approved issue. Course requirements include a defined set of objectives, a minimum of three conferences with a designated faculty member, a current topical bibliography and a term ending assessment mutually developed by faculty and student. The format may be utilized only once. May be repeated for credit up to 15 credits.

Attributes: Upper-Division Restrictions: Exercise Science, Physical Education, Student-Designed Majors only. Freshman, Sophomore students are excluded.

PES 4930 Exercise Science Practicum (1-5) Offerings

Prerequisites: PES 3570, 3580. Provides practical experience in research, physical fitness testing and/or exercise prescription and leadership with members of the SPU community. May be repeated for credit up to 5 credits.

Attributes: Upper-Division

PES 4940 Internship (1-15) Offerings

Offers work experience with local organizations. Internships are available in all major disciplines. Position descriptions that meet student-generated objectives, work hours, calendar, remuneration and related benefits are established by the cooperating organization. A supervisor/mentor from the cooperating organization serves as the author of specific daily assignments and writes the final evaluation. May be repeated for credit up to 15 credits.

Attributes: Upper-Division Restrictions: Exercise Science, Physical Education, Student-Designed Majors only. Freshman, Sophomore students are excluded.

PHYSICAL EDUC & EXERCISE SCI DEPARTMENT FACULTY

Atwell-Scrivner, JoAnn. Department Chair of Physical Education and Exercise Science / Instructor of Physical Education; B.A., Willamette University 1976; Master of Science, Whitworth College 1990. At SPU since 1991. ([Contact Info](#))

Turner, Lowell F. Instructor of Physical Education; B.A., Seattle University 1969; Master of Education, Seattle University 1974. At SPU since 2003. ([Contact Info](#))

Weathers, Robert Duane. Professor of Physical Education; B.S., John Brown University 1967; Master of Education, University of Arkansas Fayetteville 1969; Doctor of Education, Brigham Young University Utah 1975. At SPU since 1978. ([Contact Info](#))

POLITICAL SCIENCE AND GEOGRAPHY

Alexander Hall
206-281-2158
www.spu.edu/depts/polisci

FACULTY: [Kathleen Elizabeth Braden](#), [Steven J Brust](#), [Reed Marlin Davis](#), [Douglas Durasoff](#), [Ruth Marie Ediger](#)

Seattle Pacific's political science program equips students to become leaders and citizens who influence politics and public policy informed by Christian faith and tradition. Political science majors at SPU wrestle with some of the most fundamental questions underlying faith and the political order: What is the relationship between Christian principles and public policy? How can Christians model both the character and truth of Jesus Christ in the public square? How should we all live in local, national, and global community?

To assist in the exploration of these questions, political science majors at SPU receive broad training in political philosophy, government, law, public policy, geopolitics, international relations, and the political behavior of individuals and groups. In addition, majors are provided with peer support and co-curricular activities through the SPU Political Union, a nonpartisan student group.

Study of political science is especially useful for careers in law, public administration, government service, international affairs, journalism, teaching, and several fields of business. Dual majors or complementary minors are encouraged. Minors offered by the department include political science, geopolitics, and leadership studies. [Special study programs](#) in Washington, D.C., France, and elsewhere further enrich students' academic experience. (For more information about these special study programs, contact [Professor Reed Davis](#).)

Faith and Politics Component

Political science majors at SPU are asked to integrate their understanding of the political world with the Christian faith. To facilitate this, the department offers several courses that focus on the intersection between faith and public life:

- POL 2641 Christianity and American Politics, which studies the history of Christian involvement in politics from America's founding to today.
- POL 2642 Christianity and World Politics, which looks at broader global areas and issues.
- POL 2900 Foundations for Leadership, which examines the implications of the Christian faith for leadership.
- POL 3410 Moral Foundations of Democracy, which explores the moral and spiritual roots of representative democracy.
- POL 4899 Political Science Capstone Seminar which challenges students to reflect on the relationship between faith and politics in light of their entire collegiate experience and is required of all political science majors.

Special Programs

Political Science Internships

Political science majors at SPU are strongly encouraged to gain real-world experience through internships, and faculty in the department work with students to arrange internships appropriate to their career interests. Internships are arranged with a wide variety of organizations, including public-policy groups, media organizations, and government offices at both the local and national level. Credit is offered through POL 4940 Political Internships.

Admission to the Political Science Major and Minor

To qualify for admission to the major, a student must have a 2.5 minimum GPA in previous courses in the major. Students are encouraged to apply for the major by the end of their sophomore year.

Requirements for the Political Science Major

For all three tracks, 25 credits must be upper-division.

Political science majors at SPU choose to organize their studies according to one of three tracks: general, which provides the most flexibility; public policy and law, which is especially appropriate for those considering careers in

government or who plan to attend law school; and international affairs, which is designed for those interested in global politics and policy.

In addition to the course requirements for these tracks, majors are required to fulfill their Exploratory Curriculum mathematics requirement prior to the spring of their senior year by taking a statistics course such as SOC 2360 Introduction to Statistics in Social and Behavioral Sciences, MAT 1360 Introduction to Statistics or BUS 2700 Statistics for Business and Economics. Whenever possible, majors are also strongly encouraged to take POL 4643 Methods of Political Analysis in their junior (rather than senior) year.

Any course substitutions must be approved by the [department chair](#). No more than a total of 10 hours of internship or independent study can be applied in meeting the required hours in political science, but additional credits above the required hours may be added. For students who wish to enhance their degree with additional specialization, applied coursework beyond the required credits and in associated majors or minors can be arranged in consultation with the political science advisor.

[Political Science - General Track](#)

[Public Policy and Law Track](#)

POL 4940 Internship is strongly suggested as an elective.

[Political Science - International Affairs Track](#)

In addition, at least one year of a foreign language or equivalent is required, and more than this is strongly encouraged.

[Requirements for the Political Science Minor](#)

[Requirements for the Geopolitics Minor](#)

SPU offers no baccalaureate degree specifically in geography, but studies in geography may be combined with political science for a geopolitics minor. Geography, along with history, is a critical service component for students majoring in other disciplines such as social-science education, and it provides an important dimension to a liberal arts education. (For more information, contact Professors [Kathleen Braden](#) or [Ruth Ediger](#).)

[Requirements for the Leadership Minor](#)

Designed for student leaders, this interdisciplinary program draws on courses from such disciplines as political science, sociology, business, psychology, and philosophy. Admission to the leadership studies minor is selective and requires an application submitted to the Office of Student Life. Contact [Dale Anderson](#) for application information.

POLITICAL SCIENCE: GENERAL TRACK

51 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

General Core: Political Science	
Course	Credits
POL 1110 Introduction to Politics	5
POL 2320 Comparative Political Systems	5
POL 1120 American Government & Politics (5) POL 2464 State & Local Politics (5)	5
POL 2641 Christianity & Amer. Politics (5) POL 2642 Christianity & World Politics (5) POL 2900 Foundations for Leadership (5) POL 3410 Moral Foundations of Democracy (5)	5
POL 4000 Public Policy & Administration (5) POL 4450 Constitutional Law:Powers (5) POL 4451 Constitutional Law:Liberties (5)	5

POL 4641 Theories of Poltcl Sys:Ancient(5)	5
POL 4642 Theories of Politcl Sys:Modern(5)	
POL 4643 Methods of Political Analysis	5
POL 4899 Political Science Capstone	3
SECTION CREDITS REQUIRED	38
Select one course from the following:	
Course	Credits
POL 3125 Issue Seminar(3-5)	
POL 3440 Internatnl Peace & World Order(5)	
POL 3550 Social Darwinism and Politics(5)	3
POL 4911 Advanced Seminar:(1-5)	
POL 4940 Political Internships(1-15)	
SECTION CREDITS REQUIRED	3
Political Science Electives	10
TOTAL CREDITS REQUIRED	51

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

POLITICAL SCIENCE: INTERNATIONAL AFFAIRS TRACK

56 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

General Core: International Affairs Track	
Course	Credits
POL 1110 Introduction to Politics	5
GEO 1110 World Regional Geography	5
POL 2320 Comparative Political Systems	5
POL 4641 Theories of Poltcl Sys:Ancient(5)	5
POL 4642 Theories of Politcl Sys:Modern(5)	
POL 4643 Methods of Political Analysis	5
POL 4899 Political Science Capstone	3
SECTION CREDITS REQUIRED	28
Select at least two of the following:	
Course	Credits
GEO 3500 Geography of Natural Resources(5)	
POL 3320 Pol & Econ Developmt of Nations(5)	
POL 4310 International Political Economy(5)	8
POL 4911 Advanced Seminar:(1-5)	
SECTION CREDITS REQUIRED	8
Select at least two of the following:	

Course	Credits
POL 2330 International Relations (5)	10
POL 2642 Christianity & World Politics (5)	
POL 3170 Geopolitics (5)	
POL 3440 Internatnl Peace & World Order (5)	
POL 3670 Hist of Amer Foreign Relations (5)	
SECTION CREDITS REQUIRED	10
Electives (consult with advisor)	10
TOTAL CREDITS REQUIRED	56

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

POLITICAL SCIENCE: PUBLIC POLICY AND LAW TRACK

56 Credits Total, Including 25 Upper Division

[Suggested Course Sequence](#)

General Core: Public Policy and Law Track	
Course	Credits
POL 1110 Introduction to Politics	5
POL 2464 State & Local Politics	5
POL 2320 Comparative Political Systems	5
POL 3780 Law & Society	5
POL 4000 Public Policy & Administration	5
POL 4641 Theories of Poltcl Sys:Ancient (5)	5
POL 4642 Theories of Politcl Sys:Modern (5)	
POL 4643 Methods of Political Analysis	5
POL 4899 Political Science Capstone	3
SECTION CREDITS REQUIRED	38
Select three courses from the following:	
Course	Credits
GEO 3500 Geography of Natural Resources (5)	13
GEO 3677 The Nature of Cities (5)	
POL 2641 Christianity & Amer. Politics (5)	
POL 3320 Pol & Econ Developmt of Nations (5)	
POL 3410 Moral Foundations of Democracy (5)	
POL 3430 Pres & Congress: Pol Leadrshp (5)	
POL 3450 Pols, Parties & Interest Grps (3)	
POL 3550 Social Darwinism and Politics (5)	
POL 4450 Constitutional Law:Powers (5)	
POL 4451 Constutional Law:Liberties (5)	
SECTION CREDITS REQUIRED	13

Electives (consult with advisor)	5
TOTAL CREDITS REQUIRED	56

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

LEADERSHIP STUDIES MINOR

30 Credits Total, Including 15 Upper Division

Core Requirements	
Course	Credits
POL 2900 Foundations for Leadership	5
POL 4930 Leadership Minor Practicum	5
SECTION CREDITS REQUIRED	10
Organizations or Human Social Behavior Group	
Course	Credits
BUS 3439 Motivation & Leadership (5)	
BUS 3614 Organizational Behav for Manags (5)	
COM 4265 Organizational Communication (5)	
HIS 3670 Hist of Amer Foreign Relations (5)	
POL 3430 Pres & Congress: Pol Leadrshp (5)	
POL 3450 Pols, Parties & Interest Grps (3)	
POL 3780 Law & Society (5)	
PSY 3438 Social Psychology (5)	5
PSY 3439 Motivation & Leadership (5)	
PSY 3600 Small Group Leadership (3)	
PSY 4410 Cross-Cultural Psychology (3)	
SOC 2440 Small Group Dynamics (5)	
SOC 3215 Soc Inequality:Power & Privlge (5)	
SOC 3862 Racial & Ethnic Minorities (5)	
WST 2350 Introductn to Women's Studies (5)	
SECTION CREDITS REQUIRED	5
Foundations for Leadership: Moral, Ethical and Justice Group	
Course	Credits
BUS 3400 Business Ethics (5)	
COM 4177 Communication Ethics (5)	
GEO 2207 Economic Geography (5)	
GEO 3170 Geopolitics (5)	
HIS 3395 Eur Intellect Hist:Anselm-Marx (5)	
HIS 3405 Topics:History of Christianity (3-5)	
HIS 3406 Christianity in America (5)	
PHI 3601 Ancient Philosophy (5)	5
PHI 3702 Social Ethics (3)	
POL 2641 Christianity & Amer. Politics (5)	
POL 2642 Christianity & World Politics (5)	
POL 3170 Geopolitics (5)	
POL 3410 Moral Foundations of Democracy (5)	
SOC 3215 Soc Inequality:Power & Privlge (5)	
SOC 4260 Complex Organizations (5)	
SECTION CREDITS REQUIRED	5

Personal Development and Skills Group	
Course	Credits
BUS 2600 Managerial Communication (2)	
BUS 3620 Management Information Systems (5)	
BUS 3657 Human Resource Management (5)	
COM 2227 Small Group Disc & Leadership (5)	
COM 2323 Argumentation:Art of Inference (5)	
COM 3160 Conflict Management (5)	5
COM 3322 Persuasive Campaigns (5)	
POL 4000 Public Policy & Administration (5)	
PSY 2422 Psychology of Personal Growth (3)	
PSY 2470 Life Span Developmental Psych (5)	
PSY 3442 Psychology of Personality (5)	
SECTION CREDITS REQUIRED	5
One set below may be taken in place of above 2 groups:	
Course	Credits
POL 4641 Theories of Politcl Sys:Ancient (5)	10
POL 4643 Methods of Political Analysis (5)	
POL 4642 Theories of Politcl Sys:Modern (5)	10
POL 4643 Methods of Political Analysis (5)	
SECTION CREDITS REQUIRED	0
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

POLITICAL SCIENCE MINOR

30 Credits Total, Including 15 Upper Division

Select one Course from the following:	
Course	Credits
POL 2320 Comparative Political Systems (5)	
POL 2330 International Relations (5)	5
POL 3320 Pol & Econ Developmt of Nations (5)	
POL 4310 Internationl Political Economy (5)	
SECTION CREDITS REQUIRED	5
Select one course from the following:	
Course	Credits
POL 1120 American Government & Politics (5)	5
POL 2464 State & Local Politics (5)	
SECTION CREDITS REQUIRED	5
Select one course from the following:	
Course	Credits
POL 2641 Christianity & Amer. Politics (5)	
POL 2642 Christianity & World Politics (5)	
POL 3410 Moral Foundations of Democracy (5)	5
POL 4641 Theories of Politcl Sys:Ancient (5)	
POL 4642 Theories of Politcl Sys:Modern (5)	

POL 4643 Methods of Political Analysis (5)	
SECTION CREDITS REQUIRED	5
Political Science Core Requirements	
Course	Credits
POL 1110 Introduction to Politics	5
SECTION CREDITS REQUIRED	5
Upper Division Electives	10
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

GEOPOLITICS MINOR

30 Credits Total, Including 15 Upper Division

Geopolitics Minor Core Requirements	
Course	Credits
GEO 1110 World Regional Geography	5
GEO 3170 Geopolitics	5
SECTION CREDITS REQUIRED	10
Select at least one from the following:	
Course	Credits
GEO 2207 Economic Geography (5)	
POL 2320 Comparative Political Systems (5)	5
POL 2330 International Relations (5)	
POL 2642 Christianity & World Politics (5)	
SECTION CREDITS REQUIRED	5
Select at least TWO from the following:	
Course	Credits
GEO 3500 Geography of Natural Resources (5)	
GEO 4600 Public Policies on Ecotourism (3)	
GEO 4911 Advanced Seminar (1-5)	
GEO 4920 Directed Readings (1-5)	
GEO 4940 Internship (1-5)	10
POL 3320 Pol & Econ Developmt of Nations (5)	
POL 3440 Internatnl Peace & World Order (5)	
POL 4310 Internationl Political Economy (5)	
POL 4911 Advanced Seminar: (1-5)	
POL 4940 Political Internships (1-15)	
SECTION CREDITS REQUIRED	10
Choose one course from the Groups above	5
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

POLITICAL SCIENCE COURSE DESCRIPTIONS**BUS 2600 Managerial Communication (2) [Offerings](#)**

Prepares students for communicating effectively in organizations. Topics include writing concisely and clearly; writing effective reports and business correspondence, including email and memos; delivering oral presentations; and mastering presentation software.

BUS 3400 Business Ethics (5) [Offerings](#)

Prerequisite: UFDN 2000 or equivalent. Explores various ethical theories and their application to the practice of business. Gives particular emphasis to Christian ethics and focuses on individual ethical decision making.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.*

BUS 3439 Motivation & Leadership (5) [Offerings](#)

Prerequisite: BUS 3614 or PSY 1180. Presents the theories and principles of motivation and leadership with practical application in business, church, community, and educational settings.

Attributes: *Upper-Division* **Restrictions:** *Organizational Behavior, Psychology Majors are excluded.*

BUS 3614 Organizational Behavior for Managers (5) [Offerings](#)

An introduction to theory, research, and practice related to the management of human behavior in an organizational context. Course topics include individual characteristics, motivation, learning, communication, leadership, decision making, group dynamics, conflict, power, and politics. The course involves significant group activities and requires multiple oral presentations.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Computer Science, Economics, Food & Nutritional Sciences, Information Systems Majors only. Freshman students are excluded.*

BUS 3620 Management Information Systems (5) [Offerings](#)

Studies the processes for collecting, verifying, and processing information to assist management in making decisions to achieve the organization's goals. Software, hardware, networks, and electronic data interchange will be examined, with computer systems viewed as one part of the complete information system.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

BUS 3657 Human Resource Management (5) [Offerings](#)

An introduction to the management of human resources in organizations. Theory, research, and practice in the areas of human resources planning, job analysis and design, recruiting and staffing, training and development, performance appraisal, compensation, organization development, government regulation of HRM, and quality of work life will be studied.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.*

COM 2227 Small Group Disc & Leadership (5) [Offerings](#)

Develops awareness of and experience in the processes of small, co-acting group activity; examines and applies theories of structure, climate, roles, norms, and leadership in planning and managing member participation. Explores group effort in fact-finding, problem-solving, and decision making.

COM 2323 Argumentation:Art of Inference (5) Offerings

Examines ambiguity, analysis, evidence, observation and inference; applies principles of reasoning to significant issues through extensive practice in public discourse, questioning, response to questions, refutation, and negotiation.

COM 3160 Conflict Management (5) Offerings

Examines research in and techniques for conflict management. Includes theory, models, and case studies in conflict in interpersonal, organizational, and public contexts.

Attributes: *Upper-Division*

COM 3322 Persuasive Campaigns (5) Offerings

Evaluates the role of persuasion in society; the role of symbolic persuasion; production and reception of persuasive messages; the persuasive event and the persuasive campaign; ethical questions in social influence.

Attributes: *Upper-Division*

COM 4177 Communication Ethics (5) Offerings

Uses case studies to explore ethical foundations of media practice and to test methods of moral reasoning. Case studies consider business pressures, deception, truth telling, fairness, privacy, responsibility, and social justice in the news business; persuasion and truth telling in advertising and public relations; and the responsibilities of entertainment industries in areas such as taste, violence, gender, and race.

Attributes: *Upper-Division, Writing "W" Course*

COM 4265 Organizational Communication (5) Offerings

Examines how communication functions within organizations and explores use of communication to improve employee relationships and organizational effectiveness.

Attributes: *Upper-Division*

GEO 1110 World Regional Geography (5) Offerings

Provides familiarity with character of major world regions. Emphasizes variations in levels of economic development and resource distribution among nations, and appreciation for diversity of world cultures.

Attributes: *Social Science B*

GEO 2207 Economic Geography (5) Offerings

A geographic approach to studying economic activities and issues of poverty and wealth at local, national and global levels. Includes understanding classic theories in Geography of location analysis and economic base. Examines global trends in trade, creation of wealth, economic development, and economic justice issues. Helps students appreciate the role of Christian non-government organizations in building civil society and assisting community development.

Attributes: *Social Science B*

GEO 3170 Geopolitics (5) Offerings

Current world events are explored, from a variety of social-science disciplines (political science, history, economics and political geography). Topics vary, but always include an examination of Christian views on geopolitical conflicts and the role of international law in solving disputes.

Attributes: *Social Science B, Upper-Division* Restrictions: *Freshman students are excluded.*

GEO 3500 Geography of Natural Resources (5) Offerings

Examines geographic distribution and economic valuation of the earth's resources both within American

public-policy choices and at the international level. Compares notions of wise use, consumption, sustainability and stewardship in relation to Christian tradition.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

GEO 3677 The Nature of Cities (5) Offerings

Explores generally from multidisciplinary perspectives the character and content of cities from their origin to present pattern. Special emphasis is placed on the city theme in scripture. Topics include attitudes about cities over time, the spread of civilizations in history, the changing economic base of cities and selected contemporary land-use and urban planning problems. Students who have taken SBS 1677 may not take this course.

Attributes: *Social Science B, Upper-Division*

GEO 4600 Public Policies on Ecotourism (3) Offerings

Examines growing tourism and recreation sector in local, United States, and World economies through a geographic lense. Students will learn about international discussion of ecotourism certification standards and methods to measure impact of tourism on local communities. Particular attention will be give to burgeoning Christian programs for outdoor recreation.

Attributes: *Upper-Division, Writing "W" Course*

GEO 4911 Advanced Seminar (1-5) Offerings

Seminars studying theoretical or practical issues in geography and geopolitics. See current Time Schedule for topic. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman, Sophomore students are excluded.*

GEO 4920 Directed Readings (1-5) Offerings

Directed Readings

Attributes: *Upper-Division*

GEO 4940 Internship (1-5) Offerings

Internship

Attributes: *Upper-Division*

HIS 3395 Eur Intellect Hist:Anselm-Marx (5) Offerings

Surveys major thinkers and intellectual movements from scholasticism to Marxism, with emphasis on the historical context. Includes directed readings in primary sources.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3405 Topics:History of Christianity (3-5) Offerings

Specific topics will vary. Past topics have included "Western Spirituality: Heresy, Mysticism and Monasticism" and "Religion and Politics in the Third Reich". May be repeated for credit up to 10 credits.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3406 Christianity in America (5) Offerings

A survey of the development of American Christianity from the 17th century to the present. Explores the many expressions of Christianity that have taken root in American soil, with an emphasis on the interplay between Christianity and American culture. Particular attention will be given to the contemporary religious landscape, that is, to the varieties of American church life today.

Attributes: *Upper-Division*

HIS 3670 Hist of Amer Foreign Relations (5) Offerings

Studies the United States as a participant in the international system, from colonial dependency to superpower. Proposes a theoretical model for interpreting American foreign policy and applies this framework to historical events considered chronologically. Considers questions of morality in relation to foreign policy.

Attributes: *Social Science B, Upper-Division, Writing "W" Course* **Restrictions:** *Freshman students are excluded.*

PHI 3601 Ancient Philosophy (5) Offerings

Surveys the work of principally Greek philosophers emphasizing Plato and Aristotle. Some consideration may be given to pre-Socratics and post-Aristotelian developments, such as stoicism and Neoplatonism.

Attributes: *Upper-Division, Writing "W" Course*

PHI 3702 Social Ethics (3) Offerings

A philosophically rigorous examination of a series of contemporary moral issues such as abortion, surrogate motherhood, euthanasia, the death penalty, discrimination, affirmative action, economic justice, world hunger, welfare, the treatment of animals and the environment.

Attributes: *Upper-Division, Writing "W" Course*

POL 1110 Introduction to Politics (5) Offerings

Analyzes the theory and practice of politics by discussing different approaches to the nature of political knowledge and the significance that this knowledge has for political leadership and citizenship. Although the focus is primarily on political behavior in the United States, opportunity will be taken to examine political practices within other countries (comparative politics) and among other countries (international relations).

Attributes: *Social Science B*

POL 1120 American Government & Politics (5) Offerings

Surveys the founding principles of the American political system and examines the development and operation of major national institutions such as Congress, the presidency, the bureaucracy, the Supreme Court, political parties and the media.

Attributes: *Social Science B*

POL 2320 Comparative Political Systems (5) Offerings

Analyzes how nations are governed. Democracies, authoritarian systems and developing countries are studied in light of political analysis and with attention to basic questions of human well-being.

Restrictions: *Political Science Majors only.*

POL 2330 International Relations (5) Offerings

Introduces the international political system, contrasting concepts of national interest to increasing global interdependence. Discusses interactions among ideals and realities in national and global policy-making processes, and their relationship to individual citizens.

Attributes: *Social Science B*

POL 2464 State & Local Politics (5) Offerings

Analyzes contemporary state and local governmental institutions and how they operate within America's federal system. Special emphasis on public policy issues such as health care, crime, education, welfare and land use. Offered alternate years.

POL 2641 Christianity & Amer. Politics (5) Offerings

Explores the benefits and dangers of Christian involvement in American politics from the start of the nation to today. Topics addressed include the role of Christianity in America's founding, the reasons for religious liberty and practical guidelines for Christians seeking to influence public policy. Uses case studies of actual political controversies.

Attributes: *Social Science B*

POL 2642 Christianity & World Politics (5) Offerings

Explores the role of Christians in world politics from the early church to today. Topics include the changing relationship between church and state, the witness of Christians under totalitarianism, the development of the idea of religious liberty and political conflicts over social justice. Offered alternate years.

POL 2900 Foundations for Leadership (5) Offerings

This course examines the implications of the Christian faith for leadership. Of particular focus are issues of personal motivation, character and spirituality as they relate to interpersonal relations and organizational leadership. Required for the minor in leadership studies. Offered alternate years.

POL 3125 Issue Seminar (3-5) Offerings

Current and enduring national and world issues are analyzed in the context of political science methods, concepts and Christian ethical standards. Topic varies. (Example: "Morality and Politics.") Course may be taken again as long as the topic is different. May be repeated for credit 4 times.

Attributes: *Upper-Division*

POL 3170 Geopolitics (5) Offerings

Current world events are explored, from a variety of social-science disciplines e.g., political science, history, economics and political geography. Topics vary, but always include an examination of Christian views on geopolitical conflicts and the role of international law in solving disputes.

Attributes: *Social Science B, Upper-Division* Restrictions: *Freshman students are excluded.*

POL 3320 Pol & Econ Developmt of Nations (5) Offerings

Studies theories and experiences of "nation-building," both political and economic, primarily in Lesser Developed Countries. Evaluates concepts of authority, economic growth and human well-being, and the policies used to achieve these in different cultures and systems. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

POL 3345 Modern Russia (5) Offerings

Surveys Russian social, cultural and political history and development, examining the tsarist and Soviet eras for their enduring effects on current development and change in Russia today. Special attention is focused on the roles of women in Russian history and today.

Attributes: *Social Science B, Upper-Division, Writing "W" Course* Restrictions: *Freshman students are excluded.*

POL 3350 Modrn French Political Thought (5) Offerings

Reviews major themes of modern French liberalism from the French Revolution to the 20th century. Also introduces students to the major institutions of modern French politics. Special emphasis will be placed on the ideas and influence of Christian thinkers such as Pascal, Montesquieu, Tocqueville, Maritain and Weil. Taught summer only in Europe.

Attributes: *Arts and Humanities B, Upper-Division*

POL 3410 Moral Foundations of Democracy (5) Offerings

Reviews the classical, modern and Christian contributions to the development of Western democratic thought. Analyzes a wide range of critical political opinion and biblical literature in order to understand the moral foundations of Western democracy. Thinkers reviewed include Plato, Tocqueville, Augustine, Madison, Jefferson, Lincoln, Simons and Dahl. Offered alternate years.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman students are excluded.*

POL 3430 Pres & Congress: Pol Leadrshp (5) Offerings

Analyzes executive-legislative relations by reviewing Constitutional principles and the political culture of the Washington community, with emphasis on the presidency as an instrument of national leadership. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

POL 3435 Marxism:20thCent Theory & Prac (3) Offerings

Examines the development of varieties of Marxist theory and practice in the 20th century. Compares the

Soviet, European, Chinese and Latin American experiences with Marxist thought and practice. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

POL 3440 Internatnl Peace & World Order (5) Offerings

A study of conflict and conflict resolution in the international system, drawing upon resources from negotiation theory, peace studies, biblical models, international law and international organization, with analysis of varying world order models.

Attributes: *Social Science B, Upper-Division* Restrictions: *Freshman students are excluded.*

POL 3450 Pols, Parties & Interest Grps (3) Offerings

Examines the role of political parties in contemporary American government and the implications of weakened parties for governing. The place of interest groups and political action committees is also surveyed, with special attention to the roles PACS play in campaigns and elections. Offered alternate years. Students who are taking the course to fulfill the capstone requirement should enroll in POL 4899.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman students are excluded.*

POL 3550 Social Darwinism and Politics (5) Offerings

Explores the impact of Darwinism and scientific materialism on such fields as criminal justice, medicine, economics, welfare and education during the past century. Topics include eugenics, the Scopes trial, biological defenses in criminal law and evolutionary theories of morality. Offered alternate years.

Attributes: *Upper-Division, Writing "W" Course*

POL 3670 Hist of Amer Foreign Relations (5) Offerings

Studies the United States as a participant in the international system, from colonial dependency to superpower. Proposes a theoretical model for interpreting American foreign policy and applies this framework to historical events considered chronologically. Considers questions of morality in relation to foreign policy.

Attributes: *Social Science B, Upper-Division, Writing "W" Course* Restrictions: *Freshman students are excluded.*

POL 3780 Law & Society (5) Offerings

Studies the role of law in society and provides an introduction to the American legal system. Includes case studies of such issues as product liability, environmental law, civil disobedience and assisted suicide. Features guest speakers from the legal community. Especially recommended for students considering law school. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

POL 4000 Public Policy & Administration (5) Offerings

A study of public policy-making, with special attention paid to the policy process in its implementation and evaluation stages. Using case studies, analyses of specific policies are undertaken in such areas as budgeting, education, civil rights, energy and social services. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

POL 4310 Internationl Political Economy (5) Offerings

Examines the nature and dynamics of the global economy in relation to the economies and political systems of nations and to theories and models of national, regional and global economic growth. International trade, business and government policy are studied in this context. Offered alternate years.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

POL 4450 Constitutional Law:Powers (5) Offerings

A study of the U.S. Constitution and the Supreme Court, and the role of "constitutional" law in American government and society, with special attention given to cases dealing with federalism and separation of powers. Recommended for students interested in law school. This course is offered every other year, alternating with POL 4451.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

POL 4451 Constitutional Law:Liberties (5) Offerings

A study of the U.S. Constitution and Supreme Court and the role of "constitutional" law in American government and society, with special attention given to cases dealing with civil liberties and civil rights. Recommended for students interested in law school. This course is offered every other year, alternating with POL 4450. It may be taken as a stand-alone course or in sequence with POL 4450.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

POL 4641 Theories of Poltcl Sys:Ancient (5) Offerings

Explores major themes of normative political thought by reviewing key works of such thinkers as Plato, Aristotle and Augustine. Reviews the nature of justice and governance, of citizenship and obedience, and examines a variety of Christian perspectives on these issues.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Freshman students are excluded.*

POL 4642 Theories of Politcl Sys:Modern (5) Offerings

Explores major themes of normative political thought by reviewing the key works of such thinkers as Aquinas, Machiavelli, Locke and Rousseau. Reviews the nature of justice and governance, of citizenship and obedience, and examines a variety of Christian perspectives on these issues.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Freshman students are excluded.*

POL 4643 Methods of Political Analysis (5) Offerings

Explores approaches and methods by which political scientists work with empirical evidence to develop knowledge and theory about the nature of political behavior in society. Students are strongly encouraged to take this course during their junior year whenever possible.

Attributes: *Upper-Division* **Restrictions:** *Political Science Majors only. Freshman students are excluded.*

POL 4899 Political Science Capstone (3) Offerings

Provides an in-depth exploration of a specific issue or topic so that graduating seniors can synthesize and apply the knowledge and skills they have acquired while studying political science. For specific course and topic information, see Catalog and Online Time Schedule descriptions of POL 3450, POL 4911 and POL 4950. Political Science majors who are taking this course to meet the capstone graduation requirement should enroll in POL 4899; all other students should enroll in the equivalent course number.

Attributes: *Upper-Division* **Restrictions:** *Political Science Majors only. Senior students only.*

POL 4900 Independent Study (1-5) Offerings

Prerequisites: Junior standing; at least 15 credits in political science. Designed to develop intensive examination of selected areas of interest in political thought, institutions or behavior through a program of directed readings and/or research approved by a political science faculty member. (Maximum of 10 credits applicable to POL major.) May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

POL 4911 Advanced Seminar: (1-5) Offerings

Prerequisite: Upper-class standing. Seminars studying theoretical and/or practical issues in politics, government and political science. See current Time Schedule for topics. Students who are taking this course to fulfill the capstone requirement should enroll in POL 4899. May be repeated for credit up to 25 credits.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Freshman students are excluded.*

POL 4920 Directed Readings (1-5) Offerings

Directed readings to be arranged with the instructor of the course. Consists of a bibliography compiled with assistance of instructor and a corresponding number of critical review essays of the readings. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

<p>POL 4930 Leadership Minor Practicum (1-5) Offerings</p> <p>Prerequisite: Admission to minor. Provides faculty/staff oversight of co-curricular experience in campus leadership positions (defined as those advised within Office of Student Life or Campus Ministries). Instruction via learning contract, readings, assignments and meetings with instructor. May be repeated for credit up to 10 credits.</p> <p><u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>POL 4931 Political Science Practicum (1-5) Offerings</p> <p>Political Science Practicum May be repeated for credit up to 5 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>POL 4940 Political Internships (1-15) Offerings</p> <p>Prerequisites: Junior standing and at least 15 credits in political science. Provides opportunities for practical experience in national, state or local governmental bodies and agencies or political organizations. Available with a program designed in advance and approved by a political science faculty member. (Maximum of 10 credits applicable to POL major.) May be repeated for credit up to 30 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>POL 4950 Special Topics (1-5) Offerings</p> <p>Students who are taking this course to fulfill the capstone requirement should enroll in POL 4899. May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>PSY 2422 Psychology of Personal Growth (3) Offerings</p> <p>Prerequisite: PSY 1180. Views adjustive processes in terms of coping with struggles in life. Building on an understanding of adjustment, growth and self, the course explores coping strategies dealing with physical, cognitive, emotional and social influences.</p>
<p>PSY 2470 Life Span Developmental Psych (5) Offerings</p> <p>Prerequisite: PSY 1180. Surveys human development from conception to death, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within social and cultural contexts, including developmental tasks and transitions associated with developmental stages.</p>
<p>PSY 3438 Social Psychology (5) Offerings</p> <p>Prerequisite: PSY 1180. Examines human thought, emotion, and behavior in social contexts. Major topics include impression formation, social cognition, attribution, self, attitudes, persuasion, prejudice, conformity, group behavior, aggression, helping, attraction, and interpersonal relationships. SOC 4440 may be substituted for PSY 3438 in the psychology major, although PSY 3438 is the recommended course. Students may not receive credit for both PSY 3438 and SOC 4440.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PSY 3439 Motivation & Leadership (5) Offerings</p> <p>Prerequisite: PSY 1180. Presents the theories and principles of motivation and leadership as an introduction to the field of industrial/organizational psychology with practical applications in business, church, community and educational settings.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PSY 3442 Psychology of Personality (5) Offerings</p> <p>Prerequisite: PSY 1180. Surveys the major theoretical views of personality with emphasis on comparison, contrast and practical implications for improving the understanding of self and others.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>PSY 3600 Small Group Leadership (3) Offerings</p>

Prerequisite: PSY 1180. Focuses on theory and applications of research regarding small-group interaction and leadership. Will provide students with practical supervised experience in group leadership.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

PSY 4410 Cross-Cultural Psychology (3) [Offerings](#)

Prerequisite: At least one introductory course in the social and behavioral sciences. A comparative study of perception, cognition and life span development in non-Western cultures. Special focus is placed on understanding Western and non-Western worldviews and their relationship to such topics as child rearing practices, psychosocial adjustment and spiritual expression.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

SOC 2440 Small Group Dynamics (5) [Offerings](#)

Examines the small group as the primary source of social order. This course explores the internal processes of small groups, the impact of small groups on their individual members, and the relationship of small groups to larger social structures.

SOC 3215 Soc Inequality:Power & Privlge (5) [Offerings](#)

SOC 1110 is a recommended prerequisite for this course. Analyzes societal organization based on residence, occupation, community, class and race, power structure in the community, and social-mobility patterns. Offered alternate years.

Attributes: *Upper-Division*

SOC 3862 Racial & Ethnic Minorities (5) [Offerings](#)

SOC 1110 is a recommended prerequisite for this course. Comparative study of the nature of minority relations, methods and problems of group adjustment, and positions of various minority groups in the United States and other multiracial societies.

Attributes: *Upper-Division*

SOC 4260 Complex Organizations (5) [Offerings](#)

Provides a sociological perspective on the structure and process in formal complex organizations as they are found in all segments of our society; intended to give the basis for the management, development and analysis of these kinds of organizations. Offered alternate years.

Attributes: *Upper-Division*

WST 2350 Introductn to Women's Studies (5) [Offerings](#)

This course looks at women's autobiographies, introduces theoretical approaches to gender, and offers an interdisciplinary survey of women's issues relating to such areas as the church, spirituality, economics, health, vocation, social and political activity, and literary and artistic expression.

POLITICAL SCIENCE DEPARTMENT FACULTY

Braden, Kathleen Elizabeth. Professor of Geography; B.A., Boston University 1972; Master of Arts, University of Washington 1974; Doctor of Philosophy, University of Washington 1981. At SPU since 1982. ([Contact Info](#))

Brust, Steven J. Assistant Professor of Political Science; B.S., University of California Los Angeles 1989; Master of Arts, Catholic University America 2001; Doctor of Philosophy, Catholic University America 2006. At SPU since 2006. ([Contact Info](#))

Davis, Reed Marlin. Department Chair of Political Science / Professor of Political Science; B.A., University Pennsylvania Coll Gen Std 1978; Master of Arts, University Pennsylvania Coll Gen Std 1978; Doctor of Philosophy, University of Virginia 1991. At SPU since 1989. ([Contact Info](#))

Durasoff, Douglas. Professor of Political Science; B.A., Michigan State University 1966; M.Phil., Yale University 1969; Doctor of Philosophy, Yale University 1978. At SPU since 1986. ([Contact Info](#))

Ediger, Ruth Marie. Associate Professor of Political Science; B.A., Pacific Lutheran University 1988; Master of Arts, University of Nebraska Omaha 1991; Doctor of Philosophy, University of Nebraska Omaha 1996. At SPU since 2002. ([Contact Info](#))

PRE-LAW

www.spu.edu/depts/polisci/prelaw.htm

Reed Davis, Advisor

Seattle Pacific University provides assistance to students considering law school through a pre-law advising program sponsored by the Department of Political Science and Geography. Pre-law is not a major and therefore has no required courses. However, all students considering law school are strongly encouraged to take the three-course sequence of POL 3780 Law and Society; POL 4450 American Constitutional Law: Federalism and Separation of Powers; and POL 4451 American Constitutional Law: Civil Liberties and Civil Rights. (Each course is offered on alternate years.)

In addition, students should request from the pre-law advisors a copy of the handout, "Pre-Law at SPU," which lists all law-related courses offered by SPU, as well as important information about the Law School Admission Test (LSAT), legal internships, and student membership in the Christian Legal Society. Students interested in a legal career should contact the pre-law advisors in the Political Science Department as early as possible during their study at SPU. The pre-law advisors will assist pre-law students in choosing a major and a course of study appropriate to law school. They will also advise students about how to prepare for the LSAT. For more information, contact Professor Reed Davis at 206-281-2395 or rdavis@spu.edu.

Recommended Courses for Pre-Law Students

All pre-law students are encouraged to take the following three-course sequence:

*POL 3780 Law and Society (5)

*POL 4450 American Constitutional Law: Federalism and Separation of Powers (5)

*POL 4451 American Constitutional Law: Civil Liberties and Civil Rights (5)

Pre-law students are also encouraged to take other law-related courses at SPU as their schedule permits. These include:

BUS 2414 Legal Environment of Business (5)

BUS 3414 Business Law (5)

JRN 3301 Media Law (5)

SOC 3371 Crime and Delinquency (5)

SOC 4250 Sociology, Policy, and Law (5)

In addition, pre-law students are encouraged to take courses that strengthen their skills of writing, speaking, and analysis, which are crucial to success in law school and the legal profession. Some of these courses include:

COM 1321 Public Speaking (5)

COM 2323 Argumentation: The Art of Inference (5)

COM 3321 Advanced Public Speaking (5)

COM 3628 Foundations of Western Rhetoric (5)

PHI 1001 The Power of Logic (5)

PHI 2001 Advanced Logic (3)

ENG 2201 Intermediate College Writing (3)

ENG 3301 Advanced Expository Writing (3)

JRN 2101 Introductory Newswriting (4)

JRN 2202 Public Affairs Reporting (4)

*Note: Each of these courses is offered on alternate years.

SOCIOLOGY

Alexander Hall
206-281-2158
www.spu.edu/depts/soc/

FACULTY: [David Caddell](#), [David Diekema](#), [Jennifer L McKinney](#), [Kevin L Neuhouser](#), [Karen A Snedker](#), [Timothy A Ulrich](#)

The Department of Sociology offers a major and a minor in sociology.

Sociology is the systematic study of societies and the groups and institutions that compose them. The central premise of sociology is that the individual cannot be understood apart from societal and interpersonal contexts. Therefore, coursework is designed to help students gain perspective on themselves and the world around them through an analysis of social structure and culture.

SPU students majoring in sociology have secured positions in government, business, industry, and private research agencies. Others hold jobs in planning agencies and research departments of city, county, state, and federal government and religious organizations, law enforcement agencies, and many other settings. The sociological perspective has also proven invaluable for students entering any of the helping professions. Many graduates take entry-level positions in the areas of child welfare, mental health, gerontology, delinquency, and in programs that alleviate poverty. Advanced positions in these areas often require graduate training.

Admission to the Major or Minor

To qualify for admission to the major, a student must have a 2.5 minimum SPU GPA and 15 credits of completed work in the discipline.

Requirements for the Sociology Major

A maximum of 10 credits of SOC 4940 can apply to the major.

Note: Students in the sociology major are strongly encouraged to take the core courses in sequence — introduction, statistics, methods, theory, and then capstone. With the help of their advisors, students should create a plan that includes the combination of elective courses that will best prepare them to achieve their career and life goals.

Requirements for the Sociology Minor

SOC 4940 does not apply to the minor.

Note: Students should consult a sociology advisor to create a course of study that best accommodates their educational program.

SOCIOLOGY MAJOR

53 Credits Total, Including 25 Upper Division

Suggested Course Sequence

Required Core Courses	
Course	Credits
SOC 1110 Introduction to Sociology	5
MAT 1360 Introduction to Statistics (5) SOC 2360 Intro to Stats Soc & Behav Sci (5)	5
SOC 3751 Intro to Research Methods	5
SOC 4702 Classical Sociological Theory	5

SOC 4899 Sociology Capstone Seminar	3
SECTION CREDITS REQUIRED	23
Electives	30
TOTAL CREDITS REQUIRED	53

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

SOCIOLOGY MINOR

30 Credits Total, Including 15 Upper Division

Sociology Minor Core Requirements	
Course	Credits
SOC 1110 Introduction to Sociology	5
MAT 1360 Introduction to Statistics (5) SOC 2360 Intro to Stats Soc & Behav Sci (5)	5
SECTION CREDITS REQUIRED	10
Electives in Sociology	20
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

SOCIOLOGY COURSE DESCRIPTIONS

<p>MAT 1360 Introduction to Statistics (5) Offerings</p> <p>Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. Explores descriptive statistics, elementary probability, binomial and normal distributions, sampling, estimating parameters, testing hypotheses, regression, and correlation.</p> <p><u>Attributes:</u> <i>Mathematics (MAT)</i></p>
<p>SOC 1110 Introduction to Sociology (5) Offerings</p> <p>Basic principles for understanding social relationships. This course is a comprehensive introduction to the field of sociology, including analyses of the mutual interaction of society and the individual; major theoretical perspectives; methods for obtaining sociological knowledge; and major problems and issues that confront societies. Note: Emphasis from a United States, Third World, or social problems perspective will be offered in different sections. The Sociology Department will be able to identify which course has which emphasis.</p> <p><u>Attributes:</u> <i>Social Science A</i></p>
<p>SOC 2000 Sociology of Gender (5) Offerings</p> <p>Explores the nature and effects of gender in society. Looking closely at culture and history, the course also explores the assumptions about the expected roles of men and women in society and how these gender roles are assigned, managed, displayed, and reinforced by social institutions.</p>

SOC 2252 Marriage and the Family (5) [Offerings](#)

Surveys the family as an institution and a mode for personal living: marital adjustment, parent-child relationships, changing family patterns, and family disorganization and reorganization.

SOC 2310 Foundations of Social Services (5) [Offerings](#)

This course is intended to be an introduction to social services, social welfare policy, and the profession of social work in the United States. Social welfare programs designed to ameliorate or reduce the impact of social problems including poverty, child maltreatment, delinquent behavior, mental illness, or problems associated with growing old will be explored. The role of human service providers, especially social workers, is a cornerstone of the course. Liberal, conservative, and radical political ideologies and the differing approaches to solving social problems will be discussed. The intersection of faith/religion and social services is integrated into all course content.

Attributes: *Social Science A*

SOC 2360 Intro to Stats Soc & Behav Sci (5) [Offerings](#)

Prerequisites: SOC 1110 and pass SPU Math Proficiency exam or complete remedial course sequence. Presents the conceptual basis and application of statistical analysis in social and behavioral research. Includes descriptive statistics, correlation and regression, hypothesis testing and inferential statistics. An introduction to analysis of variance and non-parametric statistics will also be provided.

Attributes: *Mathematics (MAT)* Restrictions: *Psychology, Sociology Majors only.*

SOC 2440 Small Group Dynamics (5) [Offerings](#)

Examines the small group as the primary source of social order. This course explores the internal processes of small groups, the impact of small groups on their individual members, and the relationship of small groups to larger social structures.

SOC 2620 Urban Sociology (5) [Offerings](#)

An introduction to the study of cities and urban life, this course will study historical developments of cities, theories about cities, and the ongoing processes of life in an urban context. A range of sociological methods, including ethnography, qualitative interviews and quantitative studies will provide perspectives on key urban questions.

SOC 3215 Soc Inequality:Power & Privilege (5) [Offerings](#)

SOC 1110 is a recommended prerequisite for this course. Analyzes societal organization based on residence, occupation, community, class and race, power structure in the community, and social-mobility patterns. Offered alternate years.

Attributes: *Upper-Division*

SOC 3270 Socialization (5) [Offerings](#)

SOC 1110 is a recommended prerequisite for this course. Socialization is the process by which individuals develop into social beings. Various theories of socialization and human development will be utilized to explore the role played by social structure and institutions in the integration of the individual into society. We will examine infant and early childhood socialization, the role of the media and social institutions in socializing children and adults, adult stages of development, and the role of history in socializing cohorts of people.

Attributes: *Upper-Division*

SOC 3370 Sociology of Deviance (5) [Offerings](#)

SOC 1110 is a recommended prerequisite for this course. Examines a variety of deviant behavior such as alcohol abuse, drug use, mental illness, violent crime, homosexuality, and prostitution. The course focuses on issues of social definition and causal explanation.

Attributes: *Upper-Division*

<p>SOC 3371 Crime & Delinquency (5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Studies crime and delinquency in modern society, focusing on both individual and social causes.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SOC 3410 Medical Sociology (5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. The study of the relationships between social institutions and the development of medicine as a profession. Also studied is the social demography of health, doctor-patient interactions, and ethical dilemmas developing from rapid technological advances.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SOC 3420 Political Sociology (5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. This course is an introduction to "political sociology," the analysis of the interaction between politics, society, and economy. To focus the analysis, the course is oriented by two questions: What is the social basis of political power? What is the social basis for democratic regime stability or instability?</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SOC 3750 Latin America (5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Traces the history of Latin America with particular attention to the development of political, economic, social, and religious institutions.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>SOC 3751 Intro to Research Methods (5) Offerings</p> <p>Prerequisite: SOC 2360 or MAT 1360, SOC 1110 is also a recommended. Explores the development of social research, the nature of scientific inquiry, basic methodological techniques, and examines representative sociological and political studies from the standpoint of methodology. Note: PSY 3588 may be substituted for SOC 3751 in sociology and related majors although SOC 3751 is the preferred course. Students may not receive credit for both SOC 3751 and PSY 3588.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Sociology Majors only. Freshman, Sophomore students are excluded.</i></p>
<p>SOC 3862 Racial & Ethnic Minorities (5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Comparative study of the nature of minority relations, methods and problems of group adjustment, and positions of various minority groups in the United States and other multiracial societies.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SOC 4210 Gender in the Global Context (5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. An exploration into the variety of conditions that constrain the material, social and spiritual well-being of women around the world. The course will examine how contemporary global processes of social and economic change impact women and how "development" could better address their needs.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Junior, Senior students only.</i></p>
<p>SOC 4250 Law and Society (5) Offerings</p> <p>This advanced course examines the relationship between law and society, situating law within the broader socio-political context. Specifically, the course explores how law shapes and is shaped by individuals, groups, organizations, and various levels of government. The course covers theoretical approaches to the sociology of law, the role of law in modern society, and law and social change. This goal is to encourage and facilitate critical thinking about law and society. It is not a technical course on practicing law, but a sociological perspective of law.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>SOC 4252 Sociology of Family (5) Offerings</p>

SOC 1110 is a recommended prerequisite for this course. This is an advanced course exploring the nature of the institution of the family in society. In general, the course will examine the evolution of the family over time as well as current issues and crises as they may be applicable to public policy. In addition, we will examine current debates and questions in the field of family sociology. The goal of this course is to provide the student an understanding of the family as a social institution in American life.

Attributes: *Upper-Division*

SOC 4308 Helping Relationships: Theory & Skills (5) Offerings

SOC 1110 is a recommended prerequisite for this course. This course examines the knowledge base and practice skills necessary to the development of effective client/helper relationships in the human-service professions. Students will simultaneously focus on two areas of learning. The first level pertains to understanding the steps and key skills necessary to successfully utilize a task-centered model of problem solving. This includes an introduction to and practicing of basic interviewing skills, especially active listening and the effective use of questions. The second level of learning is directed at assisting students to deepen their degree of self awareness pertaining to their values, family histories, religious beliefs, and biases that might facilitate or create barriers in building effective helping relationships with clients. The class material will touch on the importance of diversity issues prevalent in our society such as gender, ethnicity, race, religious, and sexual distinctions.

Attributes: *Upper-Division*

SOC 4380 Social Service Organizations (5) Offerings

SOC 1110 is a recommended prerequisite for this course. This course is intended to be an overview of the methods, structures and goals for delivering social services to people in need. The first portion of the quarter will focus on social service methods such as the delivery of services to individuals and families, groups, communities and social services delivered through the church. The second portion of the quarter will be devoted to examining human-service agencies. Topics that will be covered are funding sources, bureaucratic structure, organization goals for clients, client-organization relationships, worker-client relationships, and worker burnout.

Attributes: *Upper-Division*

SOC 4440 Social Psychology (5) Offerings

SOC 1110 is a recommended prerequisite for this course. Studies the relationship between the individual and the group. Includes the major theories, methodological approaches, and substantive areas of investigation that figure prominently in social psychology (e.g., social interaction, gender, deviance, aggression, conformity, etc.). PSY 3438 may be substituted for SOC 4440 in the sociology major, although SOC 4440 is the recommended course. Students may not receive credit for both SOC 4440 and PSY 3438.

Attributes: *Upper-Division*

SOC 4702 Classical Sociological Theory (5) Offerings

SOC 1110 is a recommended prerequisite for this course. Explores the major theoretical issues raised by classical theorists such as Weber, Simmel, Marx, Durkheim, and Mead, and their influence on contemporary social theory.

Attributes: *Upper-Division, Writing "W" Course*

SOC 4703 Contemp Sociological Theory (5) Offerings

SOC 1110 is a recommended prerequisite for this course. This is an introduction to the major contemporary theoretical programs in sociology (e.g., exchange approaches, symbolic interactionism, structural theories, and feminist theories). Emphasis will be placed on the basic assumptions and elemental ideas of the various theories, and the relevance of these ideas for understanding contemporary society.

Attributes: *Upper-Division*

SOC 4820 Sociology of Religion (5) Offerings

SOC 1110 is a recommended prerequisite for this course. An analysis of religion as a social form including the rise of Christianity; religious social perspectives; conversion and commitment processes; sect and cult; charisma and its routinization; religion and inequality; secularization; and social change.

Attributes: *Upper-Division*

<p>SOC 4899 Sociology Capstone Seminar (3) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Provides an opportunity for students to reflect upon the discipline of sociology, what they have learned in their sociological studies, and the significance of sociology in providing an ongoing perspective for understanding the world. Further, students will be asked to think about how their faith perspective intersects with a sociological approach to understanding human life. Appropriate readings will be assigned to facilitate thought and discussion.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Sociology Majors only. Senior students only.</p>
<p>SOC 4900 Independent Study (1-5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 6 credits.</p> <p><u>Attributes:</u> Upper-Division</p>
<p>SOC 4910 Seminar (1-5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Provides a seminar experience in emerging and in specialized topics within sociology such as family violence, death and dying, etc. This course is designed primarily for Sociology majors; however, if you are interested in taking the course and are not a sociology major, please contact the instructor to request an override. May be repeated for credit up to 12 credits.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Sociology Majors only.</p>
<p>SOC 4920 Readings in Selected Fields (1-5) Offerings</p> <p>Prerequisites: 15 upper-division credits of B work in the discipline; SOC 1110 is also recommended. May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> Upper-Division</p>
<p>SOC 4930 Practicum in Sociology (1-15) Offerings</p> <p>Prerequisites: SOC 2310, or SOC 4310 and SOC 4308 and SOC 4380. SOC 4308 or SOC 4380 may be taken concurrently; SOC 1110 is also recommended. Provides field experience for those students seeking opportunities in direct services, particularly in the area of case management. These students will relate sociological methods and social-work skills to an applied setting. A learning contract describing learning objectives must be developed by the student and approved by the faculty sponsor. Additional information and all placement approvals are obtained from the internship coordinator for the Sociology Department. A maximum of 10 credits may apply to the major and no credits may apply to the minor. May be repeated for credit up to 15 credits.</p> <p><u>Attributes:</u> Upper-Division <u>Co-Requisite:</u> SOC 4941 <u>Restrictions:</u> Freshman, Sophomore students are excluded.</p>
<p>SOC 4940 Internship in Sociology (1-5) Offerings</p> <p>For students wanting to work in social services, it is highly recommended that SOC 2310 and SOC 4308 be taken prior to doing an internship. Provides opportunities for students to integrate course learning with applied field experience from social services to sociological research. Twenty-five hours of field work will be completed for each credit (a minimum of 3 hours per week per credit). A minimum of 5 hours per week of field work is required for all internships. A maximum of 10 credits may be applied to a Sociology major and no credits may apply to a Sociology minor. May be repeated for credit up to 15 credits.</p> <p><u>Attributes:</u> Upper-Division <u>Co-Requisite:</u> SOC 4941 <u>Restrictions:</u> Freshman, Sophomore students are excluded.</p>
<p>SOC 4941 Practicum/Internship Seminar (1-5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Provides a seminar experience for students who are currently enrolled in either an internship or practicum course in sociology. The class is student directed and topics discussed are related to the student's field experience. May be repeated for credit up to 5 credits.</p> <p><u>Attributes:</u> Upper-Division</p>
<p>SOC 4970 Independent Research (1-5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Prerequisite: B work in the discipline. A</p>

maximum of 10 credits may apply to the major and no credits may apply to the minor. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division*

SOCIOLOGY DEPARTMENT FACULTY

Caddell, David. Associate Professor of Sociology; B.A., Calif Baptist University 1986; Master of Arts, Calif State University Fullerton 1989; Doctor of Philosophy, Purdue University Calumet 1992. At SPU since 1994. ([Contact Info](#))

Diekema, David. Associate Professor of Sociology; B.A., Calvin College 1982; Master of Arts, University of Wisc Milwaukee 1985; Doctor of Philosophy, University of Iowa 1990. At SPU since 1992. ([Contact Info](#))

McKinney, Jennifer L. Assistant Professor of Sociology; Director of Women's Studies; B.A., Kentucky Wesleyan College 1991; Master of Science, Purdue University West Lafayette 1995; Doctor of Philosophy, Purdue University Calumet 2001. At SPU since 2001. ([Contact Info](#))

Neuhouser, Kevin L. Department Chair of Sociology / Professor of Sociology; B.A., Taylor University Ft Wayne 1980; Master of Arts, Indiana University Bloomington 1986; Doctor of Philosophy, Indiana University Bloomington 1990. At SPU since 1996. ([Contact Info](#))

Snedker, Karen A. Assistant Professor of Sociology; B.A., University of Calif Santa Barbara 1996; Master of Arts, New York University 1999; Doctor of Philosophy, New York University 2003. At SPU since 2006. ([Contact Info](#))

Ulrich, Timothy A. Assistant Professor of Sociology; B.A., Concordia University NE 1991; Master of Arts, University of Nebraska Omaha 1994. At SPU since 2003. ([Contact Info](#))

GENERAL STUDIES

The general studies major is available to students in good academic standing who have a cumulative college GPA of 2.5. Seventy-five credits selected from three disciplines related to the student's degree objectives are required for the major. A statement of rationale and a major contract are required and must be submitted to [Student Academic Services](#) for review by academic departments. At least 20 credits, but not over 35 credits, will be applied in each discipline. A minimum of 35 credits must be upper-division. No grade below a C- will apply to the major. For more information, contact undergraduate academic counseling in Student Academic Services at 206-281-2021.

PROFESSIONAL STUDIES

The Professional Studies program is for students transferring to Seattle Pacific University with an approved technical or professional degree from the community college system. This program allows students to receive a bachelor's degree by completing liberal-arts requirements and a minor. A maximum of 90 community college credits are transferred into this program.

Admission to the Major or Minor

Students are admitted to the University and the professional studies major simultaneously. Students must meet all prerequisites for the minor as well as specific minor requirements. Minor requirements are listed within the discipline.

Requirements for the Professional Studies Major

53–60 credits, plus a minimum of 30 credits in a minor

See [Curriculum for Special Programs](#) (pdf).

Students must complete the following:

- 10 credits in Foundations.
- 5 credits in a class designated as "W."
- All general education requirements.
- At least 30 credits in a minor.
- Minimum of 180 college-level credits.
- Minimum of 60 upper-division credits (3000–4999).

STUDENT-DESIGNED MAJOR

Student-designed majors are intended for students with high academic achievement with a particular interest crossing the boundaries of disciplinary majors. A student may design an individualized major of courses selected from the various disciplines that apply to their special interest. Once a student has discussed a possible special major with a faculty advisor, he or she should submit the student-designed major application form, proposed program, a statement of purpose and rationale, and an advisor's and school's signature of approval to the Undergraduate Policy and Evaluation Committee. The proposal should provide evidence that the student has considered courses or learning experiences that will provide an opportunity to integrate content and skills from the various disciplines in his or her program. The committee may suggest changes, but once the proposal has been approved a contract will be placed in the student's file in [Student Academic Services](#).

A student must have a minimum SPU cumulative GPA of 3.0 to apply for a student-designed major. A student-designed major must be applied for no later than the first quarter of a student's junior year. Student-Designed Major [application forms](#) (pdf) are available from Student Academic Services in Demaray Hall 120. All standards governing a major as described elsewhere in the *Catalog* will apply to student-designed programs.

University Scholars

(The Honors Program)

Luke Reinsma, Director

The [University Scholars](#) program at Seattle Pacific University replaces the Common Curriculum and the Exploratory Curriculum for selected students who are highly motivated to pursue an intense academic program studying great works of art, literature, philosophy, social science, and natural science in their historical contexts. University Scholars courses are rigorously interdisciplinary and offer intensive peer discussion. The program's goal is to create a community of self-motivated scholars engaged in thoughtful cross-disciplinary conversation, writing, and action on issues facing the church and the world.

Admission is based on test scores and high school GPAs; a limited number of high school seniors are invited to apply to the program. Students who are highly motivated to participate in the program, but who do not receive an initial invitation at admission, should contact the director to apply directly for entry. A few students may be admitted into the program during their first year of study. [\[Back to top\]](#)

Requirements for University Scholars Program

University Scholars must meet the same competency requirements in math, writing, and foreign language required of all undergraduates. Also, like all students, University Scholars must complete a major and have 180 credits to graduate, including 60 credits in courses numbered 3000 or above, 8 credits of which must be "W" credits. University Scholars are required to take a special sequence of USCH courses (listed below) in place of the Common Curriculum and Exploratory Curriculum, and to take three Foundations courses.

University Scholars

46 credits including one lab science course

USCH 1000 University Scholars Seminar	5
USCH 1111 Texts and Contexts I	5
USCH 1112 Texts and Contexts II	5
USCH 1113 Texts and Contexts III	5
USCH 1114 Texts and Contexts IV	5
USCH 3910 Faith and Science I	5
USCH 4910 Faith and Science II	5
USCH 4950 Christianity and Scholarship	2
USCH 4960 Honors Project I	0-2
USCH 4965 Honors Project II	2-4
PHY 1111 University Scholars Physics	5

Students who have taken physics in high school may satisfy this requirement with any other college-level, lab-science course. Credit received for AP, IB, or CLEP scores will not fulfill this requirement.

A maximum of 4 credits is allowed in Honors Project I and/or II.

University Foundations

15 credits

UFDN 1000 Honors Christian Formation	5
UFDN 2000 Christian Scriptures	5
UFDN 3100 Christian Theology	5
Total	61

Special features and conditions of the program:

1. Prior to enrolling in USCH 3910 Faith and Science I, University Scholars must take at least one quarter of physics (PHY 1111); or, if they have had high school physics, they may take any other lab science course.
2. University Scholars will take a special honors section of UFDN 1000 during their sophomore year. They will then enroll in any section of UFDN 2000 and 3100 that best fits their schedule.
3. The Honors Project involves 4 credits of individual scholarly work in a subject related to a student's major, undertaken with the assistance of a faculty mentor and completed during the senior year. Projects or papers that fulfill this requirement must meet disciplinary standards, discuss the relationship of faith and learning, be approved by the director of University Scholars, and be completed prior to graduation. Honors Projects are given special recognition at Commencement.
4. University Scholars are required to maintain a minimum of a GPA of 3.2 or better to remain in the program.

5. Students wishing to leave the program must submit a letter of resignation to the director. They will immediately become subject to the Common Curriculum and Exploratory Curriculum requirements. They will not lose credit previously earned by successful completion of examinations, such as CLEP or Running Start. University Scholars courses taken in the first and second year transfer into either the Common Curriculum or the Exploratory Curriculum at Seattle Pacific.
6. Special service to the SPU community should be a high priority for University Scholars. Each year, the graduating senior who best exemplifies the high ideals of the USCH program is honored with the Wesley E. Lingren Award in honor of the founding director. [\[Back to top\]](#)

University Scholars Courses

USCH 1111 Texts and Contexts I (5) Examines and discusses great works of ancient Greece and Rome in historical context, including Homer's *Iliad*, Thucydides' *History of the Peloponnesian War*, Plato's *Republic*, and Virgil's *Aeneid*, in order to consider the transition from a society based on honor. Open to University Scholars only.

USCH 1112 Texts and Contexts II (5) Prerequisite: USCH 1111. Examines and discusses several texts from the Middle Ages and Renaissance Europe in historical context, including Augustine's *Confessions*, Aquinas's *Summa Theologica*, Dante's *Inferno*, Shakespeare's *Merchant of Venice*, and Milton's *Paradise Lost* in order to investigate ways of knowing God, the nature of leadership, the methods of knowledge-making, and forgiveness. Open to University Scholars only.

USCH 1113 Texts and Contexts III (5) Prerequisite: USCH 1112. Through the lens of four problems central to modernity — evil, violence, faith/reason, and the individual in society — examines and discusses several texts of the modern period, including Descartes' *Meditations*, Voltaire's *Candide*, Flaubert's *Madame Bovary*, and Dostoevsky's *The Brothers Karamazov*, together with selected works of music, visual art, and film. Open to University Scholars only.

USCH 1114 Texts and Contexts IV (5) Prerequisite: USCH 1113. Examines globalization — the increasingly intertwined cultural, political, and economic ties shaping the contemporary world community — by reading texts such as Thomas Friedman's *The World is Flat*, by asking how globalization is transforming the world, and by discussing a Christian response. Open to University Scholars only. [\[Back to top\]](#)

USCH 3910 Faith and Science I (5) Prerequisite: A college-level science course with a lab. An exploration of the relationship of science, faith, and theology from the ancient world through the early 20th century, focusing on developments in physics. Includes consideration of the question of origins. Open to University Scholars only. Attribute: Upper-Division. Class not open to freshmen.

USCH 4900 Independent Study (1-5) Registration approval: Independent Study Agreement. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

USCH 4910 Faith and Science II (5) Prerequisite: USCH 3910. An exploration of the relationship of science, faith, and theology in the modern period, focusing on developments in biology and the human sciences. Includes consideration of the question of origins. Open to University Scholars only. Attribute: Upper-Division. Class not open to freshmen.

USCH 4950 Christianity and Scholarship (2) An exploration of several paradigms used to understand the relationship of Christian faith and scholarship, such as those articulated by Arthur Holmes, Mark Noll, and George Marsden. Includes writing a personal statement on the relationship of faith and scholarship and producing an approved prospectus for the honors project. Open to University Scholars only. Attributes: Upper-Division; and Writing Course. [\[Back to top\]](#)

USCH 4960 Honors Project I (0-2) Prerequisite: USCH 4950. Students will produce an undergraduate research paper or creative piece that is oriented within their relationship of faith and scholarship. Open to University Scholars only. Attribute: Upper-Division.

USCH 4965 Honors Project II (2-4) Students will produce an undergraduate research paper or creative piece that is oriented within their relationship of faith and scholarship. A maximum of 4 credits is allowed in Honors Project I and/or II. Attribute: Upper-Division.

WOMEN'S STUDIES

Jennifer McKinney, Director, Sociology Department

As an institution that centers its mission in the historical Christian faith, Seattle Pacific University affirms that women are created in God's image, redeemed by Christ and called to lives of scholarship, service and leadership. Prompted by that affirmation, SPU offers an interdisciplinary women's studies minor and welcomes both male and female students to pursue it. The primary goals of the women's studies minor are (1) to establish in the campus community an awareness of the overlooked values, neglected contributions and marginalized perspectives of women; (2) to assure that students have the time and opportunity to explore women's issues fully in light of the Christian faith; and (3) to provide resources for incorporating women's issues and contributions into other pertinent disciplinary courses.

The women's studies minor provides a course of study that stretches across disciplines, encouraging interdisciplinary thought and scholarship. It teaches skills of critical analysis, problem solving, and value reasoning. Because of its adaptable course requirements and final project, the minor can be designed in such a way as to complement majors in areas such as sociology, psychology, religion, history, communication, English, foreign languages, political science, family and consumer sciences, and business.

Admission to the Women's Studies Minor

Applicants for a minor in women's studies must have (1) sophomore standing; (2) a cumulative GPA of 2.5 or higher in all college work applicable to the B.A.; and (3) a grade of at least a C- in WST/SOC 2350 Introduction to Women's Studies. Application can be made in Alexander Hall, room 102.

Requirements for the Women's Studies Minor

The women's studies minor consists of at least 30 credits, of which 15 must be upper-division. Course requirements include WST 2350 Introduction to Women's Studies, at least one course from each of four core areas and a final independent study that consists of an integrative paper, project, or internship.

Faculty Participants:

- Michelle Beauclair, associate professor of French
- Barbara Bovy, professor of family and consumer sciences
- Christine Chaney, associate professor of English
- Kerry Dearborn, associate professor of theological studies
- Doug Durasoff, professor of political science
- Ruth Ediger, associate professor of political science
- Alberto Ferreira, professor of European history
- Mary Fry, associate professor of nursing
- Michael Hamilton, associate professor of history
- Sharleen Kato, professor of family and consumer sciences
- Jaeil Lee, assistant professor of family and consumer sciences
- Kathleen Lustyk, associate professor of psychology
- Jennifer Maier, associate professor of English
- Jennifer McKinney, assistant professor of sociology
- Kevin Neuhouser, professor of sociology
- Priscilla Pope-Levison, professor of theological studies
- Todd Rendleman, associate professor of communication
- Kimberly Segall, assistant professor of English
- Rick Steele, professor of moral and historical theology
- Doug Thorpe, associate professor of English
- Tom Trzyna, professor of English
- Tim Ulrich, visiting assistant professor of sociology
- Suzanne Wolfe, instructor in English
- Michael Ziemann, associate professor of European studies/German and linguistics

Note: Not all courses are offered every year. Check the [Time Schedule](#) for current offerings. Information concerning additional courses that will fulfill requirements for the minor is available from the women's studies' director.

WOMEN'S STUDIES MINOR

30 Credits Total, Including 15 Upper Division

Women's Studies Minor Core	
Course	Credits
WST 2350 Introductn to Women's Studies	5
WST 4940 Internship(3) WST 4960 Independent Project(3)	3
SECTION CREDITS REQUIRED	8
Select At Least One course from the Following	
Course	Credits
ANT 2250 Cultural Anthropology	5
COM 1101 Intro to Interpersonal Commun	5
COM 4607 Rhetoric of Dissent	5
FCS 2252 Marriage and the Family(5) SOC 2252 Marriage and the Family(5)	5
FCS 3875 Appearance and Culture	3
SOC 3215 Soc Inequality:Power & Privilge	5
SOC 3270 Socialization	5
SOC 4210 Gender in the Global Context	5
SOC 4250 Law and Society	5
SOC 4252 Sociology of Family	5
SOC 4910 Seminar	1-5
SECTION CREDITS REQUIRED	3
Select At Least One course from the Following	
Course	Credits
ENG 2234 Literature by Women	5
ENG 3334 American Ethnic Literature	5
ENG 3338 Contemporary Fiction	5
ENG 3351 Victorian Literature	5
ENG 4334 Americn Ethnc Lit:Special Topc	5
EUR 3950 European Special Topics	1-5
FCS 3870 History of Costume	5
FRE 3205 Topics in French Literature	5
SPN 3105 Literature Survey:Golden Age	3
SECTION CREDITS REQUIRED	5

Select At Least One course from the Following	
Course	Credits
HSC 3035 Human Sexuality	3
FCS 3320 Maternal & Child Nutrition	3
FCS 3240 Individual & Family Developmnt	5
PSY 4485 Psychobiology of Women	5
SECTION CREDITS REQUIRED	3
Select At Least One course from the Following	
Course	Credits
HIS 3405 Topics:History of Christianity (3-5) THEO 3305 Topics:History of Christianity (3-5)	3
HIS 3406 Christianity in America (5) THEO 3303 Christianity in America (5)	5
THEO 3331 Women in Christianity	5
THEO 3401 Exploring Christian Doctrine	5
THEO 4401 Representative Theologians	5
HIS 3345 Modern Russia (5) POL 3345 Modern Russia (5)	5
SECTION CREDITS REQUIRED	3
Electives From Any Course Above	3
TOTAL CREDITS REQUIRED	30

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

WOMEN'S STUDIES COURSE DESCRIPTIONS

ANT 2250 Cultural Anthropology (5) Offerings
Focuses upon the comparative study of human cultures: technological, economical, social, political, and religious systems, with examples drawn from selected cultures of the world.
Attributes: <i>Social Science A</i>
COM 1101 Intro to Interpersonal Commun (5) Offerings
In this fundamental course in communication between people, class sessions incorporate lectures with discussion and examples from popular culture and media. The focus of this course is on direct application of basic communication concepts essential to our daily lives. Topics include perception, gender, and culture and their effects on ourselves and others; self-expression and disclosure; friendship, family, and dating; verbal and nonverbal cues and their meanings; listening; and conflict management.
Attributes: <i>Arts and Humanities B</i>
COM 4607 Rhetoric of Dissent (5) Offerings
Considers discourse in its rhetorical, historical, political, social, and religious contexts and pays particular

attention to women and minority voices.

Attributes: *Upper-Division, Writing "W" Course*

ENG 2234 Literature by Women (5) Offerings

A study of poems, stories, plays, and essays written in English by women. The course will include classic as well as rediscovered women writers, and will examine the significant themes, the literary forms, and the social contexts of literature written by women.

Attributes: *Arts and Humanities B*

ENG 3334 American Ethnic Literature (5) Offerings

Traces the expression in novels, plays, poems, and essays of the minority groups who have been a part of the American people, particularly emphasizing the writing of African Americans.

Attributes: *Arts and Humanities B, Upper-Division*

ENG 3338 Contemporary Fiction (5) Offerings

Prerequisite: ENG 2252 or 2253, or permission of instructor. Considers British and American fiction published after 1945, including both realistic and postmodern works by such writers as Carver, DeLillo, Ishiguro, Murdoch, Nabokov, O'Connor, and Pynchon. Offered alternate years.

Attributes: *Upper-Division*

ENG 3351 Victorian Literature (5) Offerings

Prerequisite: ENG 2252 or permission of instructor. Studies selected works from the age of Queen Victoria in Britain, including novels by Bronte, Dickens, and Trollope, and poetry by Tennyson, Barrett Browning, and Arnold. Attends especially to the various ideologies of the 19th century in relation to contemporary culture, including questions of gender, technology, empire, and faith.

Attributes: *Upper-Division*

ENG 4334 American Ethnic Lit:Special Topc (5) Offerings

Prerequisite: ENG 2253 or permission of instructor. Explores various topics pertinent to the lives and literature of ethnic Americans. Depending on topic, focus may be on Native-American, African-American, Latino/Latina or Asian-American authors. Offered alternate years. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

EUR 3950 European Special Topics (1-5) Offerings

Focuses on different topics relating to the languages and cultures of Europe. Every other year, the course topic will focus on women from German-speaking countries who were unique, influential, and (to a degree) accepted for their gifts by their male dominated society and period of history. Taught in English. See women's studies minor. All other topics to be announced in the Online Time Schedule. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

FCS 2252 Marriage and the Family (5) Offerings

Surveys the family as an institution and a mode for personal living: marital adjustment, parent-child relationships, changing family patterns, and family disorganization and reorganization.

FCS 3240 Individual & Family Development (5) Offerings

Prerequisite: FCS 1050. Introduction to the application of concepts and theories in human development within the context of the family. Explores the reciprocal relationships between families and their environment and issues of individuals and families as consumers that affect the quality of life.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

FCS 3320 Maternal & Child Nutrition (3) Offerings

Prerequisites: FCS 2385, 3340 or BIO 1100 (Human Nutrition). Studies the influence of nutrition on the

course and outcome of pregnancy; nutritional needs during lactation, fundamentals of infant nutrition and influence of nutrition on growth, development, and behavior during infancy, childhood and adolescence. Women's study minor course.

Attributes: *Upper-Division*

FCS 3870 History of Costume (5) Offerings

Studies textile and costume designs of civilizations from the ancient to present day. Social, economic and political factors of various periods and their influence on evolution of costume and the importance of women's role in the history of Western dress are major emphases. Integrates costume with various arts: painting, sculpture, drama, and music. A women's studies minor course.

Attributes: *Arts and Humanities A, Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

FCS 3875 Appearance and Culture (3) Offerings

A study of the diverse meaning of appearance and dress as manifestations of individual and group behavior, social organizations, and cultural norms in various cultures.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman, Sophomore students are excluded.*

FRE 3205 Topics in French Literature (5) Offerings

Considers themes in French literature illustrated in works chosen from different genres and periods. Taught in English but students specializing in the French program or working on a French minor will do some reading and writing assignments in French and attend one session per week conducted in French. Offered alternate years. May be repeated for credit 1 time.

Attributes: *Arts and Humanities B, Upper-Division*

HIS 3345 Modern Russia (5) Offerings

Surveys Russian social, cultural and political history with primary attention to the tsarist, revolutionary, and Soviet eras, examining their legacies for current development and change.

Attributes: *Social Science B, Upper-Division, Writing "W" Course* Restrictions: *Freshman students are excluded.*

HIS 3405 Topics:History of Christianity (3-5) Offerings

Specific topics will vary. Past topics have included "Western Spirituality: Heresy, Mysticism and Monasticism" and "Religion and Politics in the Third Reich". May be repeated for credit up to 10 credits.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

HIS 3406 Christianity in America (5) Offerings

A survey of the development of American Christianity from the 17th century to the present. Explores the many expressions of Christianity that have taken root in American soil, with an emphasis on the interplay between Christianity and American culture. Particular attention will be given to the contemporary religious landscape, that is, to the varieties of American church life today.

Attributes: *Upper-Division*

HSC 3035 Human Sexuality (3) Offerings

Introduces basic aspects of human sexuality: biologically how the reproductive system works; psychologically how males and females view their sexuality; and sociologically how sexual values and behavior affect the society as a whole. Christian perspectives will be related to the development of sexual values.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

POL 3345 Modern Russia (5) Offerings

Surveys Russian social, cultural and political history and development, examining the tsarist and Soviet eras for their enduring effects on current development and change in Russia today. Special attention is focused on the roles of women in Russian history and today.

Attributes: Social Science B, Upper-Division, Writing "W" Course **Restrictions:** Freshman students are excluded.

PSY 4485 Psychobiology of Women (5) Offerings

Prerequisite: PSY 1180. Addresses how endocrinology, anatomy and physiology influence female behavior, affect and quality of life during several time segments across the life span. Issues such as the physical and psychological development of the female, the bi-directional relationship between hormones and behavior, pregnancy, childbirth and lactation, and menopause will be addressed in both a physical and social context.

Attributes: Upper-Division **Restrictions:** Freshman, Sophomore students are excluded.

SOC 2252 Marriage and the Family (5) Offerings

Surveys the family as an institution and a mode for personal living: marital adjustment, parent-child relationships, changing family patterns, and family disorganization and reorganization.

SOC 3215 Soc Inequality:Power & Privlge (5) Offerings

SOC 1110 is a recommended prerequisite for this course. Analyzes societal organization based on residence, occupation, community, class and race, power structure in the community, and social-mobility patterns. Offered alternate years.

Attributes: Upper-Division

SOC 3270 Socialization (5) Offerings

SOC 1110 is a recommended prerequisite for this course. Socialization is the process by which individuals develop into social beings. Various theories of socialization and human development will be utilized to explore the role played by social structure and institutions in the integration of the individual into society. We will examine infant and early childhood socialization, the role of the media and social institutions in socializing children and adults, adult stages of development, and the role of history in socializing cohorts of people.

Attributes: Upper-Division

SOC 4210 Gender in the Global Context (5) Offerings

SOC 1110 is a recommended prerequisite for this course. An exploration into the variety of conditions that constrain the material, social and spiritual well-being of women around the world. The course will examine how contemporary global processes of social and economic change impact women and how "development" could better address their needs.

Attributes: Upper-Division **Restrictions:** Junior, Senior students only.

SOC 4250 Law and Society (5) Offerings

This advanced course examines the relationship between law and society, situating law within the broader socio-political context. Specifically, the course explores how law shapes and is shaped by individuals, groups, organizations, and various levels of government. The course covers theoretical approaches to the sociology of law, the role of law in modern society, and law and social change. This goal is to encourage and facilitate critical thinking about law and society. It is not a technical course on practicing law, but a sociological perspective of law.

Attributes: Upper-Division

SOC 4252 Sociology of Family (5) Offerings

SOC 1110 is a recommended prerequisite for this course. This is an advanced course exploring the nature of the institution of the family in society. In general, the course will examine the evolution of the family over time as well as current issues and crises as they may be applicable to public policy. In addition, we will examine current debates and questions in the field of family sociology. The goal of this course is to provide the student an understanding of the family as a social institution in American life.

Attributes: Upper-Division

<p>SOC 4910 Seminar (1-5) Offerings</p> <p>SOC 1110 is a recommended prerequisite for this course. Provides a seminar experience in emerging and in specialized topics within sociology such as family violence, death and dying, etc. This course is designed primarily for Sociology majors; however, if you are interested in taking the course and are not a sociology major, please contact the instructor to request an override. May be repeated for credit up to 12 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Sociology Majors only.</i></p>
<p>SPN 3105 Literature Survey:Golden Age (3) Offerings</p> <p>Prerequisite: SPN 3101 or equivalent. Mystics, picaresque novels, poetry, and drama, studied in the context of the period. Taught in Spanish and occasionally in English. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>THEO 3303 Christianity in America (5) Offerings</p> <p>A survey of the development of American Christian thought and institutions from the 17th century to the present. Representative works by major thinkers of different historical periods and denominational affiliations will be studied. Particular attention will be given to the contemporary religious landscape, that is, to the varieties of American church life today.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>THEO 3305 Topics:History of Christianity (3-5) Offerings</p> <p>Specific topics will vary. Past topics have included: "Western Spirituality" and "Religion and Politics in the Third Reich". May be repeated for credit up to 10 credits.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>THEO 3331 Women in Christianity (5) Offerings</p> <p>This course integrates Church history, biblical study, and Christian theology to develop students' understanding of women in Christianity. The class will include a survey of women in the Christian tradition including women of faith in the Bible and in Church history. Students will gain understanding of the philosophical and cultural contexts of biblical references to women and will probe the biblical texts to gain insight into their meaning and their implications for the present. Contributions that selected women have made to the church and the world will be highlighted. Theology, ministry style, community and family dynamics, and challenges faced by women today will be discussed. This course may be taken toward the Women's Studies minor.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>THEO 3401 Exploring Christian Doctrine (5) Offerings</p> <p>Prerequisite: UFDN 3000 or 3100. In-depth study of selected areas of Christian doctrine. Deepens awareness of the biblical and practical roots of Christian doctrinal reflection as well as of the doctrinal consensus and diversity in the Christian tradition. Specific doctrinal focus will vary by quarter. Doctrinal areas regularly offered include God the Father, Christology, Holy Spirit, Trinity, theological anthropology, church and sacraments, and eschatology. May be repeated for credit 2 times.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>THEO 4401 Representative Theologians (5) Offerings</p> <p>Prerequisite: UFDN 3000 or 3100. Considers the work of a major Christian theologian or group of theologians who share a distinctive theological approach. Provides models of the "craft" of theological inquiry and probes the distinctive emphases of various Christian traditions and theological movements. Examples of theologians considered include: the Eastern and Western Christian Fathers and Mother, John Wesley, Karl Barth, Dietrich Bonhoeffer, C.S. Lewis, feminist theologians, and contemporary global theologians. May be repeated for credit 2 times.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>WST 2350 Introductn to Women's Studies (5) Offerings</p> <p>This course looks at women's autobiographies, introduces theoretical approaches to gender, and offers an</p>

interdisciplinary survey of women's issues relating to such areas as the church, spirituality, economics, health, vocation, social and political activity, and literary and artistic expression.

WST 4940 Internship (3) [Offerings](#)

A final, independent project in women's studies that consists of an internship involving written reflection and assessment.

Attributes: *Upper-Division*

WST 4960 Independent Project (3) [Offerings](#)

A final, independent project in women's studies that consists of an individual research project, investigating some topic in depth, and culminating in an integrative paper that demonstrates interdisciplinary scholarship and independent thought.

Attributes: *Upper-Division*

School of Business and Economics

David L. McKenna Hall
206-281-2970
www.spu.edu/depts/sbe/

Jeffrey Van Duzer, Dean of the School of Business and Economics

*To prepare students for service and leadership in business and society by developing their professional competence and integrity in the context of Christian faith and values.
To develop an academically and theologically rigorous understanding of business and economics and to effectively promote this understanding through teaching, pursuit of scholarship, and engagement with the broader business community.*

— School of Business and Economics Mission Statement

Majors

[Accounting](#)
[Business Administration](#)
[Economics](#)

Minors

[Business Administration](#)
[Economics](#)

SBE Distinctives

While the programs of the School of Business and Economic (SBE) are appropriately similar to those offered by other universities in the coverage of the basic business knowledge and skills, at Seattle Pacific University, they reflect three mission-driven distinctives:

1. Christian faith, ethics, and character
2. Applied learning
3. Collaborative learning community

Admission to Majors in the School of Business and Economics

Majors offered by the School of Business and Economics are [accounting](#), [business administration](#), and [economics](#). The business administration major offers concentrations in the following areas: (1) economics; (2) finance; (3) information systems; (4) international business; (5) management; and (6) marketing.

Students who are interested in a business major are encouraged to indicate their interest upon arrival at SPU. This indication is made with the [Office of Undergraduate Admissions](#). It does not commit the student to a major within the school, but assures that an advisor from within the school will be assigned and information about the school and its various activities will be received.

For matriculated students, formal application and admission to a major is required prior to enrollment in certain upper-division business or economics courses. Admission is selective and based upon prior academic performance. Admission applications should be submitted to the [School of Business and Economics](#) by the application deadline of January 20 and after all admission requirements are satisfied. If you have been admitted to another SPU major, contact the SBE office for permission to enroll in upper-division business courses. If you are a junior or senior transfer student in your first two quarters at SPU and you have a college GPA of at least 2.75, contact the SBE office for permission to enroll in upper-division courses. All course prerequisites must be completed before a student may enroll in an SBE course. To be awarded a degree from the School of Business and Economics, students must meet the major and any concentration requirements in effect at the time declaration of a major was made. They must have a minimum of 45 credit hours in the major at SPU.

Consistent with its mission, the School of Business and Economics admits students to its majors on the basis of academic achievement, personal character, leadership potential, and record of service. To meet the minimum requirements for admission to a major, the student must have attained at least sophomore standing; completed at least 15 credits (10 credits for junior or senior transfer students) in School of Business and Economics courses (ACCT, BUS, ECN); have demonstrated computer competency by passing BUS 1700 or CSC 1123, or by passing a competency exam covering the equivalent; and have achieved a minimum of 2.70 cumulative GPA from all institutions and a minimum of 2.70 cumulative GPA in all SBE courses. Students who enter SPU as a freshman

must apply for admission to the School of Business and Economics by January 20 of their sophomore year. Students who enter SPU as transfer students must apply for admission to the School of Business and Economics by January 20 of their first year. Attainment of the minimum GPA standards does not guarantee admission to a major as the total number of admissions may be limited by capacity. Application forms may be obtained online from the [SBE home page](#).

Newly admitted students will be welcomed to the SBE community at an orientation evening held in early spring, which will include information on the SBE mission and practical tips on succeeding in SBE majors. All newly admitted majors are required to attend this event.

Writing Competency Requirement

All SBE majors (accounting, business administration, and economics) must meet the writing competency requirement listed below:

- SBE majors with a score of 5 or 6 on the English Placement exam will satisfy the writing competency requirement and are not required to complete the extra writing requirements listed below. Also, these students are not required to take ENG 2201 Intermediate College Writing.
- SBE majors (and other SPU students) with a score of 4 or below on the English Placement exam are required to take ENG 2201 Intermediate College Writing. These students should take ENG 2201 by the first quarter of their sophomore year so they can be considered for admission to an SBE major during Winter Quarter of that year. Students with a grade of B or better in ENG 2201 will satisfy the writing competency requirement.
- SBE majors with a grade of B- or below in ENG 2201 must complete BUS 2601 Business Writing Tutorial and earn a grade of B or better.
- Transfer students who have not previously taken a college composition course must take the English Placement exam, and they must meet the same requirements outlined above for freshmen. Note: The writing competency requirement took effect for freshmen entering SPU beginning Autumn Quarter 2004 and transfer students entering SPU beginning Autumn Quarter 2005.

Admission Requirements for Minors in Business Administration and Economics

To be accepted to a minor in the School of Business and Economics, a student must have attained at least sophomore standing and have achieved a minimum 2.70 cumulative GPA from all institutions, and the student must fill out an [application form](#).

Scholarship Program

The School of Business and Economics has, through the generous donations of corporations and individuals, [several separate scholarships](#) for School of Business and Economics majors. All students interested in these business scholarships should contact the School of Business and Economics. The application deadline for these scholarships is March 1.

Internships

Internships give students an opportunity to gain practical work experience and to apply their academic background in a professional business environment. (See BUS 3910 and BUS 4940.)

Interdisciplinary

B.A. program in computer science (business emphasis): Students planning to major in computer science for the B.A. degree with a business application emphasis should see the Requirements for the major in [Computer Science](#).

Need to know when a course is being offered? [Click here](#) for the *2007-08 Time Schedule*.

ACCOUNTING MAJOR

David L. McKenna Hall
206-281-2970
www.spu.edu/depts/sbe/

Ross E. Stewart, Contact Person
206-281-2900

FACULTY: [Bruce D Baker](#), [Denise Daniels](#), [Jonathan Charles Deming](#), [Douglas Allan Downing](#), [Albert M Erisman](#), [Randal S Franz](#), [Dan W Hess](#), [Gary L Karns](#), [William Kauppila](#), [Herbert E Kierulff](#), [Kenneth E Knight](#), [Ryan Craig LaBrie](#), [Grant LeRoy Learned](#), [Henry L Petersen](#), [Joanna Krystyna Poznanska](#), [James F Rand](#), [Kimberly M Sawers](#), [Regina Pefanis Schlee](#), [Gerhard Steinke](#), [Ross E Stewart](#), [Lisa Klein Surdyk](#), [Jeffrey B Van Duzer](#), [Kenman Wong](#)

Graduates with majors in accounting have careers in private industry, not-for-profit organizations, and in public accounting. The program balances sound theoretical foundations with relevant applications. This provides the necessary current knowledge for the student to launch a career, and it also prepares the student to respond to the changing future environment and needs for accounting information. Students who successfully complete the program will be eligible to take both the certified public accountant (CPA) and the certified management accountant (CMA) examinations.

Requirements for the Major

104 credits

Students desiring to major in accounting must follow the application process described above. To be awarded a degree with a major in accounting, students must meet the major requirements in effect at the time declaration of a major was made and have a minimum of 45 credit hours in the major at SPU. Students who plan to obtain any of the professional designations such as certified public accountant (CPA), certified management accountant (CMA), or certified internal auditor (CIA) should contact an accounting faculty member for advising. Students who plan to take the CPA exam must have completed 225 quarter hours (equivalent to five years) of college coursework. Students may meet this requirement by earning a second bachelor's degree, or by taking 45 additional undergraduate credits (which may be in any discipline and do not necessarily lead to a degree). However, CPA-bound students are encouraged to apply for admission to a graduate program in the School of Business and Economics, either the [master of business administration \(M.B.A.\)](#) or the [master of science in information systems management \(I.S.M.\)](#). Students interested in this program should do the following:

1. Participate in a cooperative education program with an accounting firm for at least one year.
2. Take the GMAT exam (for the M.B.A.) or the GRE exam (for the I.S.M.) in Autumn Quarter of their senior year.
3. Apply for admission to the graduate program in the Winter Quarter of their senior year.
4. Commence taking three graduate courses per quarter in the summer following completion of their senior year, and for four more quarters (five quarters in total).

General Core

Note: Demonstration of computer competency is required. This is documented by passing BUS 1700 or CSC 1123, or by passing a competency exam covering the equivalent. Note: ACCT 3353 Advanced Accounting is strongly recommended for students intending to take the CPA exam.

Need to know when a course is being offered? [Click here](#) for the 2007-08 Time Schedule.

ACCOUNTING MAJOR

104 Credits Total, Including 60 Upper Division

Suggested Course Sequence

General Core	
Course	Credits
ECN 2101 Principles of Microeconomics (5)	10
ECN 2102 Principles of Macroeconomics (5)	
BUS 2414 Legal Environment of Business	5
ACCT 2361 Financial Accounting (5)	10
ACCT 2362 Managerial Accounting (5)	
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business & Econ (5)	5
MAT 2700 Statistics for Business & Econ (5)	
BUS 3250 Business Finance	5
BUS 3614 Organizatnl Behavr for Managrs	5
BUS 3541 Marketing & Society	5
BUS 3700 Quant Meth for Decision Making (3)	3
BUS 3710 Optimization and Statistics (3)	
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5
BUS 4899 Business Ethics	5
BUS 3620 Management Information Systems	5
ACCT 3351 Intermediate Accounting I (5)	10
ACCT 3352 Intermediate Accounting II (5)	
ACCT 3324 Federal Income Taxation	5
ACCT 3327 Cost Accounting	5
ACCT 3370 Accounting Information Systems	3
ACCT 3328 Auditing	3
ACCT 4351 International Accounting	3
ACCT 4899 Capstone:Acct Theory &Problems	5
SECTION CREDITS REQUIRED	104
TOTAL CREDITS REQUIRED	104

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ACCOUNTING COURSE DESCRIPTIONS

ACCT 2361 Financial Accounting (5) Offerings

Makes clear the ways in which accounting is an information development and communication function that supports economic decision making, and prepares students for subsequent learning. Not recommended for first-quarter freshmen.

ACCT 2362 Managerial Accounting (5) Offerings

Prerequisites: ACCT 2361, BUS 1700, or competency exam. Develops basic concepts and skills for preparing accounting information for managerial decision-making purposes. Computer spreadsheet skills are required.

ACCT 3324 Federal Income Taxation (5) Offerings

Prerequisite: ACCT 2361. Provides an introduction to the income tax structure and basic concepts of tax law relating to individual, corporate, partnership, and estate income taxation.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

ACCT 3327 Cost Accounting (5) Offerings

Prerequisite: ACCT 2362. Introduces basic principles of cost accounting as applied to materials, labor, and manufacturing overhead.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

ACCT 3328 Auditing (3) Offerings

Prerequisites: ACCT 3352, 3370 (May be taken concurrently). Teaches auditing theory and concepts to gather and evaluate evidence supporting an entity's financial statements.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

ACCT 3351 Intermediate Accounting I (5) Offerings

Prerequisite: ACCT 2362. Studies the concepts and principles of accounting related to recognition, valuation, and classification of economic events. Includes issues related to the measurement of income.

Attributes: Upper-Division Restrictions: Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

ACCT 3352 Intermediate Accounting II (5) Offerings

Prerequisite: ACCT 3351. Continuation of 3351. Attribute: Upper-Division. Class open to accounting, business administration, computer science, economics, family and consumer sciences, food and nutritional sciences and textiles, clothing, and interiors majors.

Attributes: Upper-Division Restrictions: Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

ACCT 3370 Accounting Information Systems (3) Offerings

Prerequisites: ACCT 2362, BUS 3620. Considers accounting information systems as part of the accounting and finance functions. Examines business processes, transaction processing, systems analysis, design, and development, data modeling, and databases, and Internal control, and audit.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

ACCT 4351 International Accounting (3) Offerings

Prerequisite: ACCT 3352. Considers and analyzes financial accounting concepts relating to consolidated financial statements, translation of foreign financial statements, and accounting for foreign transactions, international financial reporting, and accounting for special entities. Recommended for CPA examination preparation.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

ACCT 4899 Capstone:Acct Theory &Problems (5) Offerings

Prerequisite: ACCT 3352. Critically examines problem areas of current interest in financial accounting. Emphasizes investigating the "whys" behind today's generally accepted accounting principles and explores alternative approaches to the study and development of accounting theory. Several problems or contentious theoretical issues facing the accounting profession are examined in depth with the objective of having the student form a well-reasoned position on the matter.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman, Sophomore students are excluded.*

BUS 2414 Legal Environment of Business (5) Offerings

Studies the relationship between law and business. Includes coverage of laws that impact the employer-employee relationship, product safety, advertising, contracts, business organizations, and business crimes and torts.

BUS 2600 Managerial Communication (2) Offerings

Prepares students for communicating effectively in organizations. Topics include writing concisely and clearly; writing effective reports and business correspondence, including email and memos; delivering oral presentations; and mastering presentation software.

BUS 2700 Statistics for Business & Econ (5) Offerings

Prerequisite: Bus 1700 and passing score on Mathematics Proficiency exam or completion of Arithmetic Review. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression, and nonparametric statistics.

Attributes: *Mathematics (MAT)*

BUS 3250 Business Finance (5) Offerings

Prerequisite: ACCT 2361 and 2362. Studies the principles of financial markets, internal and external sources of funds and their costs to the firm. Includes management of working capital, capital budgeting, valuation issues, and financial planning.

Attributes: *Upper-Division* Restrictions: *Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.*

BUS 3541 Marketing & Society (5) Offerings

Studies the principles of marketing. Employs a systems approach to examine the impact of marketing on the quality of life. Considers both macro and micro dimensions of marketing.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman students are excluded.*

BUS 3614 Organizational Behavior for Managers (5) Offerings

An introduction to theory, research, and practice related to the management of human behavior in an organizational context. Course topics include individual characteristics, motivation, learning, communication, leadership, decision making, group dynamics, conflict, power, and politics. The course involves significant group activities and requires multiple oral presentations.

Attributes: *Upper-Division* Restrictions: *Accounting, Business Administration, Computer Science, Economics, Food & Nutritional Sciences, Information Systems Majors only. Freshman students are excluded.*

BUS 3620 Management Information Systems (5) Offerings

Studies the processes for collecting, verifying, and processing information to assist management in making decisions to achieve the organization's goals. Software, hardware, networks, and electronic data interchange will be examined, with computer systems viewed as one part of the complete information system.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

BUS 3700 Quant Meth for Decision Making (3) Offerings

Prerequisite: BUS 2700. Uses computers for solving quantitative management decision problems. Includes optimization with derivatives; marginal analysis; linear programming; and forecasting methods.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only.*

BUS 3710 Optimization and Statistics (3) Offerings

Prerequisites: BUS 2700 and MAT 1221 or other previous study of calculus in high school or college. Use computers for solving quantitative management decision problems. Includes multivariable optimization, Lagrange multipliers, linear programming, and forecasting methods.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only.*

BUS 4644 Operations Management (5) Offerings

Analyzes theory and application of the systems approach to production management. Provides a focus on the decision-making process, the design and control of manpower, materials, and machines in several production/service environments.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Information Systems, Textiles, Clothing & Interiors Majors only. Freshman, Sophomore students are excluded.*

BUS 4690 Strategic Management (5) Offerings

Prerequisites: BUS 3250, 3541, 3614, 3700, and 4644. Explores strategy formulation and implementation processes and the measurement of performance designed to aid organizations to achieve the purpose and objectives of both small and large businesses.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman, Junior, Sophomore students are excluded.*

BUS 4899 Business Ethics (5) Offerings

Prerequisites: UFDN 3100 or equivalent; ECN 2102 or 2102. This senior-level capstone course explores various ethical theories and their application to the practice of business. Gives particular emphasis to Christian ethics and focuses on individual ethical decision making.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Computer Science, Economics Majors only. Senior students only.*

ECN 2101 Principles of Microeconomics (5) Offerings

Provides a foundation course for business majors. Topics include supply and demand; markets and the price system; allocation of resources, income distribution, economic power and the public sector; international trade; and comparative economic systems.

Attributes: *Social Science B*

ECN 2102 Principles of Macroeconomics (5) Offerings

Presents topics including elementary demand and supply, determination of national income, employment and prices, money and banking system, fiscal and monetary policy and economic welfare, economic growth and development and international finance.

Attributes: *Social Science B*

MAT 2700 Statistics for Business & Econ (5) Offerings

Prerequisites: BUS 1700 or CSC 1123 and passing score on Mathematics Proficiency exam. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression and nonparametric statistics.

Attributes: *Mathematics (MAT)*

BUSINESS ADMINISTRATION

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The business administration major provides a broad-based education in the fundamental theories, principles, and practices of modern business. The program develops a general management outlook toward organizations and the changing environment they face. It teaches standards of professional and ethical behavior along with the technical expertise and leadership attributes necessary to attain entry-level positions in business. Students who major in business administration are expected to master a core of courses in business and economics, and may choose from a concentration selected from one of the following areas: economics, finance, information systems, international business, management, and marketing. All students will take the following common core of classes described under [general core](#).

Requirements for the Major

95 credits

Students desiring to major in business administration must follow the application process described above. To be awarded a degree with a major in business administration, students must meet the general core requirements and at least 18 credits of upper-division elective courses within the School of Business and Economics. Students can choose to pursue a concentration in a specific business discipline by completing 15 of their 18 elective credits within that particular discipline. Major requirements are based on those in effect at the time declaration of the major was made. Also, a minimum of 45 credit hours in the major must be completed at SPU.

Demonstration of computer competency is required. This is documented by passing BUS 1700 or CSC 1123, or by passing a competency exam covering the equivalent.

Note: BUS 4690 and BUS 4899 are recommended to be taken during the last quarter of senior year.

Note: A minimum of 15 of the 18 upper-division SBE elective credits must be in BUS or ECN courses; a maximum of 3 credits may be taken in ACCT courses.

Concentration Options

Students wishing to pursue a disciplinary concentration must take 15 of their 18 upper-division elective credits from courses in that discipline as follows:

[Economics Concentration](#)

[Finance Concentration](#)

[Information Systems Concentration](#)

[International Business Concentration](#)

All courses in this concentration must be approved by the SBE Undergraduate Committee.

[Management Concentration](#)

[Marketing Concentration](#)

Students interested in the international business concentration should meet with the SBE undergraduate chair to discuss course selection. International business students need to participate in an approved study-abroad program, and they need to complete the equivalent of three quarters of foreign language at the intermediate level. Normally some of the coursework in the concentration will be taken during the study-abroad program.

The foreign language requirement can be met by 15 credits in SPU foreign-language courses numbered 2000 or above, or by demonstrated fluency in a language other than English.

Signature Experience Requirement

SBE is committed to providing an educational experience that is grounded in Christian faith, ethics, and character. It is also committed to providing a business education that works well "on the ground" in our increasingly global environment. To strengthen these commitments, students graduating with a major in business administration must satisfy the SBE Signature Experience Requirement by completing one of these options:

- Complete and enter a business plan in an appropriate business plan competition. This can include on-campus competitions or competitions sponsored by other schools or organizations. This requirement is typically met by participating in the business planning sequence.
- Participate in an approved [study-abroad program](#), such as SPUBA (SPU Business Abroad), the CCCU Latin American Studies program, or another SPU program (e.g. the European Studies quarter). This must be a program where students receive academic credit. In lieu of an international experience, a student may apply to the SBE undergraduate committee to meet this requirement with a suitable cross-cultural experience in the United States.
- Complete three credits of BUS 3950 Spirituality and Business.
- Complete an honors project as part of the [University Scholars](#) program.
- With the approval of the SBE Undergraduate Committee, participate in a business-related CCCU American Studies Program, Contemporary Music Program, Film Studies Program, or other comparable program.

Note: In most cases, the credits earned while completing the Signature Experience Requirement also meet another requirement of the Business Administration major.

The signature experience requirement applies to students who are admitted to the School of Business and Economics starting with the 2007–08 academic year.

Requirements for the Minor in Business Administration

**Requires ACCT 2362 as a prerequisite.*

The School of Business and Economics offers a business minor for students who want to complement their major with general business coursework. Formal declaration of a minor is required. Acceptance is based upon [an application](#) to the School of Business and Economics with a minimum cumulative grade point average of at least 2.70 in a minimum of 45 quarter credits of coursework. SPU requires students to earn at least 15 credits of the minor at SPU, 10 credits of which must be upper-division credits.

Need to know when a course is being offered? [Click here](#) for the 2007-08 Time Schedule.

BUSINESS ADMINISTRATION (NO CONCENTRATION)

95 Credits Total, Including 60 Upper Division

Suggested Course Sequence

General Core	
Course	Credits
ECN 2101 Principles of Microeconomics (5)	10
ECN 2102 Principles of Macroeconomics (5)	
BUS 2414 Legal Environment of Business	5
ACCT 2361 Financial Accounting (5)	10
ACCT 2362 Managerial Accounting (5)	
BUS 3250 Business Finance	5
BUS 3910 Internship&Career Strategies	1

BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business & Econ (5) MAT 2700 Statistics for Business & Econ (5)	5
BUS 3614 Organizatnl Behavr for Managrs	5
BUS 3541 Marketing & Society	5
BUS 3700 Quant Meth for Decision Making	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5
BUS 4899 Business Ethics	5
BUS 3620 Management Information Systems	5
BUS 3828 International Business	5
BUS 4940 Internship	1
SECTION CREDITS REQUIRED	77
Upper Division SBE Electives	18
TOTAL CREDITS REQUIRED	95

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BUSINESS ADMINISTRATION MAJOR: ECONOMICS CONCENTRATION

95 Credits Total, Including 60 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
ECN 2101 Principles of Microeconomics (5) ECN 2102 Principles of Macroeconomics (5)	10
BUS 2414 Legal Environment of Business	5
ACCT 2361 Financial Accounting (5) ACCT 2362 Managerial Accounting (5)	10
BUS 3250 Business Finance	5
BUS 3910 Internship&Career Strategies	1
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business & Econ (5) MAT 2700 Statistics for Business & Econ (5)	5
BUS 3614 Organizatnl Behavr for Managrs	5
BUS 3541 Marketing & Society	5
BUS 3700 Quant Meth for Decision Making	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5

BUS 4899 Business Ethics	5
BUS 3620 Management Information Systems	5
BUS 3828 International Business	5
BUS 4940 Internship	1
SECTION CREDITS REQUIRED	77
Economics Concentration	
Course	Credits
ECN 3101 Intermediate Macroeconomics (5)	10
ECN 3102 Managerial Economics (5)	
SECTION CREDITS REQUIRED	10
Five Upper Division Economics Credits	5
Upper Division SBE Electives	3
TOTAL CREDITS REQUIRED	95

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BUSINESS ADMINISTRATION MAJOR: FINANCE CONCENTRATION

95 Credits Total, Including 60 Upper Division

Suggested Course Sequence

General Core	
Course	Credits
ECN 2101 Principles of Microeconomics (5)	10
ECN 2102 Principles of Macroeconomics (5)	
BUS 2414 Legal Environment of Business	5
ACCT 2361 Financial Accounting (5)	10
ACCT 2362 Managerial Accounting (5)	
BUS 3250 Business Finance	5
BUS 3910 Internship&Career Strategies	1
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business & Econ (5)	5
MAT 2700 Statistics for Business & Econ (5)	
BUS 3614 Organizatnl Behavr for Managrs	5
BUS 3541 Marketing & Society	5
BUS 3700 Quant Meth for Decision Making	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5
BUS 4899 Business Ethics	5
BUS 3620 Management Information Systems	5

BUS 3828 International Business	5
BUS 4940 Internship	1
SECTION CREDITS REQUIRED	77
Finance Concentration	
Course	Credits
BUS 3251 Investments	5
BUS 4274 Problems in Corporate Finance	5
BUS 4275 The Practice of Finance	5
SECTION CREDITS REQUIRED	15
Upper Division SBE Electives	3
TOTAL CREDITS REQUIRED	95

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BUSINESS ADMINISTRATION MAJOR: MANAGEMENT CONCENTRATION

95 Credits Total, Including 60 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
ECN 2101 Principles of Microeconomics (5)	10
ECN 2102 Principles of Macroeconomics (5)	
BUS 2414 Legal Environment of Business	5
ACCT 2361 Financial Accounting (5)	10
ACCT 2362 Managerial Accounting (5)	
BUS 3250 Business Finance	5
BUS 3910 Internship&Career Strategies	1
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business & Econ (5)	5
MAT 2700 Statistics for Business & Econ (5)	
BUS 3614 Organizatnl Behavr for Managrs	5
BUS 3541 Marketing & Society	5
BUS 3700 Quant Meth for Decision Making	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5
BUS 4899 Business Ethics	5
BUS 3620 Management Information Systems	5
BUS 3828 International Business	5

BUS 4940 Internship	1
SECTION CREDITS REQUIRED	77
Management Concentration	
Course	Credits
BUS 3657 Human Resource Management	5
BUS 4660 Managing Systems	5
BUS 3670 Management Non-Profit Sector (3)	3
BUS 3680 Social Enterprise (3)	
BUS 4631 Business Planning I (5)	
SECTION CREDITS REQUIRED	15
Upper Division SBE Electives	3
TOTAL CREDITS REQUIRED	95

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BUSINESS ADMINISTRATION MAJOR: MARKETING CONCENTRATION

95 Credits Total, Including 60 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
ECN 2101 Principles of Microeconomics (5)	10
ECN 2102 Principles of Macroeconomics (5)	
BUS 2414 Legal Environment of Business	5
ACCT 2361 Financial Accounting (5)	10
ACCT 2362 Managerial Accounting (5)	
BUS 3250 Business Finance	5
BUS 3910 Internship&Career Strategies	1
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business & Econ (5)	5
MAT 2700 Statistics for Business & Econ (5)	
BUS 3614 Organizatnl Behavr for Managrs	5
BUS 3541 Marketing & Society	5
BUS 3700 Quant Meth for Decision Making	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5
BUS 4899 Business Ethics	5
BUS 3620 Management Information Systems	5
BUS 3828 International Business	5

BUS 4940 Internship	1
SECTION CREDITS REQUIRED	77
Marketing Concentration	
Course	Credits
BUS 3542 Marketing Research	5
BUS 4543 Marketing Management	5
BUS 3544 Advertising (5) BUS 3545 Sales & Sales Management (5) BUS 3548 International Marketing (5) BUS 4542 Consumer Behavior (5)	5
SECTION CREDITS REQUIRED	15
Upper Division SBE Electives	3
TOTAL CREDITS REQUIRED	95

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BUSINESS ADMINISTRATION: INFORMATION SYSTEMS CONCENTRATION

95 Credits Total, Including 60 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
ECN 2101 Principles of Microeconomics (5) ECN 2102 Principles of Macroeconomics (5)	10
BUS 2414 Legal Environment of Business	5
ACCT 2361 Financial Accounting (5) ACCT 2362 Managerial Accounting (5)	10
BUS 3250 Business Finance	5
BUS 3910 Internship&Career Strategies	1
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business & Econ (5) MAT 2700 Statistics for Business & Econ (5)	5
BUS 3614 Organizatnl Behavr for Managrs	5
BUS 3541 Marketing & Society	5
BUS 3700 Quant Meth for Decision Making	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5
BUS 4899 Business Ethics	5
BUS 3620 Management Information Systems	5

BUS 3828 International Business	5
BUS 4940 Internship	1
SECTION CREDITS REQUIRED	77
Information Systems Concentration	
Course	Credits
BUS 4620 Computer Networks (5)	15
BUS 4622 Information & Database Systems (5)	
BUS 4625 Organization's Presence on Net (5)	
CSC 1230 Problem Solving & Programming (5)	
SECTION CREDITS REQUIRED	15
Upper Division SBE Electives	3
TOTAL CREDITS REQUIRED	95

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BUSINESS ADMINISTRATION: INTERNATIONAL BUSINESS

95 Credits Total, Including 60 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
ECN 2101 Principles of Microeconomics (5)	10
ECN 2102 Principles of Macroeconomics (5)	
BUS 2414 Legal Environment of Business	5
ACCT 2361 Financial Accounting (5)	10
ACCT 2362 Managerial Accounting (5)	
BUS 3250 Business Finance	5
BUS 3910 Internship&Career Strategies	1
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business & Econ (5)	5
MAT 2700 Statistics for Business & Econ (5)	
BUS 3614 Organizatnl Behavr for Managrs	5
BUS 3541 Marketing & Society	5
BUS 3700 Quant Meth for Decision Making	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5
BUS 4899 Business Ethics	5
BUS 3620 Management Information Systems	5
BUS 3828 International Business	5

BUS 4940 Internship	1
SECTION CREDITS REQUIRED	77
15 Credits Needed Including Business Seminar Below	
Course	Credits
ACCT 4351 International Accounting (3)	
BUS 3548 International Marketing (5)	
BUS 4661 Special Topics in Management (1-3)	15
ECN 4310 International Political Economy (5)	
THEO 3610 Living in Another Culture (3)	
SECTION CREDITS REQUIRED	15
Business Seminar: 1-5 Credits	
Course	Credits
BUS 3830 International Business Seminar (2-3)	1
SBS 4911 LASP: Business Seminar (5)	
SECTION CREDITS REQUIRED	1
Upper Division SBE Electives	3
TOTAL CREDITS REQUIRED	95

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BUSINESS ADMINISTRATION MINOR

30 Credits Total, Including 15 Upper Division

Business Minor Core	
Course	Credits
ECN 1100 Fundamentals of Economics (5)	
ECN 2101 Principles of Microeconomics (5)	5
ECN 2102 Principles of Macroeconomics (5)	
ACCT 2361 Financial Accounting	5
BUS 4899 Business Ethics	5
SECTION CREDITS REQUIRED	15
Business Minor Electives (Choose 2 of 3 courses)	
Course	Credits
BUS 3250 Business Finance (5)	
BUS 3541 Marketing & Society (5)	10
BUS 3614 Organizational Behavior for Managers (5)	
SECTION CREDITS REQUIRED	10
Choose one course from ACCT, BUS, or ECN	5
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

BUSINESS ADMINISTRATION COURSE DESCRIPTIONS**ACCT 2361 Financial Accounting (5) [Offerings](#)**

Makes clear the ways in which accounting is an information development and communication function that supports economic decision making, and prepares students for subsequent learning. Not recommended for first-quarter freshmen.

ACCT 2362 Managerial Accounting (5) [Offerings](#)

Prerequisites: ACCT 2361, BUS 1700, or competency exam. Develops basic concepts and skills for preparing accounting information for managerial decision-making purposes. Computer spreadsheet skills are required.

ACCT 4351 International Accounting (3) [Offerings](#)

Prerequisite: ACCT 3352. Considers and analyzes financial accounting concepts relating to consolidated financial statements, translation of foreign financial statements, and accounting for foreign transactions, international financial reporting, and accounting for special entities. Recommended for CPA examination preparation.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

BUS 2414 Legal Environment of Business (5) [Offerings](#)

Studies the relationship between law and business. Includes coverage of laws that impact the employer-employee relationship, product safety, advertising, contracts, business organizations, and business crimes and torts.

BUS 2600 Managerial Communication (2) [Offerings](#)

Prepares students for communicating effectively in organizations. Topics include writing concisely and clearly; writing effective reports and business correspondence, including email and memos; delivering oral presentations; and mastering presentation software.

BUS 2700 Statistics for Business & Econ (5) [Offerings](#)

Prerequisite: Bus 1700 and passing score on Mathematics Proficiency exam or completion of Arithmetic Review. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression, and nonparametric statistics.

Attributes: *Mathematics (MAT)*

BUS 3250 Business Finance (5) [Offerings](#)

Prerequisite: ACCT 2361 and 2362. Studies the principles of financial markets, internal and external sources of funds and their costs to the firm. Includes management of working capital, capital budgeting, valuation issues, and financial planning.

Attributes: *Upper-Division* **Restrictions:** *Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.*

<p>BUS 3251 Investments (5) Offerings</p> <p>Prerequisite: BUS 3250. Studies the basic problems and issues concerning development and implementation of a personal investment program. Includes analysis of investment risks, types of investments, securities markets and portfolio theory. Also considers securities analysis and valuation techniques.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Accounting, Business Administration, Economics Majors only. Freshman students are excluded.</p>
<p>BUS 3541 Marketing & Society (5) Offerings</p> <p>Studies the principles of marketing. Employs a systems approach to examine the impact of marketing on the quality of life. Considers both macro and micro dimensions of marketing.</p> <p><u>Attributes:</u> Upper-Division, Writing "W" Course <u>Restrictions:</u> Freshman students are excluded.</p>
<p>BUS 3542 Marketing Research (5) Offerings</p> <p>Prerequisites: BUS 2700, 3541. Studies the marketing research process: preliminary steps and research design; questionnaires; secondary and primary data; sampling; processing and interpreting data; evaluation; and effective presentation of findings.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Accounting, Business Administration, Economics Majors only. Freshman students are excluded.</p>
<p>BUS 3544 Advertising (5) Offerings</p> <p>Prerequisite: BUS 3541. Describes the theory and practice of advertising and its role in the firm and in the socio-economic system. Discusses techniques and the management of advertising and applies them to the practice of marketing.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman students are excluded.</p>
<p>BUS 3545 Sales & Sales Management (5) Offerings</p> <p>Prerequisites: BUS 3541, 3614. Sales planning and organization. Management of the sales force for productivity. Personal selling techniques.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Accounting, Business Administration, Economics Majors only. Freshman students are excluded.</p>
<p>BUS 3548 International Marketing (5) Offerings</p> <p>Prerequisite: BUS 3541. This course examines the theory and application of international marketing from a global, rather than a U.S.-centered viewpoint. International management issues are examined both from the perspective of small and midsized businesses, as well as multinational firms. The course also focuses on ethical issues concerning the global diversity of customs and morals, environmental issues, and the impact of trade. This course is offered online.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman, Sophomore students are excluded.</p>
<p>BUS 3614 Organizational Behavior for Managers (5) Offerings</p> <p>An introduction to theory, research, and practice related to the management of human behavior in an organizational context. Course topics include individual characteristics, motivation, learning, communication, leadership, decision making, group dynamics, conflict, power, and politics. The course involves significant group activities and requires multiple oral presentations.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Accounting, Business Administration, Computer Science, Economics, Food & Nutritional Sciences, Information Systems Majors only. Freshman students are excluded.</p>
<p>BUS 3620 Management Information Systems (5) Offerings</p> <p>Studies the processes for collecting, verifying, and processing information to assist management in making decisions to achieve the organization's goals. Software, hardware, networks, and electronic data interchange will be examined, with computer systems viewed as one part of the complete information system.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman students are excluded.</p>

<p>BUS 3657 Human Resource Management (5) Offerings</p> <p>An introduction to the management of human resources in organizations. Theory, research, and practice in the areas of human resources planning, job analysis and design, recruiting and staffing, training and development, performance appraisal, compensation, organization development, government regulation of HRM, and quality of work life will be studied.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Accounting, Business Administration, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.</p>
<p>BUS 3670 Management Non-Profit Sector (3) Offerings</p> <p>Focuses on the management of not-for-profit organizations. Includes analysis of board of directors, management responsibilities, funding requirements, coordination and direction of volunteers, legal issues, and public relations. Appropriate for those interested in the management of churches, hospitals, performing groups, and social-service organizations.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Accounting, Business Administration, Economics Majors only. Freshman students are excluded.</p>
<p>BUS 3680 Social Enterprise (3) Offerings</p> <p>Examines "blended value" businesses designed to achieve both financial return and social benefit. Incorporates lectures, case studies, guest speakers, and preparation of a social enterprise business plan to study commercial ventures operated by nonprofit or for-profit organizations. Emphasizes the unique rewards and cultural, human resource, legal, and financial challenges of earned-income ventures within mission-based organizations.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman students are excluded.</p>
<p>BUS 3700 Quant Meth for Decision Making (3) Offerings</p> <p>Prerequisite: BUS 2700. Uses computers for solving quantitative management decision problems. Includes optimization with derivatives; marginal analysis; linear programming; and forecasting methods.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only.</p>
<p>BUS 3828 International Business (5) Offerings</p> <p>Covers the major forms of international business including problems of licensing, production, marketing, import, and export; emphasizes relationships between theory and practice regarding management, government policy, and international problems.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman students are excluded.</p>
<p>BUS 3830 International Business Seminar (2-3) Offerings</p> <p>This course will be taught by an SPU faculty member at a location outside the United States for students who are part of the School of Business and Economics Study Abroad program. The course will cover current topics in international business; the specific topics will vary from year to year.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Undergraduate only. Freshman, Sophomore students are excluded.</p>
<p>BUS 3910 Internship&Career Strategies (1) Offerings</p> <p>Assists students in finding an internship by the end of the quarter. Students will develop skills in resume and cover-letter writing; identifying and articulating strengths and skills; using resources for finding internships; interviewing and networking; and understanding the requirements for an approved business internship. It is recommended that students take this class at the end of the sophomore or beginning of their junior year.</p> <p><u>Attributes:</u> Upper-Division <u>Restrictions:</u> Freshman students are excluded.</p>
<p>BUS 4274 Problems in Corporate Finance (5) Offerings</p> <p>Prerequisite: BUS 3250. Gives an in-depth treatment of the more critical aspects of financial decision making introduced in BUS 3250, utilizing lectures and case studies. Topics typically include mergers and</p>

acquisitions, forecasting and cash budgeting, valuation techniques, and capital structure issues.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

BUS 4275 The Practice of Finance (5) Offerings

Prerequisite: BUS 4274. Applies tools and concepts in all phases of finance to real situations through projects and case studies.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

BUS 4542 Consumer Behavior (5) Offerings

Prerequisites: BUS 3541 and 3542. Examines how consumers make choices about what, how and when they buy. Special emphasis will be placed on integrating cognitive, behavioral and ethical concepts in the study of consumer behavior and the relationships of consumer behavior with marketing strategies.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

BUS 4543 Marketing Management (5) Offerings

Prerequisite: BUS 3542. Deals in depth with the planning, executing, and controlling of marketing strategies and tactics. Uses a computer simulation and a case format.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

BUS 4620 Computer Networks (5) Offerings

Prerequisite: BUS 3620. The components, development, and management of computer networks are studied. Topics include telecommunications, installation, and configuration of computer systems, network operations and management, client/server network issues, distributed systems, business applications of networks, and hands-on network installation.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Information Systems, Textiles, Clothing & Interiors Majors only. Freshman, Sophomore students are excluded.

BUS 4622 Information & Database Systems (5) Offerings

Prerequisite: BUS 3620. Database concepts and management issues are explored from information modeling to the implementation and application of a database. Topics include information modeling, database design and manipulation, query languages, integrity, reliability, distributed database, database management, design, and implementation of a database application.

Attributes: Upper-Division **Restrictions:** Freshman students are excluded.

BUS 4625 Organization's Presence on Net (5) Offerings

Prerequisite: BUS 3620. This course provides a framework for an organization to evaluate, create, and implement a successful net presence through the use of e-commerce tools. Information technology advances drive dramatic changes in every area of economic and personal life. Opportunities and challenges abound: fluid organizational structures; globalization; service 24 hours a day, 7 days a week; networked communities; and supplier-producer-customer partnerships.

Attributes: Upper-Division **Restrictions:** Undergraduate only. Freshman, Sophomore students are excluded.

BUS 4631 Business Planning I (5) Offerings

Prerequisites: BUS 3250, 3541, and 4644. Note: BUS 3541 and 4644 can be taken concurrently with this course. The Business Planning courses show students how to prepare detailed plans for social ventures or for-profit businesses of their own choosing. There is significant one-on-one interaction with the professor in

addition to lectures and case studies. Covers marketing planning, production, management, financial analysis and risk analysis.

Attributes: Upper-Division **Restrictions:** Accounting, Business and Economics, Economics Majors only. Freshman, Sophomore students are excluded.

BUS 4644 Operations Management (5) Offerings

Analyzes theory and application of the systems approach to production management. Provides a focus on the decision-making process, the design and control of manpower, materials, and machines in several production/service environments.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Information Systems, Textiles, Clothing & Interiors Majors only. Freshman, Sophomore students are excluded.

BUS 4660 Managing Systems (5) Offerings

Prerequisite: BUS 3614. This management course is a problem-focused look at organizational systems. Building upon a systems-theory model we will explore the macro-level issues and dynamics of whole organizations. Topics will include organization structure, technology, culture, power and politics, effectiveness, innovation, learning, and change. This is an applications-oriented course, in which our analysis of companies will be informed by theory and grounded in practice. The term will culminate in a comprehensive group project and presentation.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman, Sophomore students are excluded.

BUS 4661 Special Topics in Management (1-3) Offerings

Students analyze current issues in improving the effectiveness of organizations. May be repeated for credit up to 6 credits.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman, Sophomore students are excluded.

BUS 4690 Strategic Management (5) Offerings

Prerequisites: BUS 3250, 3541, 3614, 3700, and 4644. Explores strategy formulation and implementation processes and the measurement of performance designed to aid organizations to achieve the purpose and objectives of both small and large businesses.

Attributes: Upper-Division, Writing "W" Course **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman, Junior, Sophomore students are excluded.

BUS 4899 Business Ethics (5) Offerings

Prerequisites: UFDN 3100 or equivalent; ECN 2102 or 2102. This senior-level capstone course explores various ethical theories and their application to the practice of business. Gives particular emphasis to Christian ethics and focuses on individual ethical decision making.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics Majors only. Senior students only.

BUS 4940 Internship (1) Offerings

Prerequisite: BUS 3910. Provides an opportunity for reflection on a student's internship experience. The internship, paid or unpaid, must have a minimum commitment of 10 hours/week or 100 hours during the quarter, be related to students' Business Administration major and have provided opportunities for students to relate and apply principles of business, faith, service, and leadership to a professional business setting. Internship placements must be approved prior to the experience or permission will not be granted to register for BUS 4940 credit. Students must complete an internship learning contract and have it signed by their internship supervisor and Susan Lane, the faculty sponsor.

Attributes: Upper-Division **Restrictions:** Freshman, Sophomore students are excluded.

<p>CSC 1230 Problem Solving & Programming (5) Offerings</p> <p>Prerequisites: High school pre-calculus, math analysis, or equivalent and demonstratable computer literacy. An introduction to computer science, this course covers problem-solving methods and algorithm development; modern programming methodologies; and fundamentals of a high-level block structured language.</p>
<p>ECN 1100 Fundamentals of Economics (5) Offerings</p> <p>Introduces the principles of economics for non-majors planning to take only one course in economics. Examines demand and supply, the price system, income distribution, determination of national income, employment and prices, economics of environmental issues and the public sector, international trade, economic growth, and capitalism and socialism.</p> <p>Attributes: <i>Social Science B</i></p>
<p>ECN 2101 Principles of Microeconomics (5) Offerings</p> <p>Provides a foundation course for business majors. Topics include supply and demand; markets and the price system; allocation of resources, income distribution, economic power and the public sector; international trade; and comparative economic systems.</p> <p>Attributes: <i>Social Science B</i></p>
<p>ECN 2102 Principles of Macroeconomics (5) Offerings</p> <p>Presents topics including elementary demand and supply, determination of national income, employment and prices, money and banking system, fiscal and monetary policy and economic welfare, economic growth and development and international finance.</p> <p>Attributes: <i>Social Science B</i></p>
<p>ECN 3101 Intermediate Macroeconomics (5) Offerings</p> <p>Prerequisites: ECN 2101, 2102. An analysis of aggregate income, employment and price level; classical and Keynesian perspectives, and recent contributions.</p> <p>Attributes: <i>Upper-Division, Writing "W" Course</i> Restrictions: <i>Freshman students are excluded.</i></p>
<p>ECN 3102 Managerial Economics (5) Offerings</p> <p>Prerequisites: ECN 2101, 2102; BUS 2700. Examines microeconomics at the intermediate level with particular application to operations of the firm. Emphasizes the application of theory to actual situations encountered in the management of firms and explores the use of economic theory for projections and forecasting.</p> <p>Attributes: <i>Upper-Division</i> Restrictions: <i>Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.</i></p>
<p>ECN 4310 International Political Economy (5) Offerings</p> <p>Examines the nature and dynamics of the global economy in relation to the economies and political systems of nations and to theories and models of national, regional and global economic growth. International trade, business and government policy are studied in this context. Offered alternate years.</p> <p>Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i></p>
<p>MAT 2700 Statistics for Business & Econ (5) Offerings</p> <p>Prerequisites: BUS 1700 or CSC 1123 and passing score on Mathematics Proficiency exam. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression and nonparametric statistics.</p> <p>Attributes: <i>Mathematics (MAT)</i></p>

SBS 4911 LASP: Business Seminar (5) Offerings

Prerequisite: Acceptance in Latin American Studies Program. Taught through semester-long program of the Council of Christian Colleges and Universities in Costa Rica. Students investigate management and marketing in Latin America. Businesses explored include export commodities and multinationals marketing in Latin America. Special emphasis given to sources of information for planning. Part of the international business track.

Attributes: *Upper-Division* Restrictions: *Freshman, Non-Matriculated students are excluded.*

THEO 3610 Living in Another Culture (3) Offerings

Addresses practical issues of coping, bonding, lifestyle, family, religions, medical and economic development, evangelism, worship, and team building in another culture. Required for summer ministry teams.

Attributes: *Upper-Division*

ECONOMICS

David L. McKenna Hall
206-281-2970
www.spu.edu/depts/sbe/

Douglas A. Downing, Contact Person
206-281-2890

FACULTY: [Bruce D Baker](#), [Denise Daniels](#), [Jonathan Charles Deming](#), [Douglas Allan Downing](#), [Albert M Erisman](#), [Randal S Franz](#), [Dan W Hess](#), [Gary L Karns](#), [William Kauppila](#), [Herbert E Kierulff](#), [Kenneth E Knight](#), [Ryan Craig LaBrie](#), [Grant LeRoy Learned](#), [Henry L Petersen](#), [Joanna Krystyna Poznanska](#), [James F Rand](#), [Kimberly M Sawers](#), [Regina Pefanis Schlee](#), [Gerhard Steinke](#), [Ross E Stewart](#), [Lisa Klein Surdyk](#), [Jeffrey B Van Duzer](#), [Kenman Wong](#)

Economics is the study of the allocation of scarce resources among competing uses. Many vital issues that affect human welfare are studied in economics at SPU, with emphasis on a Christian perspective on society's decisions about how to organize the production and distribution of goods and services. The economics major presents the study of economics as one of the social sciences. The program is structured to provide the widest latitude for the student to select elective courses that will develop the student's economic interests. (See [Business Administration](#) for the economics concentration in the business administration major.)

Requirements for the Major in Economics

70 credits

Students desiring to major in economics must follow the application process described above. To be awarded a degree with a major in economics, students must meet the major requirements in effect at the time declaration of a major was made and have a minimum of 35 credit hours in the major at SPU.

Note: Demonstration of computer competency is required. This is documented by passing BUS 1700 or CSC 1123, or passing a competency exam covering the equivalent.

For students who will seek employment immediately after graduation, an internship (ECN 4940) is recommended. Students who plan to attend graduate school in economics are encouraged to take these courses: MAT 1225 and MAT 1226 Calculus, MAT 1228 Series and Differential Equations, and BUS 3710 Optimization and Statistics. Students completing these four courses may count these as 5 credits of electives in the economics major, and they may waive the requirement for GEO 1110, POL 1110, or POL 1120.

Requirements for the Minor in Economics

As a compliment to majors such as [political science](#), or for those [preparing for law school](#), the minor in economics can be a valuable addition to the degree. These requirements also satisfy the requirements for a teaching endorsement in economics. The requirements for the minor in economics include a 20-credit core of ECN 2101, ECN 2102, BUS 4899, and either ECN 3101 or ECN 3102, followed by 10 elective credits in ECN or other approved coursework. Formal declaration of the minor is required. Acceptance is based upon an [application](#) to the School of Business and Economics with a minimum cumulative GPA of at least 2.70 in a minimum of 45 quarter credits of coursework.

Need to know when a course is being offered? [Click here](#) for the 2007-08 *Time Schedule*.

ECONOMICS MAJOR

70 Credits Total, Including 60 Upper Division

Suggested Course Sequence

General Economics Core	
Course	Credits
BUS 2700 Statistics for Business & Econ (5)	5
MAT 2700 Statistics for Business & Econ (5)	
ECN 2101 Principles of Microeconomics (5)	10
ECN 2102 Principles of Macroeconomics (5)	
GEO 1110 World Regional Geography (5)	5
POL 1110 Introduction to Politics (5)	
POL 1120 American Government & Politics (5)	
ACCT 2361 Financial Accounting	5
BUS 2600 Managerial Communication	2
ECN 3101 Intermediate Macroeconomics	5
ECN 3102 Managerial Economics	5
ECN 4310 International Political Economy (5)	5
POL 3320 Pol & Econ Developmt of Nations (5)	
BUS 4899 Business Ethics	5
BUS 3700 Quant Meth for Decision Making (3)	3
BUS 3710 Optimization and Statistics (3)	
ECN 4899 Capstone: Political Economy	5
SECTION CREDITS REQUIRED	55
Economics Electives (15 credits required)	
Course	Credits
ECN 2207 Economic Geography (5)	15
ECN 3231 Urban Economics (5)	
ECN 3318 Economics of the Public Sector (5)	
ECN 3321 Money & Banking (5)	
ECN 3635 Marxism:20thCent Theory & Prac (3)	
ECN 3640 Growth of Amer Economic System (3)	
ECN 4641 History of Economic Thought I (1-3)	
ECN 4642 History of Economic Thought II (1-3)	
GEO 3500 Geography of Natural Resources (5)	
SECTION CREDITS REQUIRED	15
TOTAL CREDITS REQUIRED	70

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ECONOMICS MINOR

30 Credits Total, Including 15 Upper Division

Economics Minor Core	
Course	Credits
ECN 2101 Principles of Microeconomics	5
ECN 2102 Principles of Macroeconomics	5
BUS 4899 Business Ethics	5
ECN 3101 Intermediate Macroeconomics (5) ECN 3102 Managerial Economics (5)	5
SECTION CREDITS REQUIRED	20
10 Electives Credits in ECN or approv. coursework	10
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

ECONOMICS COURSE DESCRIPTIONS

ACCT 2361 Financial Accounting (5) [Offerings](#)

Makes clear the ways in which accounting is an information development and communication function that supports economic decision making, and prepares students for subsequent learning. Not recommended for first-quarter freshmen.

BUS 2600 Managerial Communication (2) [Offerings](#)

Prepares students for communicating effectively in organizations. Topics include writing concisely and clearly; writing effective reports and business correspondence, including email and memos; delivering oral presentations; and mastering presentation software.

BUS 2700 Statistics for Business & Econ (5) [Offerings](#)

Prerequisite: Bus 1700 and passing score on Mathematics Proficiency exam or completion of Arithmetic Review. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression, and nonparametric statistics.

[Attributes:](#) *Mathematics (MAT)*

BUS 3700 Quant Meth for Decision Making (3) [Offerings](#)

Prerequisite: BUS 2700. Uses computers for solving quantitative management decision problems. Includes optimization with derivatives; marginal analysis; linear programming; and forecasting methods.

[Attributes:](#) *Upper-Division* [Restrictions:](#) *Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only.*

BUS 3710 Optimization and Statistics (3) [Offerings](#)

Prerequisites: BUS 2700 and MAT 1221 or other previous study of calculus in high school or college. Use computers for solving quantitative management decision problems. Includes multivariable optimization, Lagrange multipliers, linear programming, and forecasting methods.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only.

BUS 4899 Business Ethics (5) Offerings

Prerequisites: UFDN 3100 or equivalent; ECN 2102 or 2102. This senior-level capstone course explores various ethical theories and their application to the practice of business. Gives particular emphasis to Christian ethics and focuses on individual ethical decision making.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics Majors only. Senior students only.

ECN 2101 Principles of Microeconomics (5) Offerings

Provides a foundation course for business majors. Topics include supply and demand; markets and the price system; allocation of resources, income distribution, economic power and the public sector; international trade; and comparative economic systems.

Attributes: Social Science B

ECN 2102 Principles of Macroeconomics (5) Offerings

Presents topics including elementary demand and supply, determination of national income, employment and prices, money and banking system, fiscal and monetary policy and economic welfare, economic growth and development and international finance.

Attributes: Social Science B

ECN 2207 Economic Geography (5) Offerings

A geographic approach to studying economic activities and issues of poverty and wealth at local, national and global levels. Includes understanding class theories in Geography of location analysis and economic base. Examines global trends in trade, creation of wealth, economic development, and economic justice issues. Helps students appreciate the role of Christian non-government organizations in building civil society and assisting community development.

Attributes: Social Science B

ECN 3101 Intermediate Macroeconomics (5) Offerings

Prerequisites: ECN 2101, 2102. An analysis of aggregate income, employment and price level; classical and Keynesian perspectives, and recent contributions.

Attributes: Upper-Division, Writing "W" Course **Restrictions:** Freshman students are excluded.

ECN 3102 Managerial Economics (5) Offerings

Prerequisites: ECN 2101, 2102; BUS 2700. Examines microeconomics at the intermediate level with particular application to operations of the firm. Emphasizes the application of theory to actual situations encountered in the management of firms and explores the use of economic theory for projections and forecasting.

Attributes: Upper-Division **Restrictions:** Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Freshman students are excluded.

ECN 3231 Urban Economics (5) Offerings

Prerequisite: ECN 1100 or 2101. Examines economic and social factors influencing urban growth and land use patterns, especially forces influencing the demand for urban land and affecting intra-urban rent, real estate values and the housing market. Examines such factors as taxation, zoning and other land-use policies as they relate to the development of urban land. Offered alternate years.

Attributes: Upper-Division **Restrictions:** Freshman students are excluded.

ECN 3318 Economics of the Public Sector (5) Offerings

Prerequisite: ECN 1100 or 2101. Presents the rationale for governmental provision of goods and services, non-market decision making, public expenditure analysis, taxation, fiscal policy and the role of the government in economic systems. Offered alternate years.

Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i>
ECN 3321 Money & Banking (5) Offerings
Prerequisites: ECN 2101 and 2102; ACCT 2361. Surveys monetary theory and the role of major financial institutions such as commercial banks, the Federal Reserve System and savings institutions in the monetary system. The impact of bank operations on the quantity and flow of money in the economic system is emphasized.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i>
ECN 3435 Marxism:20thCent Theory & Prac (3) Offerings
Examines the development of varieties of Marxist theory and practice in the 20th century, compares the Soviet, European, Chinese and Latin American experiences with Marxist thought and practice. Offered alternate years.
Attributes: <i>Upper-Division</i>
ECN 3640 Growth of Amer Economic System (3) Offerings
Prerequisites: ECN 1100, or ECN 2101 or 2102. Studies the development of the American economy, with particular attention to the rise of the modern business system and its impact on American society; gives corollary consideration of labor, agriculture, technology and the monetary system. Offered alternate years.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i>
ECN 3810 Community Economic Development (3) Offerings
Prerequisite: THEO 2620. Investigates faith-based community economic development programs, such as those founded by John Perkins. Students will work on a small business project. Some sessions of this class will be held off campus in central Seattle.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i>
ECN 4310 Internationl Political Economy (5) Offerings
Examines the nature and dynamics of the global economy in relation to the economies and political systems of nations and to theories and models of national, regional and global economic growth. International trade, business and government policy are studied in this context. Offered alternate years.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i>
ECN 4641 History of Economic Thought I (1-3) Offerings
Prerequisites: ECN 2101, 2102, or permission of instructor. A study of the development of economic ideas and philosophies from Moses to mercantilism. Focus is on ethics and economics in the biblical, classical, physiocratic and mercantilist schools of economic thought. Offered alternate years. May be repeated for credit up to 3 credits.
Attributes: <i>Upper-Division, Writing "W" Course</i> Restrictions: <i>Freshman students are excluded.</i>
ECN 4642 History of Economic Thought II (1-3) Offerings
Prerequisites: ECN 2101, 2102 and 4641. Continuation of ECN 4641.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman students are excluded.</i>
ECN 4899 Capstone: Political Economy (5) Offerings
Prerequisites: ECN 2101, 2102. This capstone course studies the interrelationship between politics and economics and their effect on human welfare.
Attributes: <i>Upper-Division, Writing "W" Course</i> Restrictions: <i>Accounting, Business Administration, Computer Science, Economics, Family & Consumer Sciences, Food & Nutritional Sciences, Textiles, Clothing & Interiors Majors only. Senior students only.</i>
ECN 4900 Independent Study in Economics (1-5) Offerings
The student proposes a topic of current interest in business to a professor in the School of Business and Economics. The student meets with the professor to discuss a bibliography and rough drafts before turning in the final draft of a paper. A 5-credit independent study requires a total of 30 pages of written work. In

general, the number of pages of written work must be six times the number of credits, or there must be equivalent work in exams or other requirements. May be repeated for credit up to 5 credits.

Attributes: *Upper-Division*

ECN 4940 Internship in Economics (1-5) Offerings

Prerequisite: BUS 3910. Provides an opportunity for reflection on a student's internship experience. The internship, paid or unpaid, must have a minimum commitment of 10 hours/week or 100 hours during the quarter, be related to students' Business Administration major and have provided opportunities for students to relate and apply principles of business, faith, service, and leadership to a professional business setting. Internship placements must be approved prior to the experience or permission will not be granted to register for BUS 4940 credit. Students must complete an internship learning contract and have it signed by their internship supervisor and Susan Lane, the faculty sponsor.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

ECN 4941 Advanced Internship (1-5) Offerings

Prerequisite: ECN 4940. Provides students the opportunity to specialize their applied learning to economic issues and questions through individualized guidance with an economics faculty sponsor, first-hand experience in their internship sites, academic research, and face-to-face interviews with professionals. May be repeated for credit up to 6 credits.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

GEO 1110 World Regional Geography (5) Offerings

Provides familiarity with character of major world regions. Emphasizes variations in levels of economic development and resource distribution among nations, and appreciation for diversity of world cultures.

Attributes: *Social Science B*

GEO 3500 Geography of Natural Resources (5) Offerings

Examines geographic distribution and economic valuation of the earth's resources both within American public-policy choices and at the international level. Compares notions of wise use, consumption, sustainability and stewardship in relation to Christian tradition.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

MAT 2700 Statistics for Business & Econ (5) Offerings

Prerequisites: BUS 1700 or CSC 1123 and passing score on Mathematics Proficiency exam. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression and nonparametric statistics.

Attributes: *Mathematics (MAT)*

POL 1110 Introduction to Politics (5) Offerings

Analyzes the theory and practice of politics by discussing different approaches to the nature of political knowledge and the significance that this knowledge has for political leadership and citizenship. Although the focus is primarily on political behavior in the United States, opportunity will be taken to examine political practices within other countries (comparative politics) and among other countries (international relations).

Attributes: *Social Science B*

POL 1120 American Government & Politics (5) Offerings

Surveys the founding principles of the American political system and examines the development and operation of major national institutions such as Congress, the presidency, the bureaucracy, the Supreme Court, political parties and the media.

Attributes: *Social Science B*

POL 3320 Pol & Econ Developmt of Nations (5) Offerings

Studies theories and experiences of "nation-building," both political and economic, primarily in Lesser Developed Countries. Evaluates concepts of authority, economic growth and human well-being, and the policies used to achieve these in different cultures and systems. Offered alternate years.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

BUSINESS & ECONOMICS DEPARTMENT FACULTY

- Baker, Bruce D.** Instructor of Business Ethics; B.S., Calif Institute Tech 1978; Master of Bus Administration, Stanford University 1981; M.Div., Fuller Theological Seminary 2001. At SPU since 2006. ([Contact Info](#))
- Daniels, Denise.** Professor of Management; Joseph C. Hope Professor of Leadership & Ethics; B.A., Wheaton College IL 1991; Doctor of Philosophy, University of Washington 1997. At SPU since 1996. ([Contact Info](#))
- Deming, Jonathan Charles.** Associate Professor of Economics; B.A., Whitman College 1971; Master of Arts, University of Oregon 1974; Doctor of Philosophy, University of Oregon 1979. At SPU since 1977. ([Contact Info](#))
- Downing, Douglas Allan.** Department Chair of Undergraduate Committee / Associate Professor of Economics; B.S., Yale University 1979; Master of Arts, Yale University 1982; Doctor of Philosophy, Yale University 1987. At SPU since 1983. ([Contact Info](#))
- Erisman, Albert M.** Executive in Residence; B.S., Northrn Illinois University 1962; Master of Science, Iowa State University 1967; Doctor of Philosophy, Iowa State University 1969. At SPU since 2001. ([Contact Info](#))
- Franz, Randal S.** Associate Professor of Management; B.A., Calif State University Sacramento 1982; Master of Arts, Stanford University 1988; Doctor of Philosophy, Stanford University 1991. At SPU since 1991. ([Contact Info](#))
- Hess, Dan W.** Professor of Finance; B.A., Wheaton College IL 1971; Master of Bus Administration, University of Washington 1975; Doctor of Philosophy, University of Arizona 1982. At SPU since 1977. ([Contact Info](#))
- Karns, Gary L.** Professor of Marketing; Associate Dean; Graduate Director; B.A., University of Oklahoma 1976; Master of Bus Administration, University of Oklahoma 1977; Doctor of Philosophy, University of Washington 1987. At SPU since 1979. ([Contact Info](#))
- Kauppila, William.** Clinical Instructor; B.S., Northrn Michigan University 1967; Master of Bus Administration, Westrn Michigan University 1968. At SPU since 2006. ([Contact Info](#))
- Kierulff, Herbert E.** Donald Snellman Professor of Entrepreneurship & Finance; B.A., Stanford University 1959; Master of Bus Administration, University of Southern California 1964; Doctor of Business Admin, University of Southern California 1967. At SPU since 1980. ([Contact Info](#))
- Knight, Kenneth E.** Professor of Information Systems and Management; B.S., Yale University 1959; Master of Science, Carnegie Mellon University 1961; Doctor of Philosophy, Carnegie Mellon University 1964. At SPU since 1989. ([Contact Info](#))
- LaBrie, Ryan Craig.** Associate Professor of Management and Information Systems; B.S., Seattle Pacific University 1993; Master of Science, Seattle Pacific University 1997; Doctor of Philosophy, Arizona State University Tempe 2004. At SPU since 2004. ([Contact Info](#))
- Learned, Grant LeRoy.** Assistant Professor of Business Law; B.A., Seattle Pacific University 1990; Master of Bus Administration, University of Washington 2001; Juris Doctorate, University of Washington 2002. At SPU since 2005. ([Contact Info](#))
- Petersen, Henry L.** Assistant Professor of Management; B.S., University of Calgary 1993; Master of Science, University of Calgary 1998; Doctor of Philosophy, University of Calgary 2004. At SPU since 2003. ([Contact Info](#))
- Poznanska, Joanna Krystyna.** Professor of International Business; Master of Arts, University of Warsaw 1970; Doctor of Philosophy, Warsaw University of Technology 1976. At SPU since 1988. ([Contact Info](#))
- Rand, James F.** Executive in Residence; B.S., Marquette University 1963; Bachelor of Laws, La Salle University PA 1972; Doctor of Philosophy, Alliant International Univ 1976. At SPU since 1993. ([Contact Info](#))
- Sawers, Kimberly M.** Assistant Professor of Accounting; B.S., Southrn Oregon University 1985; Master of Bus Administration, Seattle Pacific University 1994; Doctor of Philosophy, University of Washington 2002. At SPU since 2006. ([Contact Info](#))
- Schlee, Regina Pefanis.** Associate Professor of Marketing; B.A., University of Nevada Las Vegas 1976; Master of Arts, Washington State University 1978; Doctor of Philosophy, Washington State University 1981. At SPU since 1984. ([Contact Info](#))
- Steinke, Gerhard.** Professor of Management & Information Systems; B.S., University of Alberta 1975; M.A.Rel., Anderson University 1984; Master of Bus Administration, Ball State University 1984; Doctor of Philosophy, University of Passau 1992. At SPU since 1992. ([Contact Info](#))
- Stewart, Ross E.** Department Chair of SBE Applied Learning Committee / Professor of Accounting; B.Com., University of Auckland 1977; M.Com., University of Auckland 1979; Master of Science, Regent College 1983; Doctor of Philosophy, University of Glasgow 1987. At SPU since 1986. ([Contact Info](#))
- Surdyk, Lisa Klein.** Department Chair of Faculty Development / Associate Professor of Economics; B.A., Seattle Pacific University 1987; Doctor of Philosophy, University of Washington 1991. At SPU since

1991. ([Contact Info](#))

Van Duzer, Jeffrey B. Dean, School of Business and Economics; B.A., University of Calif Berkeley 1976; Juris Doctorate, Yale University 1979. At SPU since 2001. ([Contact Info](#))

Wong, Kenman. Professor of Business Ethics; B.S., Biola University 1986; Master of Bus Administration, University of Washington 1987; Doctor of Philosophy, University of Southern California 1996. At SPU since 1997. ([Contact Info](#))

School of Education

Peterson Hall
206-281-2214
www.spu.edu/depts/soe/

William J. Rowley, Dean of the School of Education

Faculty: Scott F. Beers, Rick Eigenbrood, Pamela J. Harris, Sharon D. Hartnett, Frank M. Kline, Debra S. Lierman, Nyaradzo H. Mvududu

Teacher Certification

[Elementary Certification Requirements](#)

[Secondary Certification Requirements](#)

[K-12 Certification Requirements for Art, Drama, Music, and Health/Fitness](#)

[Majors for Elementary Teachers](#)

Family and Consumer Sciences

Fine and Applied Arts

Language Arts

Mathematics

General Science

Social Science

[Special Education \(K-12\)](#)

The mission of the SPU School of Education is to prepare educators for service and leadership in schools and communities by developing their professional competence and character within a framework of Christian faith and values.

The vision of the SPU School of Education is to influence the region, the nation, and the world through the preparation of educational leaders for public and private schools.

The primary purpose of the undergraduate program in the School of Education is to prepare competent teachers who integrate academic training and Christian faith with professional practice.

School of Education programs are accredited by the National Council for Accreditation of Teacher Education (NCATE). Certification programs in the School of Education are also accredited by the Washington Educator Standards Board and meet residency requirements for Washington state elementary, secondary and K-12 teaching certificates.

The basic certification programs in the School of Education reflect an underlying philosophy and knowledge base that permeates all courses and field experiences. This knowledge base consists of two elements: (1) the theoretical and philosophical foundations of education drawn from the social and behavioral sciences; and (2) the effective teaching and schooling research. The following categories shape the competency base for the residency certification programs at SPU. These categories contain national, state, and Seattle Pacific competencies for teachers:

Category I: Establish and maintain a positive student-focused learning environment. Demonstrate sensitivity to human diversity in teaching and relationships with students, parents, and the community.

Category II: Design and adapt challenging curriculum that is responsive to students' cognitive, social, and moral development.

Category III: Use effective teaching practices.

Category IV: Use appropriate assessments to monitor and improve instruction.

Category V: Integrate technology into instruction and assessment.

Category VI: Use information on student performance to advise and involve students and families; inform, involve, and collaborate with families to support student success.

Category VII: Evaluate effects of a student's teaching through feedback and reflection. Establish goals for professional improvement.

Category VIII: Demonstrate skills, knowledge, and attitudes that contribute to professional, ethical behavior.

Overview of Residency Teacher Certification Program

The professional program leading to residency teacher certification at SPU consists of three parts:

1. The Foundations and Methods Courses
2. The Skills Courses
3. The Applications Courses

The Foundations/Methods quarters consist of the theory and background of teaching with only limited application. The skills courses are non-blocked requirements that support the methods courses. The application courses focus on applying the theory and background learned in the Foundations/Methods quarters.

Degree Requirements for Undergraduate Students

Undergraduate students must complete all the requirements for a bachelor's degree in addition to the certification program.

Teacher Certification

Elementary Certification. Students pursuing elementary certification may major in any subject area. Some broad field majors specifically available, although not required, for elementary certification are family and consumer sciences, fine and applied arts, language arts, mathematics, general science, and social science.

Secondary Certification. Students pursuing secondary certification need to work closely with the certification coordinator to make sure all endorsement requirements are being met. Please contact the Certification Advisor in the School of Education for more information.

K–12 Certification. K–12 endorsements include art, drama, foreign languages, music, health/fitness, and special education. Students obtaining a K–12 endorsement in art, music or health/fitness will complete one quarter of internship at the elementary level and another quarter of internship at the secondary level.

Transfer Students

All transfer students are required to take the entire certification program at SPU. Any exceptions must be approved through substitution and petition processes in the School of Education. If substitutions and petitions are granted, a minimum of 26 credits, including the internship, must be completed as a regularly enrolled student at SPU.

Upon arrival at SPU and prior to registration, transfer students should meet with the certification advisor regarding course substitution requirements and procedures.

Post-Baccalaureate Students

Students pursuing certification after receiving a bachelor's degree from an accredited institution recognized by the state of Washington do not earn a second degree. However, they must still meet state requirements for an endorsement and be approved by the School of Education. They must pass the state WEST-B and West-E/Praxis II tests prior to being accepted into the Residency Certification Program.

Advising

To complete the residency certification program in a timely manner, students need competent academic advice. The School of Education provides individual sessions with the certification advisor to answer questions and help with the certification process. As soon as a student identifies a desire to be a teacher, he or she should make arrangements to make an appointment for advising by calling 206-281-2214.

Admission to the School of Education

A student enrolling in the Foundations Quarter is considered a tentative candidate for admission to the School of Education. Before the Methods Quarter, the student is asked to prepare a formal application for full admission to the School of Education. The student may continue the sequence of courses leading to certification upon full admission to the School of Education and fulfillment of the prerequisites to the appropriate quarters.

To achieve admission to the School of Education, a candidate must meet the following:

1. Complete the Foundations Quarter, achieving a B average with no grade lower than a C. The prerequisite coursework must be no more than five years old.
2. Receive a favorable recommendation from the Foundations team.

3. Achieve a cumulative GPA of 3.0 or a 3.3 GPA in the last 45 credits of college or university work.
4. Receive passing scores on all three sections of the Washington Educator Skills Test-Basic (WEST-B).
5. Take the appropriate Washington Educator Skills Test-Endorsement/Praxis II test (West-E/Praxis II).
6. File a formal application for admission to the School of Education.

Registration

Most classes in the certification program require School of Education permission to register. Before registering, students must go to the School of Education office to fill out any necessary paperwork and confirm appropriate prerequisites have been passed. No appointment is necessary for this process.

Certification

Upon successful completion of the residency certification program, the Seattle Pacific University School of Education recommends candidates to the state of Washington for teacher certification. Though SPU makes recommendations to the state, the state issues the certificate not the School of Education. All teacher certification candidates are subject to Washington requirements for the residency teaching certificate. These requirements may be changed by updates by the state and override anything stated in the *Undergraduate Catalog*. Please see the education office for updates on state requirements.

Internship Placement and Supervision Policy

Students anticipating teaching internships should be aware of the School of Education school-site placement policy:

1. Internship sites will be selected from districts within 50 miles of Seattle Pacific University that have contractual internship agreements with SPU. In an effort to facilitate supervision, attempts will be made to place groups of interns near each other.
2. Interns will be placed in settings that are new to them in an effort to broaden their school experience. Schools where interns have been students, or parents of students, volunteers, aides, or coaches will not generally be considered.
3. Since internships must be arranged in cooperation with school personnel, the School of Education cannot guarantee that an internship will be provided in a certain quarter. Every attempt will be made to assign students to their preferred quarters as space permits.
4. Internships not directly supervised by SPU School of Education faculty will not be provided.

Internship Professional Expectations

1. Interns will be responsible for filing written notification of any changes in their internship plans at least five weeks prior to the first quarter of the scheduled internship. Failing to do so may jeopardize placement.
2. It is strongly recommended that students not be employed during the integrated and internship quarters because of the time and professional demands of the internship program. During these quarters students may not enroll in other courses.
3. Interns are expected to provide their own transportation to the internship school sites.

Moral Character and Personal Fitness Policy

Teacher certification programs at SPU include experiences working closely with children in public and private schools. The protection of children is a paramount concern. Consequently, the School of Education reserves the right to refuse placement of any SPU student in any field experience. Any SPU student registering for any School of Education course that involves working with children does so with the following understanding:

1. Admission to the course and subsequent placement with children may be denied if fitness for such a placement is questionable in the exclusive judgment of the University.
2. The student may be required to withdraw from the course, practicum experience, or the certification program should the School of Education receive information during the course of a practicum placement that raises a concern about the fitness of the person to work with children.
3. Information received about the fitness of the student working with children may be shared with the school district to determine if a placement can and should be made or continued.
4. Ultimately, the SPU School of Education cannot override school districts, and practicum placements are dependent on school district cooperation and subject to school-district approval.
5. Denial of, or removal from, a practicum setting due to lack of fitness to work with children will result in a denial of admission to the teacher education program or in being dropped from a program if a student has already been admitted.

6. In addition to satisfying the requirements of SPU, in order to receive certification, good moral character, and person fitness must be established by each student with Washington state's Office of the Superintendent of Public Instruction, Office of Professional Practice.

ELEMENTARY CERTIFICATION REQUIREMENTS

For a complete overview of the Residency Teacher Certification Program, visit the [School of Education](#) in this *Catalog*.

Foundations Quarter

Prerequisites include official admission to SPU; sophomore standing (45 credits); cumulative 2.8 GPA or 3.0 GPA in last 30 credits; start a file in the School of Education (please contact the [education office](#) to obtain paperwork); approved general [psychology](#) or general [sociology](#) class with a grade of C or better.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education; cumulative 3.0 GPA or 3.3 in last 45 credits; successful completion of MAT 2530, MAT 2531, EDRD 2000, and EDSC 2566; fingerprint clearance; passing scores on WEST-B test; and take the appropriate WEST-E/Praxis II test.

Methods and Skills Courses

These courses may be taken independently of each other and the professional quarters. See specific course descriptions for prerequisites. A student must receive a grade of C or better in all methods and skills courses to be recommended for certification.

Integrated and Internship Quarters

Prerequisites include successful completion of the Methods Quarter; completing 15 upper-division credits in a major; receiving a passing score on the appropriate WEST-E/Praxis II; participating in an internship placement interview; and senior standing (135 credits).

Integrated and Internship Quarters must be taken sequentially, and a grade of B or better is required for Elementary Internship A and B.

SECONDARY CERTIFICATION REQUIREMENTS

For a complete overview of the Residency Teacher Certification Program, visit the [School of Education](#) in this *Catalog*.

Foundations Quarter

Prerequisites include official admission to SPU; sophomore standing (45 credits); cumulative 2.8 GPA or 3.0 GPA in last 30 credits; start a file in the School of Education (please contact the [education office](#) to obtain paperwork); approved general [psychology](#) or general [sociology](#) class with a grade of C or better.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education; cumulative 3.0 GPA or 3.3 in last 45 credits; and fingerprint clearance. Passing scores on WEST-B test and having taken the WEST-E/Praxis II test.

Methods and Skills Courses

These courses may be taken independently of each other and the professional quarters. See specific course descriptions for prerequisites. A student must receive a grade of C or better in all methods and skills courses to be recommended for certification.

Integrated and Internship Quarters

Prerequisites include successful completion of the Methods Quarter; completion of 15 upper-division credits in a major; receiving a passing score on the appropriate WEST-E/Praxis II; participating in an internship placement interview; and have senior standing (135 credits).

Integrated and Internship Quarters must be taken sequentially, and a grade of B or better is required for Secondary Internship A and B.

K-12 CERTIFICATION REQUIREMENTS FOR ART, DRAMA, MUSIC, AND HEALTH/FITNESS

For a complete overview of the Residency Teacher Certification Program, visit the [School of Education](#) in this *Catalog*.

K–12 certification students must check with their disciplines' advisor for specific requirements.

Foundations Quarter

Prerequisites include official admission to SPU; sophomore standing (45 credits); cumulative 2.8 GPA or 3.0 GPA in last 30 credits; starting a file in the School of Education (please contact the education office to obtain paperwork); approved general [psychology](#) or general [sociology](#) course with a grade of C or better.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education; cumulative GPA of 3.0 or 3.3 in last 45 credits; and fingerprint clearance. Passing scores on WEST-B test and have taken WEST-E/Praxis II test.

Methods and Skills Courses

These courses may be taken independently of each other and the professional quarters. See specific course descriptions for pre-requisites. A student must receive a grade of C or better in all methods and skills courses to be recommended for certification.

Integrated and Internship Quarters

Prerequisites include successful completion of the Methods Quarter; completion of 15 upper-division credits in a major; receiving a passing score on the appropriate WEST-E/Praxis II; participating in an internship placement interview; and having senior standing (135 credits).

Integrated and Internship Quarters must be taken sequentially, and a grade of B or better is required for Secondary Internship A and B.

[Requirements for the K–12 Certification requirements for Art](#)
[Requirements for the K-12 Certification requirements for Drama](#)
[Requirements for the K-12 Certification requirements for Health/Fitness](#)
[Requirements for the K-12 Certification requirements for Music](#)

MAJORS FOR ELEMENTARY TEACHERS

For a complete overview of the Residency Teacher Certification Program, visit the [School of Education](#) in this *Catalog*.

Majors for Elementary Teachers

To be admitted to these broad field majors, students must meet the admission requirements of both the School of Education and the appropriate school or department in which the courses are offered. For initial advising, contact the School of Education certification advisor. The majors listed below are specially designed for students who are seeking elementary certification. However, students seeking an elementary endorsement are not limited to these majors.

Family and Consumer Sciences

[Barbara Bovy](#), Advisor, Family, and Consumer Sciences (FCS)

[Requirements for Family and Consumer Sciences](#)

Fine and Applied Arts

[Andrew Ryder](#), Advisor, Theatre Department

[Requirements for Fine and Applied Arts](#)

Note: Fine and applied arts majors need to plan carefully so as to meet the University "W" requirement for graduation.

Language Arts

[Luke Reinsma](#), Advisor, English Department

[Requirements for Language Arts](#)

Note: Language arts majors need to plan carefully so as to meet the University "W" requirement for graduation.

Note: Students choosing the language arts major must fulfill the requirement for proficiency in a second language. The requirement, equal to the completion of the third quarter of a University-level language course, may be met by the study of any modern or classical language.

Mathematics Education

[Sharon Young](#), Advisor, Mathematics Department

[Requirements for Mathematics](#)

Note: Mathematics majors need to plan carefully so as to meet the University "W" requirement for graduation.

Note: MAT 1521 is highly recommended; a maximum of 2 credits in MAT 4930 may be applied.

General Science

[Eleanor Close](#), Advisor, Physics Department

[Requirements for General Science](#)

Note: General science majors need to plan carefully so as to meet the University "W" requirement for graduation.

Social Science

[Donald Holsinger](#), Advisor, History Department

[Requirements for Social Science](#)

Note: Social science majors need to plan carefully so as to meet the University "W" requirement for graduation.

Elementary Certification (73 Credits)

[Suggested Course Sequence](#)

Foundations Quarter	
Course	Credits
EDU 2104 Introduction to Education (2)	8
EDU 2200 Foundations & Educational Psych (3)	
EDU 2300 Diversity & the Classroom (3)	
SECTION CREDITS REQUIRED	8
Methods and Skills Courses	
Course	Credits
ART 3546 Art Education (3)	3
MUS 3501 Elementary Methods & Materials (3)	
TRE 3800 Theatre Education Methods (3)	
EDRD 4516 Children's Literature (3)	3
EDRD 4517 Young Adult Literature (3)	
MAT 2530 Survey of Mathematics I (3)	5

MAT 2531 Survey of Mathematics II(2)	
EDRD 2000 Reading I:Psychology of Readng	3
EDSC 2566 Environmt Ed:Ed for Elem Tchrs	5
EDU 3942 September Experience	1
SECTION CREDITS REQUIRED	20
Methods Quarter (must be taken Concurrently)	
Course	Credits
EDU 3200 Elem Gen Meth I:Classrm Mangmt	2
EDRD 3200 Readng II:Rdg & Lang Arts Meth	2
EDMA 3000 Math Methods I:Teachg K-8 Math	2
EDSC 3200 Social Studies/Science Mthds I	1
EDU 3105 Laboratory Experience:Elemntry	2
SECTION CREDITS REQUIRED	9
Integrated Quarter (must be taken concurrently)	
Course	Credits
EDU 4200 Elem Gen Mth II:Strat Dvrs Lrn	2
EDRD 4200 Rdg III:Intrvnt Strugglng Rdrs	2
EDMA 4000 Math Methods II:Tchng K-8 Math	2
EDSC 4200 Social Studies/Sci/Hlth Mth II	3
EDU 4941 Elementary School Internship A	9
SECTION CREDITS REQUIRED	18
Internship Quarter (must be taken Concurrently)	
Course	Credits
EDU 4899 Teacher as Person-Capstone	2
EDTC 4236 Intgrate Tech for Elem Teachrs	1
EDU 4942 Elementary School Internship B	15
SECTION CREDITS REQUIRED	18
TOTAL CREDITS REQUIRED	73

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

Elementary Emphasis Special Education Certification (62 Credits)

Suggested Course Sequence

Foundations Quarter	
Course	Credits
EDU 2104 Introduction to Education (2)	
EDU 2200 Foundations & Educational Psych (3)	8
EDU 2300 Diversity & the Classroom (3)	
SECTION CREDITS REQUIRED	8
Methods and Skills Courses	
Course	Credits
MAT 2530 Survey of Mathematics I (3)	
MAT 2531 Survey of Mathematics II (2)	5
EDU 3942 September Experience	1
SECTION CREDITS REQUIRED	6
Elective Courses	
Course	Credits
ART 3546 Art Education (3)	
EDSC 2566 Environmt Ed:Ed for Elem Tchrs (5)	
MUS 3501 Elementary Methods & Materials (3)	
MUS 3502 Music in Special Education (3)	6
PES 2555 Methods of Teaching Health (5)	
PES 3510 Teaching Physical Education (5)	
PES 3545 Programs for Special Populatns (3)	
SECTION CREDITS REQUIRED	6
Methods Quarter (must be taken Concurrently)	
Course	Credits
EDU 3200 Elem Gen Meth I:Classrm Mangmt	2
EDMA 3000 Math Methods I:Teachg K-8 Math	2
EDU 3105 Laboratory Experience:Elemntry	2
SECTION CREDITS REQUIRED	6
Integrated Quarter (must be taken Concurrently)	
Course	Credits
EDU 4200 Elem Gen Mth II:Strat Dvrs Lrn	2
EDMA 4000 Math Methods II:Tchng K-8 Math	2
EDU 4941 Elementary School Internship A	1-18
SECTION CREDITS REQUIRED	18
Internship Quarter (must be taken Concurrently)	
Course	Credits
EDU 4899 Teacher as Person-Capstone	2
EDTC 4236 Intgrate Tech for Elem Teachrs	1

EDU 4942 Elementary School Internship B	1-18
SECTION CREDITS REQUIRED	18
TOTAL CREDITS REQUIRED	62

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

K-12 Art Certification Requirements (54 Credits)

Suggested Course Sequence

Foundations Quarter	
Course	Credits
EDU 2104 Introduction to Education (2)	
EDU 2200 Foundations & Educational Psych (3)	8
EDU 2300 Diversity & the Classroom (3)	
SECTION CREDITS REQUIRED	8
Methods and Skills Courses	
Course	Credits
EDU 3942 September Experience	1
EDU 4530 Topics in Secondary Education	2
ART 3546 Art Education	3
SECTION CREDITS REQUIRED	6
Methods Quarter (must be taken Concurrently)	
Course	Credits
EDU 3250 Sec Gen Mth I:Plan & Cls Mngmt	2
EDU 3105 Laboratory Experience:Elemntry (2)	
EDU 3106 Laboratory Experience:Secndry (2)	2
SECTION CREDITS REQUIRED	4
Integrated Quarter (must be taken concurrently)	
Course	Credits
EDU 4200 Elem Gen Mth II:Strat Dvrs Lrn	2
EDU 4944 Elementary Internship:Art	16
SECTION CREDITS REQUIRED	18
Internship Quarter (must be taken concurrently)	
Course	Credits
EDTC 4236 Intgrate Tech for Elem Teachers (1)	
EDTC 4237 Integrtn of Tech Secndry Tchrs (1)	1
EDU 4899 Teacher as Person-Capstone	2

EDU 4945 Secondary Internship A	15
SECTION CREDITS REQUIRED	18
TOTAL CREDITS REQUIRED	54

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

K-12 Drama Certification Requirements (54 Credits)

[Suggested Course Sequence](#)

Foundations Quarter	
Course	Credits
EDU 2104 Introduction to Education (2)	
EDU 2200 Foundations & Educational Psych (3)	8
EDU 2300 Diversity & the Classroom (3)	
SECTION CREDITS REQUIRED	8
Methods and Skills Courses	
Course	Credits
EDU 3942 September Experience	1
EDU 4530 Topics in Secondary Education	2
TRE 3800 Theatre Education Methods	3
SECTION CREDITS REQUIRED	6
Methods Quarter (must be taken Concurrently)	
Course	Credits
EDU 3250 Sec Gen Mth I: Plan & Cls Mngmt	2
EDU 3105 Laboratory Experience: Elemntry (2)	2
EDU 3106 Laboratory Experience: Secndry (2)	
SECTION CREDITS REQUIRED	4
Integrated Quarter	
Course	Credits
EDU 4945 Secondary Internship A	18
SECTION CREDITS REQUIRED	18
Internship Quarter (must be taken concurrently)	
Course	Credits
EDTC 4236 Intgrate Tech for Elem Teachrs (1)	
EDTC 4237 Integrtn of Tech Secndry Tchrs (1)	1
EDU 4899 Teacher as Person-Capstone	2
EDU 4946 Secondary Internship B	15

SECTION CREDITS REQUIRED	18
TOTAL CREDITS REQUIRED	54

Additional Requirements:	
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog	

K-12 Health/Fitness Certification Requirements (56 Credits)

[Suggested Course Sequence](#)

Foundations Quarter	
Course	Credits
EDU 2104 Introduction to Education (2)	
EDU 2200 Foundations & Educational Psych (3)	8
EDU 2300 Diversity & the Classroom (3)	
SECTION CREDITS REQUIRED	8
Methods and Skills Courses	
Course	Credits
EDU 3942 September Experience	1
EDU 4530 Topics in Secondary Education	2
PES 3510 Teaching Physical Education	5
SECTION CREDITS REQUIRED	8
Methods Quarter (must be taken Concurrently)	
Course	Credits
EDU 3250 Sec Gen Mth I:Plan & Cls Mngmt	2
EDU 3105 Laboratory Experience:Elemntry (2)	2
EDU 3106 Laboratory Experience:Secndry (2)	
SECTION CREDITS REQUIRED	4
Integrated Quarter	
Course	Credits
EDU 4948 Elementary Internship:PE	18
SECTION CREDITS REQUIRED	18
Internship Quarter (must be taken concurrently)	
Course	Credits
EDTC 4236 Intgrate Tech for Elem Teachrs (1)	
EDTC 4237 Integrtn of Tech Secndry Tchrs (1)	1
EDU 4899 Teacher as Person-Capstone	2
EDU 4945 Secondary Internship A	15

SECTION CREDITS REQUIRED	18
TOTAL CREDITS REQUIRED	56

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

K-12 Music Certification Requirements (66 Credits)

[Suggested Course Sequence](#)

Foundations Quarter	
Course	Credits
MUS 2550 Foundations of Music Education	3
EDU 2104 Introduction to Education	2
SECTION CREDITS REQUIRED	5
Methods and Skills Courses	
Course	Credits
MUS 3502 Music in Special Education	3
MUS 3503 Gen Music Methods & Materials	3
MUS 3504 Choral Mus Methods & Matrials	2
MUS 3505 Instrmntl Mus Meths & Matrials	2
MUS 3608 Music Technology Applications	5
MUS 4655 Context Studies in Music II	3
EDU 3942 September Experience	1
EDU 4530 Topics in Secondary Education	2
SECTION CREDITS REQUIRED	21
Methods Quarter (must be taken Concurrently)	
Course	Credits
EDU 3250 Sec Gen Mth I:Plan & Cls Mngmt	2
EDU 3105 Laboratory Experience:Elemntry(2)	2
EDU 3106 Laboratory Experience:Secondry(2)	2
SECTION CREDITS REQUIRED	4
Integrated Quarter	
Course	Credits
EDU 4943 Elementary Internship:Music	18
SECTION CREDITS REQUIRED	18

Internship Quarter (must be taken concurrently)	
Course	Credits
EDU 4899 Teacher as Person-Capstone	2
EDU 4945 Secondary Internship A	16
SECTION CREDITS REQUIRED	18
TOTAL CREDITS REQUIRED	66

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

Secondary Certification (56 Credits)

[Suggested Course Sequence](#)

Foundations Quarter	
Course	Credits
EDU 2104 Introduction to Education (2)	8
EDU 2200 Foundations & Educational Psych (3)	
EDU 2300 Diversity & the Classroom (3)	
SECTION CREDITS REQUIRED	8
Methods and Skills Courses	
Course	Credits
EDU 4530 Topics in Secondary Education	2
EDU 3942 September Experience	1
SECTION CREDITS REQUIRED	3
Methods Quarter (must be taken Concurrently)	
Course	Credits
EDU 3250 Sec Gen Mth I: Plan & Cls Mngmt	2
EDRD 4530 Rdng & Wrtng Across Curriculum	2
EDU 3106 Laboratory Experience: Secondary	2
SECTION CREDITS REQUIRED	6
Integrated Quarter (must be taken Concurrently)	
Course	Credits
EDU 4250 Sec Gen Mth II: Strat Dvrs Lrn	3
EDU 4945 Secondary Internship A	15
SECTION CREDITS REQUIRED	18

Internship Quarter (must be taken Concurrently)	
Course	Credits
EDTC 4237 Integrtn of Tech Secndry Tchrs	1
EDU 4899 Teacher as Person-Capstone	2
EDU 4946 Secondary Internship B	15
SECTION CREDITS REQUIRED	18
Choose Group of Course(s) Appropriate to Endorsement Area:	
Course	Credits
EDU 3361 Secondary English Methods (3)	4
EDU 3561 Field Exper:Secondary English (1)	
FCS 4511 Curr & Eval in FCS Education	5
LIN 2100 Foundations of Language Study (5)	10
LIN 4365 Methodologies Foreign Lng Tchg (5)	
EDU 3564 Field Exper:Sec Social Studies (1)	4
EDU 4364 Teachng Secndry Social Studie (3)	
EDMA 3357 Teaching Secondary Mathematics (3)	4
EDU 3557 Field Exper: Secondary Math (1)	
EDU 4315 Middle School Methods	3
EDSC 3359 Teaching Secondary Science (3)	4
EDU 3559 Field Exper: Secondary Science (1)	
SECTION CREDITS REQUIRED	3
TOTAL CREDITS REQUIRED	56

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

Secondary Emphasis Special Education Certification (57 Credits)

[Suggested Course Sequence](#)

Foundations Quarter	
Course	Credits
EDU 2104 Introduction to Education	2
EDU 2200 Foundations & Educational Psych	3
EDU 2300 Diversity & the Classroom	3
SECTION CREDITS REQUIRED	8
Methods and Skills Courses	
Course	Credits
EDU 3942 September Experience	1

SECTION CREDITS REQUIRED	1
Elective Courses	
Course	Credits
ART 3546 Art Education (3)	
EDMA 3357 Teaching Secondary Mathematics (3)	
EDSC 3359 Teaching Secondary Science (3)	
EDU 3361 Secondary English Methods (3)	
EDU 4364 Teachng Secondry Social Studie (3)	6
FCS 4511 Curr & Eval in FCS Education (5)	
MUS 3502 Music in Special Education (3)	
MUS 3503 Gen Music Methods & Materials (3)	
PES 3545 Programs for Special Populatns (3)	
SECTION CREDITS REQUIRED	6
Methods Quarter (must be taken Concurrently)	
Course	Credits
EDU 3250 Sec Gen Mth I:Plan & Cls Mngmt	2
EDU 4530 Topics in Secondary Education	2
EDU 3106 Laboratory Experience:Secondry	2
SECTION CREDITS REQUIRED	6
Integrated Quarter (must be taken Concurrently)	
Course	Credits
EDU 4250 Sec Gen Mth II: Strat Dvrs Lrn	3
EDSP 4948 Secondary Spec Ed Intrnship A	1-18
SECTION CREDITS REQUIRED	18
Internship Quarter (must be taken Concurrently)	
Course	Credits
EDU 4899 Teacher as Person-Capstone	2
EDTC 4236 Intgrate Tech for Elem Teachrs	1
EDU 4942 Elementary School Internship B	1-18
SECTION CREDITS REQUIRED	18
TOTAL CREDITS REQUIRED	57

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

Fine and Applied Arts Major (66 Credits)

Suggested Course Sequence

Education: Visual Arts Core	
Course	Credits
ART 1180 The Visual Arts	5
ART 1102 Drawing Studio:Observtn&Realism (5) ART 1103 Drawing Studio:Concept&Compstn (5)	5
ART 3546 Art Education	3
ART 2302 Painting Studio:Still Life-Oil (5) ART 3315 Painting Studio-Watercolor (3)	3
SECTION CREDITS REQUIRED	16
Education: Visual Arts- Select one of the Following	
Course	Credits
ART 3602 History of Ancient Art	5
ART 3603 History Early Christian/Medart	5
ART 3604 Art Theory & Historiography	3
ART 3605 Topics in Modern Art	5
ART 3607 Topics in American Art	5
SECTION CREDITS REQUIRED	5
Education: Communication/ Integration	
Course	Credits
FCS 1710 Design Fundamentals	5
COM 4323 Performing Literature	5
SECTION CREDITS REQUIRED	10
Education: Music Core	
Course	Credits
MUS 1101 Musicianship I:Matrl & Struct	5
MUS 4402 History & Appreciation of Jazz	5
SECTION CREDITS REQUIRED	10
Eduation: Music- Select 2 of the Following	
Course	Credits
MUS 1250 Begin Keyboard Cls(Non-Majors) (2) MUS 1251 Intrmed Keybrd Cls(Non-Majors) (2)	2
MUS 1260 Beginning Voice Class	2
MUS 1270 Beginning Folk Guitar (1) MUS 1271 Intermediate Folk Guitar (1)	1
SECTION CREDITS REQUIRED	3

Education: Music- Select one of the Following	
Course	Credits
MUS 3501 Elementary Methods & Materials	3
MUS 3502 Music in Special Education	3
MUS 3503 Gen Music Methods & Materials	3
SECTION CREDITS REQUIRED	3
Education: Fine & Applied Arts- Theatre	
Course	Credits
TRE 1110 The Theatre Experience	5
TRE 1310 The Actor's Art (5) TRE 1340 Acting I: Fundamentals (5)	5
TRE 3710 Play Directing	5
TRE 3800 Theatre Education Methods (3) TRE 4770 Creative Dramatics (3)	3
SECTION CREDITS REQUIRED	18
TOTAL CREDITS REQUIRED	66

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EDUCATION COURSE DESCRIPTIONS

<p>ART 1102 Drawing Studio:Observtn&Realism (5) Offerings</p> <p>Emphasizes sighting techniques for observational drawing of still life, interiors/exterior, and the human figure. Covers techniques in class such as contour line, schematic systems and sighting techniques for accuracy in scale and proportion, perspective by eye, value and light logic, schematic approaches for drawing the human form. Extra fee.</p> <p><u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Junior, Senior students are excluded.</p>
<p>ART 1103 Drawing Studio:Concept&Compstn (5) Offerings</p> <p>Encourages students to explore areas of expressive drawing and composition. Emphasizes development of personal, introspective image making. Focuses on storytelling and creative thinking processes - the "secret/unseen" realities of the subjects. Emphasizes inner/outer worlds and realities, assumptions versus fact and narrative illustration as well as exploration of various media in experimental applications. Also emphasizes the development of highly personal, introspective image making.</p> <p><u>Attributes:</u> Arts and Humanities A <u>Restrictions:</u> Junior, Senior students are excluded.</p>
<p>ART 1180 The Visual Arts (5) Offerings</p> <p>Introduces and analyzes visual forms through lecture, observation, and discussion. The nature of the visual arts is explored from the vantage points of the artist and viewer/critic.</p> <p><u>Attributes:</u> Arts and Humanities A</p>
<p>ART 2302 Painting Studio:Still Life-Oil (5) Offerings</p> <p>Emphasizes rendering and modeling techniques in oil paint to accurately create a 3D illusion. Focuses on</p>

<p>volume of primary forms. A conceptual component of the class will focus on the Iconology of still life resonant with meaning in the history of painting. Extra fee.</p> <p><u>Attributes:</u> <i>Arts and Humanities A</i> <u>Restrictions:</u> <i>Junior, Senior students are excluded.</i></p>
<p>ART 3315 Painting Studio-Watercolor (3) Offerings</p> <p>Prerequisites: ART 1102 or 1103, and ART 2302. Investigates a range of technical skills in the use of traditional and experimental watercolor. Extra fee.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>ART 3546 Art Education (3) Offerings</p> <p>Discusses the principles and elements of art as related to a variety of media with direct application to use in the classroom. Special emphasis on the role of art in the curriculum and understanding the perceptual development of children. Studio periods will be augmented with lectures and discussion. Extra fee.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>ART 3602 History of Ancient Art (5) Offerings</p> <p>Explores the pictorial and plastic expression of the ancient Mediterranean cultures to the end of the Roman Empire. Offered alternate years.</p> <p><u>Attributes:</u> <i>Arts and Humanities A, Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>ART 3603 History Early Christian/Medart (5) Offerings</p> <p>Explores the symbolic, pictorial, and plastic expressions of the early Christian and medieval periods. The course will also explore the art of Islam. Offered alternate years.</p> <p><u>Attributes:</u> <i>Arts and Humanities A, Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>ART 3604 Art Theory & Historiography (3) Offerings</p> <p>Prerequisites: ART 2602 or 2603. A survey and critical study of the art of the United States from the colonial period until the early twentieth century, with a research focus to be determined by the instructor. The research focus may be based on student interest, or on opportunities afforded by local museums/galleries. Offered alternate years.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i></p>
<p>ART 3605 Topics in Modern Art (5) Offerings</p> <p>A survey and critical study of European and transatlantic artistic trends from the middle nineteenth century until the middle twentieth century, with a research focus to be determined by the instructor. The research focus may be based on student interest, or on opportunities afforded by local museums/galleries. Offered alternate years.</p> <p><u>Attributes:</u> <i>Arts and Humanities A, Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>ART 3607 Topics in American Art (5) Offerings</p> <p>A survey and critical study of the art of the United States from the colonial period until the early twentieth century, with a research focus to be determined by the instructor. The research focus may be based on student interest, or on opportunities afforded by local museums/galleries. Offered alternate years.</p> <p><u>Attributes:</u> <i>Arts and Humanities A, Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>COM 4323 Performing Literature (5) Offerings</p> <p>Analyzes literary works for the purpose of presenting them in oral performance; provides opportunities for guided practical experience in storytelling, lyric poetry, and dramatic reading.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>EDMA 3000 Math Methods I:Teachg K-8 Math (2) Offerings</p> <p>Prerequisite: MAT 2531. Examines contemporary curricula and materials for teaching K-8 mathematics, with an emphasis on research, learning theory, pedagogy, methods and the use of technology. Attention is</p>

given to the NCTM Standards and Washington State Essential Academic Learning Requirements.

Attributes: *Upper-Division* **Co-Requisite:** *EDRD 3200, EDSC 3200, EDU 3105, EDU 3200*

EDMA 3357 Teaching Secondary Mathematics (3) Offerings

Prerequisite: Admission to School of Education. Overviews content methods and strategies appropriate to the teaching of secondary school mathematics. Attention is given to the NCTM standards and Washington State Essential Academic Learning Requirements. Emphasis is also placed on problem solving. Recommended prior to or concurrent with first-quarter internship.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

EDMA 4000 Math Methods II:Tchg K-8 Math (2) Offerings

Prerequisite: EDMA 3000. Seminar to examine the application of methods for teaching K-8 mathematics in a related field experience and explore contemporary issues in teaching K-8 mathematics. Special attention is given to developing instruction that integrates mathematical process standards of problem solving, reasoning, communication, connections, and representation noted in the NCTM Standards, the Washington State Essential Academic Learning Requirements and the Third International Mathematics and Science Study.

Attributes: *Upper-Division* **Co-Requisite:** *EDRD 4200, EDSC 4200, EDU 4200, EDU 4941*

EDRD 2000 Reading I:Psychology of Readng (3) Offerings

Explores the theories of cognitive development applied particularly to the fields of language development and literacy. Examines different theories of the acquisition of language development and cognitive processes and the relationship to learning to read and write. Among the topics to be covered are the linguistics and non-linguistic bases of reading, word recognition, reading comprehension, and reading disabilities (dyslexia) and the impact of home and school environments on language and literacy development.

EDRD 3200 Reading II:Rdg & Lang Arts Meth (2) Offerings

Prerequisite: EDRD 2000. Explores current research and best practices in teaching reading, writing, and language arts as an integrated process in grades K-8. Addresses topics such as instructional grouping, classroom-based assessments, analysis and use of instructional materials (including the underlying theory base), and strategy instruction. Students will design unit and lesson plans to teach reading, writing, and language processes.

Attributes: *Upper-Division* **Co-Requisite:** *EDMA 3000, EDSC 3200, EDU 3105, EDU 3200*

EDRD 4200 Rdg III:Intrvnt Struggling Rdrs (2) Offerings

Prerequisite: EDRD 3200. Students will review and further investigate possible causes of reading problems, including inappropriate reading instruction. Examines current research in best practices and programs for struggling readers at various levels of their schooling. Students will focus on a struggling reader during this quarter of their internship to develop a plan and carry out instruction to improve the student's reading and writing achievement.

Attributes: *Upper-Division* **Co-Requisite:** *EDMA 4000, EDSC 4200, EDU 4200, EDU 4941*

EDRD 4516 Children's Literature (3) Offerings

Examines the variety and richness of literature available for children preschool through eighth grade; presents major genres and notable authors and illustrators; and develops familiarity with varied responses to literature adaptable for classroom use.

Attributes: *Upper-Division* **Restrictions:** *Freshman students are excluded.*

EDRD 4517 Young Adult Literature (3) Offerings

A study of young adult literature, including intensive reading in the best of this literature and application of both critical and pedagogical strategies to the reading.

Attributes: *Upper-Division*

EDRD 4530 Rdng & Wrtnng Across Curriculum (2) Offerings

Prerequisite: EDU 2104. Provides a functional approach to content-centered instruction that will prepare preservice teachers to teach content, reading and writing skills simultaneously. Emphasis is placed on the application of skills that middle, junior and senior high school readers must make to learn content from a variety of sources and materials.

Attributes: *Upper-Division* **Co-Requisite:** *EDU 3106, EDU 3250* **Restrictions:** *Freshman, Sophomore students are excluded.*

EDSC 2566 Environmt Ed:Ed for Elem Tchrs (5) Offerings

Will involve students in inquiry-based activities in the classroom and on field trips, using regional environmental resources to investigate the interaction of the earth's biosphere, geosphere, atmosphere and hydrosphere. Teaching strategies suitable for elementary education will be modeled.

Attributes: *Natural Science B*

EDSC 3200 Social Studies/Science Mthds I (1) Offerings

Prerequisite: EDSC 2566. Provides a basic introduction to methods for teaching science and social studies. Interdisciplinary approaches to science and social studies are encouraged as well as development of research and experience-based principles of effective practice for encouraging the intellectual, social and personal development of students. This will be carried out through a focus on inquiry-based instruction.

Attributes: *Upper-Division* **Co-Requisite:** *EDMA 3000, EDRD 3200, EDU 3105, EDU 3200*

EDSC 3359 Teaching Secondary Science (3) Offerings

Prerequisite: Admission to School of Education. Designed to assist students in relating their understanding in various science disciplines to the practical problems of planning and implementing learning experiences for secondary students. The emphasis is on the use of inquiry/problem solving approaches to science learning.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

EDSC 4200 Social Studies/Sci/Hlth Mth II (3) Offerings

Prerequisite: EDSC 3200. Expands the ideas built in EDSC 3200 and provides opportunity to apply them in practice teaching. The course will build integration of concepts of healthy living into the science/social studies content. Unit and lesson plans will be developed for implementation.

Attributes: *Upper-Division* **Co-Requisite:** *EDMA 4000, EDRD 4200, EDU 4200, EDU 4941*

EDSP 4948 Secondary Spec Ed Intrnship A (1-18) Offerings

First quarter of a special education internship. Provides opportunity for observation and daily teaching in special education sections in the public schools under the direction of a master teacher. Extra fee. May be repeated for credit up to 18 credits.

Attributes: *Upper-Division* **Co-Requisite:** *EDU 4250* **Restrictions:** *Freshman, Junior, Sophomore students are excluded.*

EDTC 4236 Intgrate Tech for Elem Teachrs (1) Offerings

Recommended prerequisite: EDTC 2235. Integrates technology into teaching and learning. Covers content-specific applications of computing, video, print, internet technologies, and issues of relevance in the elementary education community.

Attributes: *Upper-Division*

EDTC 4237 Integrtn of Tech Secndry Tchrs (1) Offerings

Recommended prerequisite: EDTC 2235. Integrates technology into teaching and learning. Covers content-specific applications of computing, video, print, internet technologies, and issues of relevance in the secondary education community.

Attributes: *Upper-Division*

EDU 2104 Introduction to Education (2) Offerings

An introduction to the profession of teaching is provided with a special emphasis on requirements of the State of Washington and the Seattle Pacific University teacher education program. The course will cover:

history of the educational reform effort in Washington, Residency certification competencies, endorsement competencies, and the various tests required to become a teacher. Portfolio requirements for the program as well as lesson and unit planning will also be introduced.

Co-Requisite: EDU 2200, EDU 2300 Restrictions: Freshman students are excluded.

EDU 2200 Foundations & Educational Psych (3) Offerings

Explores the social, historical, philosophical and moral aspects of American education. Additional study includes the major instructional, developmental, and cognitive theorists as they relate to human growth and development, and classroom management.

Co-Requisite: EDU 2104, EDU 2300

EDU 2300 Diversity & the Classroom (3) Offerings

Presents an overview of issues of diversity and exceptionality in the classroom. Students will develop a greater appreciation for cultural variations and individual differences. In addition to an overview of cultural diversity focusing on low status/historically marginalized students, and overview of special education including various categories of disabilities will be provided. Students will develop an awareness of effective educational strategies that support the learning of all students including students who have disabilities or who come from low status/historically marginalized groups.

Co-Requisite: EDU 2104, EDU 2200

EDU 3105 Laboratory Experience: Elementary (2) Offerings

Prerequisite: EDU 2104. Provides opportunity for the student to be placed in a school with diverse populations. Integration of learning and experience will be gained through observing and working with students in various classroom settings.

Attributes: Upper-Division Co-Requisite: EDMA 3000, EDRD 3200, EDSC 3200, EDU 3200 Restrictions: Freshman, Sophomore students are excluded.

EDU 3106 Laboratory Experience: Secondary (2) Offerings

Prerequisite: EDU 2104. Provides opportunity for the student to be placed in a school with diverse populations. Integration of learning and experience will be gained through observing and working with students in various classroom settings.

Attributes: Upper-Division Co-Requisite: EDRD 4530, EDU 3250 Restrictions: Freshman, Sophomore students are excluded.

EDU 3200 Elem Gen Meth I: Classroom Mgmt (2) Offerings

Prerequisites: EDU 2104, 2200 and 2300. Applies instructional theory to classroom management presenting general factors that affect learning in the elementary classroom. Management of the physical, behavioral and emotional environment will be primary, with additional focus on assessment and communication with parents.

Attributes: Upper-Division Co-Requisite: EDMA 3000, EDRD 3200, EDSC 3200, EDU 3105

EDU 3250 Sec Gen Mth I: Plan & Cls Mngmt (2) Offerings

Prerequisites: EDU 2104, 2200 and 2300. Emphasizes research and experienced based principles of effective practice for encouraging the intellectual social and personal development of secondary students. This will be carried out through exercises in planning and managing instruction based on knowledge of community/school contexts and curriculum standards.

Attributes: Upper-Division Co-Requisite: EDRD 4530, EDU 3106

EDU 3361 Secondary English Methods (3) Offerings

Prerequisite: Admission to School of Education. Explores teaching and planning methods and materials appropriate for middle school and senior high school students. Based on essential learnings, the course considers various learning styles, moral implications, literary works and writing activities in creating and sharing ideas and projects.

Attributes: Upper-Division

EDU 3557 Field Exper: Secondary Math (1) Offerings

Prerequisite: Admission to the School of Education. This field experience will provide experiences teaching secondary mathematics to bring back to the methods classroom for discussion and evaluation. It will also provide an environment for applying lessons and activities from the methods course. The hours of observation and instruction will be flexible and scheduled to meet assignments in each of the subject area classes, the schedules of each cooperating classroom and the schedule of each student.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

EDU 3559 Field Exper: Secondary Science (1) Offerings

Prerequisite: Admission to the School of Education. This field experience will provide experiences teaching secondary science to bring back to the methods classroom for discussion and evaluation. It will also provide an environment for applying lessons and activities from the methods course. The hours of observation and instruction will be flexible and scheduled to meet assignments in each of the subject-area classes, the schedules of each cooperating classroom and the schedule of each student.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

EDU 3561 Field Exper:Secondary English (1) Offerings

Prerequisite: Admission to the School of Education. This field experience will provide experiences teaching secondary English to bring back to the methods classroom for discussion and evaluation. It will also provide an environment for applying lessons and activities from the methods course. The hours of observation and instruction will be flexible and scheduled to meet assignments in each of the subject-area classes, the schedules of each cooperating classroom and the schedule of each student.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

EDU 3564 Field Exper:Sec Social Studies (1) Offerings

Prerequisite: Admission to the School of Education. This field experience will provide experiences teaching secondary social studies to bring back to the methods classroom for discussion and evaluation. It will also provide an environment for applying lessons and activities from the methods course. The hours of observation and instruction will be flexible and scheduled to meet assignments in each of the subject area classes, the schedules of each cooperating classroom and the schedule of each student.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

EDU 3942 September Experience (1) Offerings

Prerequisite: EDU 2104. This course requires two weeks of observation and assistance at the opening of a school year in a program that reflects the level and subject matter preferred by the preservice teacher. It will include any faculty meetings, preparation days and inservice workshops that take place prior to the students' arrival at school. The intern will then remain through the beginning of the school year.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

EDU 4200 Elem Gen Mth II:Strat Dvrs Lrn (2) Offerings

Prerequisite: EDU 3200. Examines the nature of a diverse society and the implications for education. This includes examination of social and psychological roles as well as characteristics and strategies for inclusion. Further study of social and psychological roles of students will be studied.

Attributes: *Upper-Division* Co-Requisite: *EDMA 4000, EDRD 4200, EDSC 4200, EDU 4941*

EDU 4250 Sec Gen Mth II: Strat Dvrs Lrn (3) Offerings

Prerequisite: EDU 3250. Emphasizes research and experienced-based principles for creating and adapting instructional opportunities for learners with diverse learning abilities and cultural and linguistic backgrounds. This will be carried out through exercises in planning and managing instruction focusing on characteristics and needs of particular learners, especially low status/historically marginalized students, and development of a variety of intervention strategies.

Attributes: *Upper-Division* Co-Requisite: *EDU 4945*

EDU 4364 Teachng Secondry Social Studie (3) Offerings

Presents specific elements of secondary social studies instruction, including content selection and planning based on essential learnings, moral implications of content, use of instructional strategies, assessment of student learning and management of the classroom.

Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
EDU 4530 Topics in Secondary Education (2) Offerings
Explores major topics related to instruction in the secondary classroom, including student assessment, reading and study skills, and child abuse.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman, Sophomore students are excluded.</i>
EDU 4899 Teacher as Person-Capstone (2) Offerings
Focuses on professional and spiritual aspects of teaching school law, governance and finance. Uses a Seminar and case-study format. Also includes final portfolio checkout and job search information. Concurrent enrollment is required with the final quarter of internship.
Attributes: <i>Upper-Division, Writing "W" Course</i>
EDU 4900 Independent Study (1-5) Offerings
Prerequisite: Admission to School of Education. May be repeated for credit up to 15 credits.
Attributes: <i>Upper-Division</i>
EDU 4930 Education Practicum (1-5) Offerings
Education Practicum
EDU 4941 Elementary School Internship A (1-18) Offerings
Prerequisites: See Integrated quarter elementary program prerequisites (first quarter). Provides opportunity for observation and daily teaching in elementary schools under the direction of a cooperating teacher. Extra fee. May be repeated for credit up to 18 credits.
Attributes: <i>Upper-Division</i> Co-Requisite: <i>EDMA 4000, EDRD 4200, EDSC 4200, EDU 4200</i> Restrictions: <i>Freshman, Junior, Sophomore students are excluded.</i>
EDU 4942 Elementary School Internship B (1-18) Offerings
Prerequisite: EDU 4941. Provides opportunity for observation and daily teaching in the elementary school under the direction of a cooperating teacher. Extra fee. May be repeated for credit up to 18 credits.
Attributes: <i>Upper-Division</i> Co-Requisite: <i>EDTC 4236, EDU 4899</i> Restrictions: <i>Freshman, Junior, Sophomore students are excluded.</i>
EDU 4943 Elementary Internship:Music (1-18) Offerings
Provides opportunity for observation and daily teaching of music in the elementary school under the direction of a cooperating teacher. Extra fee. May be repeated for credit up to 18 credits.
Attributes: <i>Upper-Division</i> Restrictions: <i>Freshman, Junior, Sophomore students are excluded.</i>
EDU 4944 Elementary Internship:Art (1-18) Offerings
Provides opportunity for observation and daily teaching of art in the elementary school under the direction of a cooperating teacher. Extra fee. May be repeated for credit up to 18 credits.
Attributes: <i>Upper-Division</i> Co-Requisite: <i>EDU 4200</i> Restrictions: <i>Freshman, Junior, Sophomore students are excluded.</i>
EDU 4945 Secondary Internship A (1-18) Offerings
Provides opportunity for observation and daily teaching in public or approved private schools under the direction of a master teacher. Extra fee. May be repeated for credit up to 18 credits.
Attributes: <i>Upper-Division</i> Co-Requisite: <i>EDU 4250</i> Restrictions: <i>Freshman, Junior, Sophomore students are excluded.</i>
EDU 4946 Secondary Internship B (1-18) Offerings
Second quarter of two-quarter internship. Provides opportunity for observation and daily teaching in public or approved private schools under the direction of a master teacher. Extra fee. May be repeated for credit

up to 18 credits.
Attributes: *Upper-Division* **Co-Requisite:** *EDTC 4237, EDU 4899* **Restrictions:** *Freshman, Junior, Sophomore students are excluded.*

EDU 4948 Elementary Internship:PE (1-18) [Offerings](#)
Provides opportunity for observation and daily teaching of physical education in the elementary school under the direction of a cooperating teacher. Extra fee. May be repeated for credit up to 18 credits.
Attributes: *Upper-Division* **Restrictions:** *Freshman, Junior, Sophomore students are excluded.*

EDU 4951 Intrnational Elem Sch Intrnship (1-18) [Offerings](#)
Observation and daily teaching in an international elementary school setting under the direction of a cooperating teacher. May be repeated for credit up to 18 credits.
Attributes: *Upper-Division*

EDU 4952 International Sec Sch Intrnship (1-18) [Offerings](#)
Observation and daily teaching in an international secondary school setting under the direction of a cooperating teacher. May be repeated for credit up to 18 credits.
Attributes: *Upper-Division*

FCS 1710 Design Fundamentals (5) [Offerings](#)
Surveys how design is used to enhance human life through applications of creativity, material integrity, and design elements and principles. The course also focuses on the history of interior design and architecture, providing an overview of styles ranging from ancient through current genres. Relevant environmental issues are also addressed. Includes local field trips and events. Part of the course will be Web-based.
Attributes: *Arts and Humanities A*

FCS 4511 Curr & Eval in FCS Education (5) [Offerings](#)
Prerequisites: BIO 1100, FCS 2365, 3220, 3410, 3460, 3564, 4240 and Professional Quarter Two. Explores methods (scope and sequence) and strategies for teaching family and consumer science concepts. Emphasizes a critical understanding, development, and organization of the subject content that promotes student learning and meets national and state standards.
Attributes: *Upper-Division, Writing "W" Course*

LIN 2100 Foundations of Language Study (5) [Offerings](#)
Develops conceptual tools for understanding the nature and the processes of language: phonology, morphology, syntax, semantics and pragmatics. Personal and professional attitudes toward the world of language are reexamined. This course is also offered via distance learning. Please note that the distance learning version of this course is not eligible for financial aid nor is it part of the on-campus tuition plateau; full payment is required at the time of registration.
Attributes: *Arts and Humanities B, Media*

LIN 4365 Methodologies Foreign Lng Tchg (5) [Offerings](#)
Prerequisite: LIN 2100. An overview of the theoretical paradigms of second language learning and teaching; definition and evaluation of communicative competence; strategies for teaching skills of listening, speaking, reading, and writing; selection and development of instructional materials.
Attributes: *Upper-Division*

MAT 2530 Survey of Mathematics I (3) [Offerings](#)
Prerequisite: Passing score on Mathematics Proficiency exam or completion of Arithmetic review. Includes the study of sets, numeration systems, arithmetic, algebra, number theory and statistics, and relates topics to the elementary school mathematics curriculum. Available for general education credit only to students in elementary education.
Attributes: *Mathematics (MAT)* **Restrictions:** *Freshman students are excluded.*

MAT 2531 Survey of Mathematics II (2) [Offerings](#)

Prerequisite: MAT 2530 completed with a grade of C- or better. Includes topics from probability, geometry, and measurement, and relates topics to the elementary school mathematics curriculum. Available for general education credit only to students in elementary education.

Attributes: *Mathematics (MAT)* Restrictions: *Freshman students are excluded.*

MUS 1101 Musicianship I:Matrl & Struct (5) Offerings

Presents basic musical skills of listening, analysis, improvisation, conducting, writing, performance, historical understanding of music, and music fundamentals. Students will participate in lecture and laboratory settings, including computer-assisted instruction. Must begin in Autumn Quarter. Students with sufficient music theory training may request challenge examination for this course prior to Autumn Quarter. Extra fee.

MUS 1250 Begin Keyboard CIs(Non-Majors) (2) Offerings

For students with no previous keyboard experience. Ability to read music is not necessary. Course is designed for the non-music major, and expectations for each student are based on individual needs. Emphasis is on note-reading, basic theory, chord usage, and technical development. Extra fee. May be repeated for an unlimited number of credits.

Attributes: *Arts and Humanities A* Restrictions: *Music Majors are excluded.*

MUS 1251 Intrmed Keybrd CIs(Non-Majors) (2) Offerings

For students with prior training in piano. Course is designed for the non-music major, and expectations for each student are based on individual needs. Emphasis is on note-reading, basic theory, chord usage, repertoire, technical development, and creative activities. Extra fee. May be repeated for an unlimited number of credits.

Attributes: *Arts and Humanities A* Restrictions: *Music Majors are excluded.*

MUS 1260 Beginning Voice Class (2) Offerings

Two class sessions per week. Emphasis is on basic vocal technique: breath control, tone placement, diction, and stage presence. Music includes classical, folk, and American music. Extra Fee. May be repeated for an unlimited number of credits.

Attributes: *Arts and Humanities A*

MUS 1270 Beginning Folk Guitar (1) Offerings

Introduction to folk-style guitar playing. May be taken by music education majors to meet guitar proficiency. May be repeated an unlimited number of times.

Attributes: *Arts and Humanities A*

MUS 1271 Intermediate Folk Guitar (1) Offerings

Prerequisite: MUS 1270. May be repeated for credit 3 times.

Attributes: *Arts and Humanities A*

MUS 2550 Foundations of Music Education (3) Offerings

Explores social, historical and philosophical foundations of American music education. Focuses on teaching curricula from ancient times to the present. Provides opportunities to apply course content through service learning and field-related experiences. Part of Professional educations core classes for music majors.

Restrictions: *Music, Music-Int Majors only.*

MUS 3501 Elementary Methods & Materials (3) Offerings

This class covers basic approaches to teaching music in the elementary classroom for the regular classroom teacher. It focuses on music as a content area and music as it relates to arts in basic education. Elementary education certification students may take MUS 3501 toward General Education Arts and Humanities A credit.

Attributes: *Upper-Division* Restrictions: *Music Majors are excluded. Freshman students are excluded.*

<p>MUS 3502 Music in Special Education (3) Offerings</p> <p>This course centers on methods and materials for dealing with music and related arts with children who have special needs. This course is designed for special education and music education majors. Elementary education certification students may take MUS 3502 toward Arts and Humanities A credit.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>MUS 3503 Gen Music Methods & Materials (3) Offerings</p> <p>Prerequisite: MUS 2550 or EDU 2103. A survey of methods for instruction in elementary classroom music and secondary general music programs. Includes exposure to current materials available for instruction in those settings and preparation of materials appropriate to age levels.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Fine & Applied Arts, Music Majors only. Freshman, Sophomore students are excluded.</i></p>
<p>MUS 3504 Choral Mus Methods & Matrials (2) Offerings</p> <p>Prerequisite: MUS 2550 or permission of instructor. A survey of the teaching methods, rehearsal techniques, and choral organization from the elementary school chorus through the adult choir. Emphasis is on development of diagnostic rehearsal skills through special class projects and survival skills for the beginning choral director.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music Majors only. Freshman, Sophomore students are excluded.</i></p>
<p>MUS 3505 Instrmntl Mus Meths & Matrials (2) Offerings</p> <p>Prerequisite: MUS 2550. A survey of the instrumental music program, grades 5-12. Emphasis is on examination of appropriate teaching materials, teaching methods for various program levels, program planning and development, and evaluation of learner progress. Experience in planning and presenting model learning experiences in instrumental music is provided.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Music Majors only. Freshman, Sophomore students are excluded.</i></p>
<p>MUS 3608 Music Technology Applications (5) Offerings</p> <p>Prerequisite: Must have elementary piano playing skills, no computer skills necessary. Students will have daily hands-on experience at an individual workstation consisting of a MIDI keyboard and Macintosh computer. The main emphasis will be on basic through advanced applications of the music notation software Finale. Additional student lessons will include desktop publishing and the introduction of Web-site portfolio programs. This course meets the requirements and is in place of Professional Quarter One, Education Technology EDTC 2235 for music education majors only. Extra fee. May be repeated for credit 2 times.</p> <p><u>Attributes:</u> <i>Upper-Division</i></p>
<p>MUS 4402 History & Appreciation of Jazz (5) Offerings</p> <p>This course surveys the major periods in jazz history, from its roots in New Orleans to the present, with a special section on Seattle jazz. It also emphasizes the common elements throughout that history-blues, improvisation, the group negotiation of individual agendas, and the spiritual context of the jazz solo.</p> <p><u>Attributes:</u> <i>Arts and Humanities A, Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Junior, Senior students only.</i></p>
<p>MUS 4655 Context Studies in Music II (3) Offerings</p> <p>Prerequisites: MUS 1101, 1102, 1103, 2601, 2602, and 2603. This course along with MUS 4654 and 4656 involves an integrative approach to advanced musicianship while dealing in-depth with selected topics. The process includes reading, writing, listening, analysis, composition, improvisation, and computer notation. Topics change yearly. Past topics have included Beethoven: Age of Revolution and Restoration; Passion Settings from Plainsong to Paert; From Taverner to Taverner: Music of the English Church; The Genius of Bach; African Music; World Music; The Symphonies of Gustav Mahler; The Magnificat; Chamber Music; The Operas of Mozart and Beethoven; 20th-Century American Composers and Their Music; the Cantata. May be repeated for credit 3 times.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Music Majors only. Freshman, Sophomore</i></p>

students are excluded.

PES 2555 Methods of Teaching Health (5) Offerings

Prerequisites: PES 1301 and 2195. This course identifies major health issues and teaching strategies with a variety of curricular programs through a holistic approach. Topics include community and consumer health, substance use and abuse, lifetime sexuality, child abuse, violence, environmental health factors and communicable disease. Content includes lesson and unit design, effective teaching models for health and presentation management that promotes cooperation and interaction with students of all age levels. Course provides a controlled and supervised micro-teaching experience.

Restrictions: *Freshman students are excluded.*

PES 3510 Teaching Physical Education (5) Offerings

Prerequisites: PES 2614, 2615, 2616 and 2617, or instructor permission. Explores physical education curriculum, activities and teaching strategies for elementary, middle school and high school students. Content includes lesson and unit design, effective teaching models for fitness and sport skill development, and classroom management that promotes cooperation and safety. Course provides a controlled and supervised micro-teaching experience.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

PES 3545 Programs for Special Populations (3) Offerings

Studies disabilities and how physical education and other recreation activities can be matched with disabled and elderly people's need for participation and/or correction.

Attributes: *Upper-Division* Restrictions: *Exercise Science, Physical Education Majors only. Freshman, Sophomore students are excluded.*

TRE 1110 The Theatre Experience (5) Offerings

A study of the theatre as both a distinctive art form and a social instrument, considered from three viewpoints: those of the artist, the spectator, and the critic. Requires attendance at three to four evening theatrical performances. Extra fees required for events collected in class.

Attributes: *Arts and Humanities A* Restrictions: *Theatre Majors are excluded.*

TRE 1310 The Actor's Art (5) Offerings

Intended for non-theatre majors or minors. An introduction to the actor's task in preparation for the dramatic performance; focuses on developing sensory awareness, observation skills, selective imagination, and ensemble relationships through improvisation and scene work. No credit for students who have taken TRE 1340.

Attributes: *Arts and Humanities A*

TRE 1340 Acting I: Fundamentals (5) Offerings

Designed for intended theatre majors or minors or others with extensive acting experience. Prepares students for dramatic performance through intensive work in sensory awareness, observation skills, and selective imagination. Develops ensemble relationships through improvisation and scene work. No credit given for students who have taken TRE 1310.

Attributes: *Arts and Humanities A*

TRE 3710 Play Directing (5) Offerings

Prerequisite: TRE 1810 or permission of instructor. Consideration of the aesthetics and techniques of directing through exercises in achieving visual, auditory, and kinesthetic effects. Includes play selection, organization, casting, and rehearsing. Practical application.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

TRE 3800 Theatre Education Methods (3) Offerings

Explores contemporary methods and trends in the teaching of theatre, emphasizing management of a production program; critical response to artistic experiences; contexts of theatrical works; connections within the arts; and pedagogy. Attention is given to National Arts Standards and Washington Essential Academic Learning Requirements in the Arts.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

TRE 4770 Creative Dramatics (3) Offerings

Presents a workshop exploring methods to move children from their inner circle of knowledge and experience to their outer circle of thought, expression, and product through the use of creative drama. Offered alternate years.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

SPECIAL EDUCATION (K-12)

For a complete overview of the Residency Teacher Certification Program, visit the [School of Education](#) in this *Catalog*.

The primary purpose of the special education major is to develop teachers who have the knowledge and skills necessary to design and implement appropriate education for students with disabilities. The emphasis in this program is on students with special needs in the areas of learning and behavior.

While not required, it is strongly recommended that the teacher candidate complete both the regular certification program (at either the [elementary](#) or [secondary](#) level) and the special education major. Students completing regular and special education certification follow the same sequence of courses as regular education certification students, but they have an additional quarter of internship in a special-education setting. The additional internship will give the candidate experience in the regular classroom as well as in the special education setting. For general requirements and admission policies see the listings for relevant quarters on previous pages.

Admission to the Special Education Major

Students who are interested in the special education certification program are encouraged to indicate their intent upon their arrival at SPU. This indication is made with the School of Education Advising Center in [Peterson Hall](#). It does not commit the student to the program, but it assures advising and continuing receipt of current information about the special education program requirements. Admission to the special education major requires completion of the Foundations Quarter. [Requirements for Special Education Major](#).

Requirements leading to certification in special education

1. Certification in special education (grades K–12) is granted upon successful completion of the special education major and the specialized certificate requirements.
2. Foundations requirements for a K–12 special education certificate are listed the same as the general education quarters. The specific applications courses required for the K–12 special education certificate are listed in the major requirements.
3. Transfer students must complete a minimum of 15 upper-division credits in special education coursework prior to the internship.

K–12 Special Education Only Certification

Students pursuing only K–12 Special Education Certification will take Foundations Quarter along with the certification students. In addition, students will take methods and skills courses, as well as the Methods, and Integrated and Internship quarters in either [elementary](#) or [secondary](#) levels depending on their desired emphasis, as listed below.

Special Education Elementary Emphasis

Foundations Quarter

Prerequisites include official admission to SPU; sophomore standing (45 credits); cumulative 2.8 GPA or 3.0 GPA in last 30 credits; start a file in the School of Education (please contact the education office to obtain paperwork); approved general [psychology](#) or general [sociology](#) class with a grade of C or better.

Methods and Skills Courses and Electives

These courses may be taken independently of each other and the professional quarters. See specific course descriptions for prerequisites. A student must receive a grade of C or better in all methods and skills courses to be recommended for certification.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education; cumulative 3.0 GPA or 3.3 in the last 45 credits, successful completion of MAT 2530, MAT 2531, EDRD 2000 and EDSC 2566; fingerprint clearance; passing scores on WEST-B test; take the appropriate WEST-E/Praxis II test.

Integrated and Internship Quarters

Prerequisites include successful completion of the Methods Quarter; completing 15 upper-division credits in a major; receiving a passing score on the appropriate WEST-E/Praxis II test; participate in an internship placement interview; and senior standing (135 credits).

Integrated and Internship Quarters must be taken sequentially and a grade of B or better is required for Secondary Internship A and B.

Special Education Secondary Emphasis

Foundations Quarter

Prerequisites include official admission to SPU; sophomore standing (45 credits); cumulative 2.8 GPA or 3.0 GPA in last 30 credits; start a file in the School of Education (please contact the [education office](#) to obtain paperwork); approved [psychology](#) or general [sociology](#) class with a grade of C or better.

Methods and Skills Courses and Electives

These courses maybe take independently of each other and the professional quarters. See specific course descriptions for prerequisites. A student must receive a grade of C or better in all methods and skills courses to be recommended for certification.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education (see page 102); fingerprint clearance; passing scores on WEST-B test; take the appropriate WEST-E/Praxis II test.

Integrated and Internship Quarters

Prerequisites include successful completion of the Methods Quarter; completing 15 upper-division credits in your major; receiving a passing score on the appropriate WEST-E/Praxis II test; participate in an internship placement interview; and senior standing (135 credits).

Integrated and Internship Quarters must be taken sequentially and a grade of B or better is required for Secondary Internship A and B.

[Requirements for the Special Education Elementary Emphasis Certification](#)
[Requirements for the Special Education Secondary Emphasis Certification](#)

SPECIAL EDUCATION MAJOR

45 Credits Total, Including 23 Upper Division

Suggested Course Sequence

Requirements for Special Education Major	
Course	Credits
EDSP 3107 Exceptionality in the Classrm	3
PSY 2470 Life Span Developmental Psych	5
EDRD 2000 Reading I:Psychology of Readng	3
EDSP 4642 Individual Education Programs	3
EDSP 4646 Severe Disabilities	3
EDSP 4648 Tching Studnts w Emot&Behv Dis	3
EDSP 4651 Special Education Assessment	3
EDSP 4652 Disabilities of Learn&Attentio	3
EDSP 4653 Teach Rdng to Exceptnl Student	3
EDSP 4657 Behavior Management	3
EDSP 4899 Issues in Special Ed -Capstone	3
SECTION CREDITS REQUIRED	35
Internship	
Course	Credits
EDSP 4943 Elmnty Spcl Ed Intrnship A	1-18
EDSP 4948 Secondary Spec Ed Intrnship A	1-18
SECTION CREDITS REQUIRED	10
TOTAL CREDITS REQUIRED	45

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

SPECIAL EDUCATION COURSE DESCRIPTIONS

EDRD 2000 Reading I:Psychology of Readng (3) [Offerings](#)

Explores the theories of cognitive development applied particularly to the fields of language development and literacy. Examines different theories of the acquisition of language development and cognitive processes and the relationship to learning to read and write. Among the topics to be covered are the linguistics and non-linguistic bases of reading, word recognition, reading comprehension, and reading disabilities (dyslexia) and the impact of home and school environments on language and literacy development.

EDSP 3107 Exceptionality in the Classrm (3) [Offerings](#)

Examines the concept of difference, including influences of exceptionality on social and psychological roles.

<p>Presents strategies for inclusion of exceptional students in classrooms.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman students are excluded.</i></p>
<p>EDSP 4642 Individual Education Programs (3) Offerings</p> <p>Prerequisite: EDSP 3107. Classroom presentation centers around the interaction of the disabled child with the school. Topics include federal and state regulations for the education of the disabled; procedures for referral, diagnosis and placement; formation of individual education programs, service models, task analysis and sequencing of skills; formation and evaluation of behavioral objectives; selection of instructional materials and methodology; and classroom organization. (Pre-service emphasis.)</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>EDSP 4646 Severe Disabilities (3) Offerings</p> <p>Prerequisite: EDSP 3107. Explores the issues surrounding the education of the developmentally disabled person. Includes definitions and classification systems, etiology, theoretical approaches, strategies for educational diagnosis and intervention, family problems and other issues.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>EDSP 4648 Teaching Students with Emotional & Behavioral Dis (3) Offerings</p> <p>Prerequisite: EDSP 3107. Provides special educators with knowledge related to characteristics and inclusion strategies for children and youth with behavior disorders or emotional disturbance.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>EDSP 4651 Special Education Assessment (3) Offerings</p> <p>Prerequisite: EDSP 3107. Teaches diagnostic and evaluative procedures commonly used with exceptional children. Includes construction of criterion referenced tests and curriculum based assessment; use and interpretation of formal and informal tests, and procedures and related ethics procedures, and related issues.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>EDSP 4652 Disabilities of Learning & Attention (3) Offerings</p> <p>Prerequisite: EDSP 3107. Studies the characteristics and special problems associated with learning disabilities. Includes definitions and characteristics, theoretical approaches, attention deficit disorder, available resources, etiologies, and educational management of learning disabilities and attention disorders.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>EDSP 4653 Teaching Reading to Exceptional Student (3) Offerings</p> <p>Prerequisites: EDRD 2000 and EDSP 3107 or permission of instructor. Focuses on diagnosis of reading strengths and weaknesses; of correlates of reading problems; and analysis and selection of methods and materials for reading instruction of special needs children, including children who speak English as their second language.</p> <p><u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>EDSP 4657 Behavior Management (3) Offerings</p> <p>Prerequisite: EDSP 3107. Focuses on an in-depth explanation of applied behavior analysis and classroom management strategies useful in meeting the needs of children and youth with behavioral disabilities.</p> <p><u>Attributes:</u> <i>Upper-Division</i> <u>Restrictions:</u> <i>Freshman, Sophomore students are excluded.</i></p>
<p>EDSP 4899 Issues in Special Education -Capstone (3) Offerings</p> <p>Prerequisite: EDSP 3107. This capstone course explores major trends and issues affecting special education, including the rights of the disabled, emerging trends in educational services and major issues surrounding the quality of life of disabled individuals. Open to special education majors only.</p>

Attributes: *Upper-Division, Writing "W" Course*

EDSP 4943 Elmntry Spcl Ed Intrnship A (1-18) Offerings

Prerequisites: Same as for EDU 4941. First quarter of a special education internship. Observation and daily teaching in special education in the elementary schools under the direction of a cooperating teacher. Extra fee. May be repeated for credit up to 18 credits.

Attributes: *Upper-Division* **Co-Requisite:** *EDMA 4000, EDU 4200* **Restrictions:** *Freshman, Junior, Sophomore students are excluded.*

EDSP 4948 Secondary Spec Ed Intrnship A (1-18) Offerings

First quarter of a special education internship. Provides opportunity for observation and daily teaching in special education sections in the public schools under the direction of a master teacher. Extra fee. May be repeated for credit up to 18 credits.

Attributes: *Upper-Division* **Co-Requisite:** *EDU 4250* **Restrictions:** *Freshman, Junior, Sophomore students are excluded.*

PSY 2470 Life Span Developmental Psych (5) Offerings

Prerequisite: PSY 1180. Surveys human development from conception to death, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within social and cultural contexts, including developmental tasks and transitions associated with developmental stages.

EDUCATION DEPARTMENT FACULTY

Algera, Henry Frederick. Department Chair of Alternative Routes to Certification / Assistant Professor of Curriculum and Instruction; B.A., University of Winnipeg 1989; Bachelor of Arts in Education, University of Winnipeg 1989; Master of Arts, Providence Coll. and Seminary 2000; Doctor of Education, Seattle Pacific University 2003. At SPU since 2003. ([Contact Info](#))

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Sink, Christopher. Department Chair of Counselor Education / Professor of Education; B.A., University of Calif Irvine 1978; Master of Science, Calif State University Fullerton 1981; Doctor of Philosophy, University of Calif Riverside 1988. At SPU since 1994. ([Contact Info](#))

Smith, Richard Eugene. Department Chair of Educational Leadership / Professor of Education; B.A., Seattle Pacific College 1963; Master of Arts, University of Oregon 1968; Doctor of Philosophy, University of Oregon 1972. At SPU since 1988. ([Contact Info](#))

School of Health Sciences, Lydia Green Nursing Program

Marston Hall
206-281-2233
www.spu.edu/depts/hsc/

Lucille Kelley, Dean of the School of Health Sciences

The SHS mission is to partner with the community, develop graduates who engage the culture, change the world, and:

- *Serve all people with the highest level of professional care;*
- *Demonstrate competence in a diverse and changing environment;*
- *Act with wisdom, character, and caring;*
- *Demonstrate leadership in all aspects of nursing; and*
- *Promote optimum health of body, mind, and spirit.*

— School of Health Sciences Mission Statement

Majors

[Nursing](#)
[R.N. to B.S. Off-Campus Degree Completion](#)

Lydia Green Nursing Program

The purpose of the Lydia Green Nursing Program is to prepare graduates of competence, character, and wisdom to meet the health needs of a community by promoting wellness and providing illness care for its members.

The B.S. degree with a nursing major is approved by the state of Washington and accredited by the Commission for Collegiate Nursing Education (CCNE).

The aim of the baccalaureate degree program is to foster the development of self-understanding, caring, collaboration, ethical thought and action, intellectual curiosity, critical thinking, and judgment, as well as integrating Christian faith with scientific knowledge and clinical expertise.

There are two options for obtaining a baccalaureate degree in nursing, the basic four year undergraduate program, or the R.N. to B.S. Degree Completion program.

The basic four year undergraduate program. There are two ways to complete the four years. One is the basic four-year program and the other is to complete a Direct Transfer Associate of Arts or Direct Transfer Pre-Nursing Degree (DTA) and complete the upper-division nursing major coursework at SPU. Upon satisfactory completion of the degree, the graduate is eligible to take the [national examination](#) required for licensure as a registered nurse (NCLEX).

SPU baccalaureate graduates are prepared to assume entry-level practice and leadership roles in a variety of health care settings.

R.N. to B.S. degree completion program enables non-baccalaureate prepared R.N.s to complete the bachelor of science degree with a nursing major.

LYDIA GREEN NURSING PROGRAM, B.S. IN NURSING

Marston Hall
206-281-2233
www.spu.edu/depts/hsc/

FACULTY: [Vicki Ann Aaberg](#), [Sandra Affeldt Cotton](#), [Susan M. Casey](#), [Ruby M Englund](#), [Mary Ellen Fry](#), [Christine Marie Henshaw](#), [Emily Wurster Hitchens](#), [Donna K Hoffert](#), [Lucille Marie Kelley](#), [Linda Marie Pedersen](#), [Carol S Redfield](#), [Kathleen M Stetz](#), [Barbara Ann West](#), [Martha Louise Worcester](#)

Policies

Educational standards and policies governing students admitted to the nursing programs and regulations covering a student's progression through the nursing program are outlined in the [Seattle Pacific University Nursing Student Handbook](#) (pdf). This handbook is given to each entering student at orientation and updated as needed throughout the program.

Admission to the Major

High school preparation for nursing includes a minimum of two years laboratory science, one of which should be chemistry.

For students admitted to and currently enrolled at Seattle Pacific University, preparation for entry into the nursing major begins the first quarter of the freshman year. Upon completion of the first quarter of the freshman year, students who are interested in applying to the nursing major can request a nursing faculty advisor from [Student Academic Services](#).

Current SPU students must apply to the School of Health Sciences Lydia Green Nursing Program on or before February 15 of their sophomore year. The [application and recommendation forms](#) are available by mid-October for program entry the following autumn. In order to be considered for entry into the nursing major, a nursing application, recommendation form and official copies of all college transcripts of courses not taken at SPU, along with course descriptions must be submitted to the [School of Health Sciences](#) on or before February 15.

Transfer and post-baccalaureate students with intent to apply to the nursing major must complete and return both the University application and the School of Health Sciences B.S. with a nursing major application on or before February 15. Applicants must indicate in the University application that nursing is the intended major. Both [transfer and post-baccalaureate applications](#) must be submitted to the [Office of Undergraduate Admissions](#).

The University application, School of Health Sciences [nursing application](#), and all application materials must be mailed together and received by the Office of Undergraduate Admissions on or before Feb. 15. You are encouraged to apply early. Transfer students must complete 90 transferrable credits by June. The Office of Undergraduate Admissions will forward the completed application materials to the School of Health Sciences for final review. For questions regarding the admissions process or to arrange for a visit to Seattle Pacific University, please contact the Office of Undergraduate Admissions at 206-281-2021 or toll free at 800-366-3344.

Transfer students should refer to the [online equivalency guide](#) to see if courses will transfer to the equivalent SPU prerequisite course. The primary focus of the equivalency guide is the Puget Sound region. Therefore, if courses are not listed in the equivalency guide, it does not necessarily mean that they are not equivalent. The transcript evaluation process begins in the Office of Undergraduate Admissions and is finalized in [Student Academic Services](#).

Completeness of the application packet is the responsibility of the applicant. All materials must be submitted together in one envelope and received on or before February 15. Nursing applications are reviewed by the Academic and Student Affairs Committee (ASAC) of the School of Health Sciences. Only completed applications will be reviewed. Applicants will be notified by mail regarding committee action. Further information about orientation to the nursing program will follow full acceptance into the program. After applying to the nursing program, if you complete coursework at institutions other than SPU, please send official transcripts to both the Office of Undergraduate Admissions, Suite 115 and the School of Health Sciences Undergraduate Program, Suite 106.

Completed application materials for the nursing program must include (1) application to the School of Health Sciences; (2) Professional Recommendation Form (sealed); (3) official transcripts (sealed) for prerequisite coursework other than at SPU; and (4) course descriptions for each prerequisite course taken (other than at SPU). Additionally, transfer and post-baccalaureate students must submit a University application and recommendations (due Feb 15).

All acceptances are contingent on completion of the prerequisite courses* by the end of Spring Quarter of the year prior to beginning nursing courses. The preferred GPA in these courses is 3.0 or above (2.75 minimum) with no course less than a "C" grade (anything less than 2.0 is not acceptable). Attainment of the preferred GPA standards does not guarantee admission to a major, as the total number of admissions may be limited by capacity. Four prerequisite courses must be completed by the application due date.

All application materials and information for the School of Health Sciences Nursing Program are available [here](#).

*Prerequisite courses are:	SPU Equivalent
Anatomy (5 credits)	BIO 2129 Human Anatomy and Physiology (5 credits)
Physiology (5 credits)	BIO 2130 Human Anatomy and Physiology (5 credits)
Microbiology (5 credits)	BIO 3351 General Microbiology (5 credits)
Inorganic/General Chemistry (5 credits)	CHM 1211 General Chemistry (5 credits)
Organic Biological Chemistry (5 credits)	CHM 1330 Organic and Biological Chemistry (5 credits)
All science courses should include a lab	
General Psychology (5 credits)	PSY 1180 General Psychology (5 credits)
Lifespan Psychology (5 credits)	PSY 2470 Life Span Developmental Psychology (5 credits)
Human Nutrition (5 credits)	FCS 3340 Human Nutrition (5 credits) Preferred OR BIO 1120 BioScience--Human Nutrition (5 credits)
Basic Statistics (5 credits)	HSC 4044 Biomedical Tests, Measurements and Stats (5 credits) OR MAT 1360 Intro to Stats (5 credits) OR PSY 2360 Intro to Social and Behavioral Stats (5 credits) Psychology Majors or Transfer equiv. OR SOC 2360 Intro to Stats Soc & Behav Sci (5 credits) Sociology Majors or Transfer equiv. BUS 2700 Statistics for Business & Econ (5 credits) Business Majors or Transfer equiv.

Special Programs

The nursing program also offers transcultural experience for students on campus locally and abroad. Applications for the [study-abroad](#) experience are available to nursing students Winter Quarter of the junior year and are due early March. The study-abroad experience occurs during the Winter Quarter of the senior year. Transcultural programs may not be offered every year, depending upon the international travel conditions and opportunities available. In addition, the School of Health Sciences has close ties with Gunma University College of Medical Care and Technology and Gunma Prefectural Health Sciences College in Japan, offering summer programs focused on nursing in the United States.

Scholarships and Loans

Students in the nursing major who need financial assistance should apply to [Student Financial Services](#). In addition to general aid and work-study programs, nursing students may want to apply to government-sponsored programs such as the VALOR program through the Veteran's Administration, Health Resources Services Administration (HRSA), or the armed services through [ROTC](#). Students are also encouraged to apply to local medical societies, tuition reimbursement at local hospitals (if there is a commitment to work after graduation), nursing organizations such as the Washington State Nurses Foundation or community organizations such as

Rotary. Scholarships are also listed [here](#) (pdf) and in the scholarship notebook in SHS. The SHS has a number of endowed scholarships given every year through the generosity of foundations, alumni, and individuals.

Expenses for All Basic Nursing Students

General expenses are the same as for other students with the following additions.

1. Comprehensive testing program (\$125 per year or \$250 for junior and senior years). This includes an NCLEX review course at the end of the program.
2. Clinical practicum fee (\$75/clinical credit)
3. National Background Check \$40
4. Books and supplies for the Autumn Quarter beginning the nursing major are approximately \$1,100.
5. Uniforms and shoes (Approximately \$200)
6. Costs for transportation vary for practicum quarter by quarter.
7. Costs for weekly parking at practicum sites vary.
8. Other costs include a physical examination by primary care provider, current immunizations with yearly updates, personal health insurance, BLS for Healthcare Provider (CPR training), AIDS training, access to a car, and a current driver's license.
9. Costs at the end of the program are for the National Board of Nursing Exam (NCLEX) and state licensure. Check www.ncsbn.org for current costs.

B.S. IN NURSING

125 Credits Total, Including 80 Upper Division

Suggested Course Sequence

B.S. With a Major in Nursing	
Course	Credits
HSC 4391 Pathophysiology	3
NUR 3948 Professional Nursing Role I	5
NUR 3952 Basic Nursing Theory	6
NUR 3953 Basic Nursing Practicum	5
NUR 3954 Nursing of Adults I - Theory	6
NUR 3955 Nursing of Adults I-Practicum	5
NUR 3956 Nursing of Adults II - Theory	6
NUR 3957 Nursing of Adults II-Practicum	5
NUR 4000 Chld-Bearg Famly Hlth Nur Thry	3
NUR 4002 Psychtrc-Mentl Hlth Nur Theory	3
NUR 4003 Chld-Brg Fam&Psy Hlth Nur Prac	5
NUR 4010 Chld-Rearg&Famly Hlth Nur Thry	3
NUR 4012 Communty&Famly Health Nur Thry	3
NUR 4013 Chld&Fam,Commnty Hlth Nur Prac	5
NUR 4848 Professional Nursing Role II	3
NUR 4859 Prof Nursing Synthesis Intern	8
NUR 4899 Prof Nursing Synthesis Theory	4-5
NUR 4971 Nursing Research	2
SECTION CREDITS REQUIRED	80

Prerequisite Courses	
Course	Credits
BIO 2129 Human Anatomy & Physiology	5
BIO 2130 Human Anatomy & Physiology	5
BIO 3351 General Microbiology	5
CHM 1211 General Chemistry I	5
CHM 1330 Organic & Biological Chemistry	5
PSY 1180 Gen Psych:Individual in Growth	5
PSY 2470 Life Span Developmental Psych	5
BUS 2700 Statistics for Business & Econ (5) HSC 4044 Biomed Tests, Measrmts & Stats (5) MAT 1360 Introduction to Statistics (5) PSY 2360 Intro to Stats Soc & Behav Sci (5) SOC 2360 Intro to Stats Soc & Behav Sci (5)	5
FCS 3340 Human Nutrition	5
SECTION CREDITS REQUIRED	45
TOTAL CREDITS REQUIRED	125

Additional Requirements:
For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

R.N. TO B.S. IN NURSING

37 Credits Total, Including 37 Upper Division

Suggested Course Sequence

R.N. to B.S. Degree Completion	
Course	Credits
NUR 3050 Prof Nursing Concepts:RN	5
NUR 3947 Family/Community Nursing:RN	5
NUR 4051 Professional Nursing Role:RN	4
NUR 4859 Prof Nursing Synthesis Intern	8
NUR 4899 Prof Nursing Synthesis Theory	5
NUR 4944 Health Care Delivery Models:RN	3
NUR 4971 Nursing Research	2
HSC 4044 Biomed Tests, Measrmts & Stats	5
SECTION CREDITS REQUIRED	37
TOTAL CREDITS REQUIRED	37

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

NURSING COURSE DESCRIPTIONS**BIO 2129 Human Anatomy & Physiology (5) [Offerings](#)**

Studies the structure and function of the human organism. Includes cells and tissues, skeletal, integumentary, muscular, and nervous systems. Includes laboratory.

Attributes: *Natural Science A*

BIO 2130 Human Anatomy & Physiology (5) [Offerings](#)

Studies the structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal, and reproductive systems. Includes laboratory.

Attributes: *Natural Science A*

BIO 3351 General Microbiology (5) [Offerings](#)

Prerequisite: BIO 2101, or BIO 2129 and 2130. Gives an overview of the field of microbiology with an emphasis on the bacterial, viral and fungal organisms that cause disease in humans and animals. Required laboratory focuses on the appropriate handling, growth, and processing of microorganisms for clinical applications. Extra fee.

Attributes: *Upper-Division*

BUS 2700 Statistics for Business & Econ (5) [Offerings](#)

Prerequisite: Bus 1700 and passing score on Mathematics Proficiency exam or completion of Arithmetic Review. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression, and nonparametric statistics.

Attributes: *Mathematics (MAT)*

CHM 1211 General Chemistry I (5) [Offerings](#)

Prerequisites: Requires two years high school mathematics (including algebra), a passing score on the SPU Mathematics Proficiency exam (or completion of the required MAT 0120 credits), one year of high school chemistry, or CHM 1100 and passing the Chemistry Placement test. Introduces properties of matter, stoichiometry, chemical reactions, thermochemistry, states of matter, chemical bonding, and atomic and molecular structure. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

CHM 1330 Organic & Biological Chemistry (5) [Offerings](#)

Prerequisite: CHM 1211. Studies simpler laws of organic chemistry, nomenclature, and classification. Simple chemistry of carbohydrates, lipids and proteins, integration of metabolisms, and chemistry of heredity. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

FCS 3340 Human Nutrition (5) [Offerings](#)

Prerequisites: CHM 1211, 1330, BIO 2129, and 2130 (Note: either BIO 2130 or CHM 1330 may be taken concurrently). Presents essentials of adequate diets and food sources of the nutrients; nutritional needs throughout the lifespan; nutritional composition of foods in relation to normal diets and medical nutrition therapy.

Attributes: *Upper-Division*

HSC 4044 Biomed Tests, Measrmts & Stats (5) [Offerings](#)

Promotes the conceptual understanding of the basic statistical procedures used in research. Helps participants achieve those computational skills needed to carry out statistical procedures in practical settings and the use of the computer in data analysis.

Attributes: *Mathematics (MAT), Upper-Division* **Restrictions:** *Biology, Exercise Science, Food & Nutritional Sciences, Nursing-Int Majors only.*

HSC 4391 Pathophysiology (3) Offerings

Selected topics of human pathophysiology are investigated from the perspective of how various stressors and adaptive responses affect levels of wellness. These include normal as well as aberrant cell genesis; protective, resistive, and adaptive mechanisms; phases of pathologic changes; related clinical findings; and the influence of current interventions.

Attributes: *Upper-Division* **Restrictions:** *Nursing Majors only. Post-Baccalaureate, Senior students only.*

MAT 1360 Introduction to Statistics (5) Offerings

Prerequisite: Intermediate Algebra or its equivalent and passing score on Mathematics Proficiency exam. Explores descriptive statistics, elementary probability, binomial and normal distributions, sampling, estimating parameters, testing hypotheses, regression, and correlation.

Attributes: *Mathematics (MAT)*

NUR 2002 Readiness for Re-enrollment (1-5) Offerings

This course is designed to prepare students to re-enroll in the nursing program one quarter before they re-enroll. The terms of the learning agreement are to be specified by the Academic Student Affairs Committee. May be repeated for credit up to 5 credits.

NUR 3050 Prof Nursing Concepts:RN (5) Offerings

Designed specifically for registered nurses who are beginning a program of study for the baccalaureate degree in nursing. The course encourages self-directed study based on adult-learning concepts and facilitates adjustment to the education-human environment system experience in general and to the student role at SPU in particular. Professional nursing is the focus of the course, extending from historical and philosophical concepts to contemporary trends, and future possibilities for the professional nursing role. Emphasizes group work, elements of groups, group theory, and collaboration through group work. Offered off campus only.

Attributes: *Upper-Division, Writing "W" Course*

NUR 3947 Family/Community Nursing:RN (5) Offerings

Analysis, application, and evaluation of community-health nursing processes at the levels of family, small groups, community, and at-risk populations. Identification of community health diagnoses as the basis for interventions to maintain and/or promote health, prevent disease, and enable self-care within and by a community. Offered off campus only.

Attributes: *Upper-Division*

NUR 3948 Professional Nursing Role I (5) Offerings

Prerequisites: PSY 1180, PSY 2470, CHM 1211, CHM 1330, BIO 2129, 2130, 3351, FCS 3340, and one of the following: MAT 1360, BUS 2700, HSC 4044, PSY 2360 or SOC 2360. Introduction to the role of a professional nurse. Explores concepts such as nursing as a profession, elements of the professional nurse role, health care delivery systems, and settings, critical thinking, research, and ethics and values within a Christian context.

Attributes: *Upper-Division, Writing "W" Course* **Restrictions:** *Nursing Majors only.*

NUR 3952 Basic Nursing Theory (6) Offerings

Prerequisites: PSY 1180, 2470, CHM 1211, 1330, BIO 2129, 2130, 3351, and FCS 3340, or BIO 1100 Human Nutrition. An introduction to nursing, covering basic nursing science concepts and an introduction to nursing assessment. The nursing assessment focus is on data collection and nursing diagnosis. Emphasis is with adults in long-term and community setting.

Attributes: *Upper-Division* **Restrictions:** *Nursing Majors only.*

NUR 3953 Basic Nursing Practicum (5) Offerings

Prerequisites: BIO 2129, 2130, 3351, PSY 2470, CHM 1211, 1330, and FCS 3340 and one of the following: MAT 1360, BUS 2700, HSC 4044, PSY 2360 or SOC 2360. Provides experiences in application of the nursing process. Primary and secondary levels of care introduced in a long-term care and community-based setting. Extra fee.

Attributes: *Upper-Division* **Restrictions:** *Nursing Majors only.*

NUR 3954 Nursing of Adults I - Theory (6) Offerings

Prerequisites: NUR 3948, 3952, 3953. Concepts of health promotion, health protection, prevention, and managing human responses to physical and mental illness are explored. Pathophysiology, pharmacology, spirituality, and human-diversity issues are integrated. The nursing process is utilized with adults in the context of the family and community-based settings.

Attributes: *Upper-Division, Writing "W" Course* **Co-Requisite:** *NUR 3955* **Restrictions:** *Nursing Majors only.*

NUR 3955 Nursing of Adults I-Practicum (5) Offerings

Provides experience in application of the nursing process, with adults and their families in acute-care settings and in community-based settings. Extra fee.

Attributes: *Upper-Division* **Co-Requisite:** *NUR 3954* **Restrictions:** *Nursing Majors only.*

NUR 3956 Nursing of Adults II - Theory (6) Offerings

Prerequisites: NUR 3954, 3955. Builds on Nursing of Adults I. Applies nursing process to more complex human responses in health and illness with adults. Emphasis continues to pathophysiology, pharmacology, physical and mental health, and illness issues of the individual in family and community-based settings.

Attributes: *Upper-Division* **Co-Requisite:** *NUR 3957* **Restrictions:** *Nursing Majors only.*

NUR 3957 Nursing of Adults II-Practicum (5) Offerings

Provides experience in application of the nursing process with more complex human responses in health and illness contexts for application, including work with adults in selected acute-care and community-based settings. Extra fee.

Attributes: *Upper-Division* **Co-Requisite:** *NUR 3956* **Restrictions:** *Nursing Majors only.*

NUR 4000 Child-Bearing Family Health Nursing Theory (3) Offerings

Prerequisites: NUR 3956, 3957. Applies the nursing process to the nursing care of the child-bearing family. Integrates concepts of health promotion, growth, and development, cultural diversity, spirituality, pharmacology, physiology, and pathophysiology.

Attributes: *Upper-Division* **Co-Requisite:** *NUR 4002, NUR 4003* **Restrictions:** *Nursing Majors only. Senior students only.*

NUR 4002 Psychiatric-Mental Health Nursing Theory (3) Offerings

Prerequisites: NUR 3956, 3957. Applies the nursing process to the nursing care of clients with psychiatric disorders, chronic and persistent mental illness, and mental health issues for individuals and families across the lifespan. Integrates concepts of growth and development, cultural diversity, spirituality, pharmacology, physiology, and pathophysiology.

Attributes: *Upper-Division* **Co-Requisite:** *NUR 4000, NUR 4003* **Restrictions:** *Nursing Majors only. Senior students only.*

NUR 4003 Child-Bearing Family and Psychiatric Health Nursing Practicum (5) Offerings

Prerequisites: NUR 3956, 3957. Applies the nursing process to the nursing care of the child-bearing family, which provides students with opportunities to care for families during labor, delivery, and post partum. Also applies the nursing process to care for individuals and families who are dealing with acute and chronic mental illness. Extra fee.

Attributes: *Upper-Division* **Co-Requisite:** *NUR 4000, NUR 4002* **Restrictions:** *Nursing Majors only. Senior students only.*

NUR 4010 Child-Rearg&Family Hlth Nur Thry (3) Offerings
Prerequisites: NUR 3956, 3957. Applies the nursing process to the nursing care of the child-rearing family, with an integration of concepts of health promotion, growth, and development, cultural diversity, spirituality, pharmacology, and the pathophysiology of disease in acute and chronic illnesses.
Attributes: Upper-Division **Co-Requisite:** NUR 4012, NUR 4013 **Restrictions:** Nursing Majors only. Post-Baccalaureate, Senior students only.

NUR 4012 Community&Family Health Nur Thry (3) Offerings
Prerequisites: NUR 3956, 3957. Applies the nursing process to nursing's role in community-health assessment and diagnosis, program planning, implementation, and evaluation. Health policy issues will be explored related to health promotion and disease prevention. Family health is studied in the context of a diverse community.
Attributes: Upper-Division **Co-Requisite:** NUR 4010, NUR 4013 **Restrictions:** Nursing Majors only. Post-Baccalaureate, Senior students only.

NUR 4013 Child&Fam,Commnty Hlth Nur Prac (5) Offerings
Prerequisites: NUR 3956, 3957. Applies the nursing process to the nursing care of the child-rearing family providing students with opportunities to care for hospitalized children and their families. Also applies the nursing process to the nursing care of families across the lifespan in a variety of community settings and allows students to develop community-care skills through participation in community-health programs and by exploring health-policy issues. Extra fee.
Attributes: Upper-Division **Co-Requisite:** NUR 4010, NUR 4012 **Restrictions:** Nursing Majors only. Post-Baccalaureate, Senior students only.

NUR 4051 Professional Nursing Role:RN (4) Offerings
Prerequisite: NUR 3050. Theoretical investigation of leadership and organizational concepts and their application to the professional nursing role as leader within the health care system and the nursing profession. Focuses on health care delivery systems, effective leadership, team development, change, and health policy. Offered only off campus.
Attributes: Upper-Division

NUR 4848 Professional Nursing Role II (3) Offerings
Prerequisite: HSC 4391. Theoretical investigation of leadership and organizational concepts and their application to the professional nursing role within the health care team and in the delivery of health care to individuals, groups, and selected populations.
Attributes: Upper-Division **Co-Requisite:** NUR 4859, NUR 4899 **Restrictions:** Nursing Majors only. Post-Baccalaureate, Senior students only.

NUR 4859 Prof Nursing Synthesis Intern (8) Offerings
Prerequisites: HSC 4391. Focus is on synthesis of past educational experiences within a variety of acute-care and community settings. Interdisciplinary work, application of leadership skills, and working in partnerships with selected communities provide opportunities to demonstrate effective integration and synthesis of prior learning. Also offered off campus. Extra fee.
Attributes: Upper-Division **Co-Requisite:** NUR 4848, NUR 4899 **Restrictions:** Nursing Majors only. Post-Baccalaureate, Senior students only.

NUR 4899 Prof Nursing Synthesis Theory (4-5) Offerings
Prerequisite: HSC 4391. Focus is on the future of health care and nursing and on continued professional development. This is a capstone course that integrates all prior coursework including core curriculum concepts, and courses from the first two years of study are expected.
Attributes: Upper-Division, Writing "W" Course **Co-Requisite:** NUR 4848, NUR 4859 **Restrictions:** Nursing Majors only. Post-Baccalaureate, Senior students only.

NUR 4900 Independent Study (1-5) Offerings
Independent Study May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

NUR 4944 Health Care Delivery Models:RN (3) Offerings

Explores selected models of health care delivery in the United States with a primary focus on the professional nurse's role in negotiating and influencing these systems now and in the future. Looks at historical development; elements of the models; impact on health care consumers, providers and provider organizations; ethical issues; and roles and responsibilities for professional nurses, including skills needed; and anticipated future directions for health care delivery. Offered off campus only.

Attributes: *Upper-Division*

NUR 4950 Selected Topics (1-5) Offerings

Focuses on emerging and specialized topics in nursing. May be repeated for credit up to 10 credits.

Attributes: *Upper-Division*

NUR 4951 Leadership in the Community:RN (6) Offerings

Designed as a transition course for those students who are R.N./A.D.N. with a B.S./B.A. in another field of study.

Attributes: *Upper-Division* Restrictions: *Nursing Majors only. Post-Baccalaureate only.*

NUR 4970 Research (1-5) Offerings

Prerequisites: HSC 4044 or BUS 1360 or MAT 1360 or a course in statistics. Examines the research process, including critique of in-process and completed research. Gives opportunity for a systematic investigation of a health-related topic of student's choice demonstrating knowledge of research methodology. This course should be taken by students who are transitioning into the M.S.N. program, and did not have a research course in their undergraduate program. Offered online every quarter.

Attributes: *Upper-Division*

NUR 4971 Nursing Research (2) Offerings

Prerequisite: HSC 4044, or BUS 2700 or MAT 2700, or PSY 2360 or SOC 2360, or a course in basic statistics. The examination of clinical practice for development of researchable problems. Gives opportunity for systematic investigation of a health-related topic of the student's choice. Also offered off campus.

Attributes: *Upper-Division* Co-Requisite: *HSC 4391* Restrictions: *Nursing Majors only. Post-Baccalaureate, Senior students only.*

PSY 1180 Gen Psych:Individual in Growth (5) Offerings

Introduces psychological principles of intrapersonal dynamics, interpersonal relationships, human development, abnormal behavior and the psychological processes of learning, perception, motivation and cognition.

Attributes: *Social Science A*

PSY 2360 Intro to Stats Soc & Behav Sci (5) Offerings

Prerequisites: High school algebra or equivalent; satisfactory completion of math proficiency requirement; and PSY 1180. Presents the conceptual basis and application of statistical analysis in social and behavioral research. Includes descriptive statistics, correlation and regression, hypothesis testing and inferential statistics. An introduction to analysis of variance and nonparametric statistics will also be provided.

Attributes: *Mathematics (MAT)* Restrictions: *Psychology, Sociology Majors only.*

PSY 2470 Life Span Developmental Psych (5) Offerings

Prerequisite: PSY 1180. Surveys human development from conception to death, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within social and cultural contexts, including developmental tasks and transitions associated with developmental stages.

SOC 2360 Intro to Stats Soc & Behav Sci (5) Offerings

Prerequisites: SOC 1110 and pass SPU Math Proficiency exam or complete remedial course sequence.

Presents the conceptual basis and application of statistical analysis in social and behavioral research. Includes descriptive statistics, correlation and regression, hypothesis testing and inferential statistics. An introduction to analysis of variance and non-parametric statistics will also be provided.

Attributes: *Mathematics (MAT)* **Restrictions:** *Psychology, Sociology Majors only.*

HEALTH SCIENCES DEPARTMENT FACULTY

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Englund, Ruby M. Associate Professor of Nursing; Bachelor of Science in Nursing, Gustavus Adolphus College 1964; Master of Nursing, University of Washington 1965. At SPU since 1966. ([Contact Info](#))

Fry, Mary Ellen. Associate Professor of Nursing; Bachelor of Science in Nursing, University of Washington 1966; Master of Science in Nursing, University of Washington 1972; Doctor of Philosophy, Oregon Health Science Univ 1994. At SPU since 1969. ([Contact Info](#))

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Hitchens, Emily Wurster. Department Chair of SHS Associate Dean / Professor of Nursing; Associate Dean, School of Health Sciences; Bachelor of Science in Nursing, University of Washington 1965; Master of Nursing, University of Washington 1967; Doctor of Education, Seattle University 1988. At SPU since 1979. ([Contact Info](#))

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Pedersen, Linda Marie. Department Chair of RNB Program Co-Director / RN to BS Program Co-Director; Bachelor of Science in Nursing, University of Iowa 1972; Master of Nursing, University of Washington 1984. At SPU since 2003. ([Contact Info](#))

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Stetz, Kathleen M. Professor of Nursing; B.S., University of Washington 1976; Master of Nursing, University of Washington 1981; Doctor of Philosophy, University of Washington 1986. At SPU since 1999. ([Contact Info](#))

West, Barbara Ann. Associate Professor of Nursing; Bachelor of Science in Nursing, San Diego State University 1974; Master of Science, University of Tennessee Chattanooga 1985; Doctor of Education, Tennessee State University 2005. At SPU since 2005. ([Contact Info](#))

Worcester, Martha Louise. Department Chair of NP Pathway Director / Associate Professor of Nursing; Director, Nurse Practitioner Pathway; Bachelor of Science in Nursing, Calif State University Chico 1962; Master of Science, University of Calif San Francisco 1964; Doctor of Philosophy, University of Washington 1990. At SPU since 1989. ([Contact Info](#))

School of Psychology, Family, and Community

Marston Hall
206-281-2918
www.spu.edu/depts/pfc/psych/

Mícheál D. Roe, Dean of the School of Psychology, Family, and Community

Faculty, staff, and students in the School of Psychology, Family and Community strive to become a community of learners who are:

Guided by Faith

Exploring the implications of vital expressions of Christian faith for the human condition, as well as for emotional and relational healing and health.

Rooted in Academic Discipline

Fostering rigorous and creative learning environments, as well as contributing primary scholarship to the scientific study of psychological and social processes.

Committed to Service

Grounding our learning community in the theory, research, and application of our disciplines in order to produce skilled graduates who can serve with character and competence in a broken world. Nurturing creative partnerships with our local community and beyond in order to serve in and learn from socially and culturally diverse settings.

Majors

[B.A. in Psychology](#)

[B.S. in Psychology](#)

Minor

[Psychology](#)

PSYCHOLOGY

Marston Hall
206-281-2918
www.spu.edu/depts/spfc/

FACULTY: [Lynette H Bikos](#), [Margaret A Diddams](#), [Jay R Skidmore](#), [David Gage Stewart](#), [John W Thoburn](#), [Thomas W. Wall](#), [Marcia Webb](#), [Beverly Jo Wilson](#), [Baine Burgess Craft](#), [Ursula Clare Krentz](#), [Kathleen Lustyk](#), [Margaret Alice Marshall](#), [Robert Bruce McKenna](#), [Amy H Mezulis](#), [Les Parrott](#), [Micheal Dean Roe](#)

The science of psychology explores the nature and causes of behavior, feelings, and thoughts, as well as effective ways to maintain psychological and social health. Modern psychology constantly changes as discoveries reveal new understandings, new research possibilities, and new applications to the human condition.

Psychology provides an excellent background for careers in counseling, teaching, social service, medicine, nursing, law, business, pastoral ministry, and many other areas of work where interpersonal understanding and skills are needed. In fact, our B.A. program allows students to obtain a double major, thereby broadening career opportunities. Our more comprehensive B.S. program combines behavioral and natural sciences and is particularly relevant for students with interests in the more experimental and laboratory side of psychology. The B.S. program also prepares students for further study and careers in fields such as physiological psychology, health psychology, and behavioral medicine, and it is an effective major for premedicine students.

Seattle Pacific University's location in an urban area provides students with opportunities to gain field experiences in mental health clinics, social-service agencies, educational institutions, hospitals, and in the business world. An internship coordinator is available to ensure a match between preparation, abilities, and interests of the student and the demands of the field experience. Teaching assistantships, research assistantships, and less formal

opportunities to work with psychology faculty on research projects are available to interested and qualified students. Leadership skills can be enhanced by training and practicum as small-group discussion leaders.

The psychology program at SPU endeavors to accomplish four goals: (1) To provide students with solid academic and experiential grounding in the theory, research, and practice of the field of psychology; (2) to prepare and inspire able and motivated students to enter and contribute to the field of psychology; (3) to nurture students toward valuing themselves and others as persons of worth, created in God's image; and (4) to empower students to act in this world. That is, actively celebrating God's human and non-human creation, actively showing mercy and compassion to the vulnerable, and actively challenging and changing aspects of society that deny or denigrate persons.

To qualify for admission to the major, a student must have a 2.0 minimum GPA.

[Requirements for the B.A. in Psychology](#)

[Requirements for the B.S. in Psychology](#)

Admission to the Major:

To qualify for admission to the major, a student must have a 2.0 minimum GPA and apply through the Psychology Department after successfully completing PSY 1180 General Psychology.

Students completing a major or minor in Psychology should note the following:

1. Both Relationship Development I and II (PSY 1250 and 2250) must be successfully completed with a letter grade (not Pass/No Credit) if a student desires to apply these courses towards a psychology major or minor.
2. Students must apply for and be accepted into the psychology major before registering for PSY 2360 Introduction to Statistics.
3. Students registering late are not guaranteed space in any course, regardless of their class standing (for example, graduating senior).

[Requirements for the minor in Psychology](#)

B.A. IN PSYCHOLOGY

61 Credits Total, Including 36 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
PSY 1180 Gen Psych:Individual in Growth	5
PSY 4688 History & Systems of Psych	5
PSY 4899 Senior Seminar in Psychology	3
PSY 4940 Internship in Psychology (3) PSY 4970 Independent Research (3)	3
SECTION CREDITS REQUIRED	16
Methods in Psychological Research	
Course	Credits
PSY 2360 Intro to Stats Soc & Behav Sci	5
PSY 3588 Psychological Research Methods	5
PSY 4100 Lab in Human Behavior (5) PSY 4101 Lab in Animal Behavior (5)	5
SECTION CREDITS REQUIRED	15

Social Psychology	
Course	Credits
PSY 3438 Social Psychology	5
SECTION CREDITS REQUIRED	5
Cognitive Psychology	
Course	Credits
PSY 3885 Learning and Cognition	5
SECTION CREDITS REQUIRED	5
Physiological Basis of Behavior	
Course	Credits
PSY 4488 Physiological Psychology	5
SECTION CREDITS REQUIRED	5
Developmental Psychology	
Course	Credits
PSY 2470 Life Span Developmental Psych (5)	5
PSY 3460 Child Developmental Psychology (5)	
PSY 4420 Adolescent Developmental Psych (5)	
SECTION CREDITS REQUIRED	5
Clinical/Counseling-Related Areas of Psychology	
Course	Credits
PSY 3442 Psychology of Personality (5)	5
PSY 4460 Abnormal Psychology (5)	
PSY 4470 Counseling Theory & Practice (5)	
SECTION CREDITS REQUIRED	5
Psychology Electives	5
TOTAL CREDITS REQUIRED	61

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

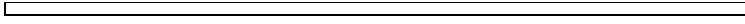
B.S. IN PSYCHOLOGY

87 Credits Total, Including 50 Upper Division

[Suggested Course Sequence](#)

General Core	
Course	Credits
PSY 1180 Gen Psych:Individual in Growth	5
PSY 4688 History & Systems of Psych	5
PSY 4899 Senior Seminar in Psychology	3

PSY 4940 Internship in Psychology (3)	3
PSY 4970 Independent Research (3)	
SECTION CREDITS REQUIRED	16
Methods in Psychological Research	
Course	Credits
PSY 2360 Intro to Stats Soc & Behav Sci	5
PSY 3588 Psychological Research Methods	5
PSY 4428 Advanced Statistical Analysis	5
PSY 4100 Lab in Human Behavior (5)	5
PSY 4101 Lab in Animal Behavior (5)	
SECTION CREDITS REQUIRED	20
Social Psychology	
Course	Credits
PSY 3438 Social Psychology	5
SECTION CREDITS REQUIRED	5
Cognitive Psychology	
Course	Credits
PSY 3885 Learning and Cognition	5
SECTION CREDITS REQUIRED	5
Physiological Basis of Behavior	
Course	Credits
PSY 4488 Physiological Psychology	5
SECTION CREDITS REQUIRED	5
Developmental Psychology	
Course	Credits
PSY 2470 Life Span Developmental Psych (5)	5
PSY 3460 Child Developmental Psychology (5)	
PSY 4420 Adolescent Developmental Psych (5)	
SECTION CREDITS REQUIRED	5
Clinical/Counseling-Related Areas of Psychology	
Course	Credits
PSY 3442 Psychology of Personality (5)	5
PSY 4460 Abnormal Psychology (5)	
PSY 4470 Counseling Theory & Practice (5)	
SECTION CREDITS REQUIRED	5
Natural Science and Human Behavior	
Course	Credits
BIO 4418 Neurobiology (5)	6
FCS 3320 Maternal & Child Nutrition (3)	
FCS 3340 Human Nutrition (5)	
HSC 3035 Human Sexuality (3)	
PSY 4485 Psychobiology of Women (5)	



SECTION CREDITS REQUIRED	6
Natural Science	
Course	Credits
BIO 2129 Human Anatomy & Physiology (5)	10
BIO 2130 Human Anatomy & Physiology (5)	10
CHM 1211 General Chemistry I (5)	10
CHM 1330 Organic & Biological Chemistry (5)	10
SECTION CREDITS REQUIRED	20
TOTAL CREDITS REQUIRED	87

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

PSYCHOLOGY MINOR

30 Credits Total, Including 15 Upper Division

Psychology Minor Core Requirement	
Course	Credits
PSY 1180 Gen Psych:Individual in Growth	5
SECTION CREDITS REQUIRED	5
Open Electives in Psychology	25
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

PSYCHOLOGY COURSE DESCRIPTIONS

BIO 2129 Human Anatomy & Physiology (5) Offerings
Studies the structure and function of the human organism. Includes cells and tissues, skeletal, integumentary, muscular, and nervous systems. Includes laboratory.
<u>Attributes:</u> <i>Natural Science A</i>
BIO 2130 Human Anatomy & Physiology (5) Offerings
Studies the structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal, and reproductive systems. Includes laboratory.
<u>Attributes:</u> <i>Natural Science A</i>
BIO 4418 Neurobiology (5) Offerings
Prerequisites: BIO 2102 or 2129. An introduction to the neurosciences, focusing on fundamental concepts and comparative aspects of nervous-system structure and function. Laboratory makes extensive use of invertebrate models to examine the cellular basis of behavior, including neuronal morphology, electrophysiology, and transmitter chemistry. Includes laboratory. Offered alternate years. Extra fee.

Attributes: *Upper-Division*

CHM 1211 General Chemistry I (5) [Offerings](#)

Prerequisites: Requires two years high school mathematics (including algebra), a passing score on the SPU Mathematics Proficiency exam (or completion of the required MAT 0120 credits), one year of high school chemistry, or CHM 1100 and passing the Chemistry Placement test. Introduces properties of matter, stoichiometry, chemical reactions, thermochemistry, states of matter, chemical bonding, and atomic and molecular structure. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

CHM 1330 Organic & Biological Chemistry (5) [Offerings](#)

Prerequisite: CHM 1211. Studies simpler laws of organic chemistry, nomenclature, and classification. Simple chemistry of carbohydrates, lipids and proteins, integration of metabolisms, and chemistry of heredity. Includes laboratory. Extra fee.

Attributes: *Natural Science B*

FCS 3320 Maternal & Child Nutrition (3) [Offerings](#)

Prerequisites: FCS 2385, 3340 or BIO 1100 (Human Nutrition). Studies the influence of nutrition on the course and outcome of pregnancy; nutritional needs during lactation, fundamentals of infant nutrition and influence of nutrition on growth, development, and behavior during infancy, childhood and adolescence. Women's study minor course.

Attributes: *Upper-Division*

FCS 3340 Human Nutrition (5) [Offerings](#)

Prerequisites: CHM 1211, 1330, BIO 2129, and 2130 (Note: either BIO 2130 or CHM 1330 may be taken concurrently). Presents essentials of adequate diets and food sources of the nutrients; nutritional needs throughout the lifespan; nutritional composition of foods in relation to normal diets and medical nutrition therapy.

Attributes: *Upper-Division*

HSC 3035 Human Sexuality (3) [Offerings](#)

Introduces basic aspects of human sexuality: biologically how the reproductive system works; psychologically how males and females view their sexuality; and sociologically how sexual values and behavior affect the society as a whole. Christian perspectives will be related to the development of sexual values.

Attributes: *Upper-Division* Restrictions: *Freshman students are excluded.*

PSY 1180 Gen Psych:Individual in Growth (5) [Offerings](#)

Introduces psychological principles of intrapersonal dynamics, interpersonal relationships, human development, abnormal behavior and the psychological processes of learning, perception, motivation and cognition.

Attributes: *Social Science A*

PSY 1250 Relationship Development I (2) [Offerings](#)

A foundation course introducing healthy relational principles through self-exploration of interpersonal needs and dynamics. Includes the application of psychological research to gender differences, family of origin issues, relational needs and the dating process.

PSY 2250 Relationship Development II (2) [Offerings](#)

Prerequisite: PSY 1250. Presents the conceptual and practical basis for making healthy relational commitments. Includes the application of psychological research to friendship, love, intimacy, marital myths and mate selection.

Restrictions: *Freshman, Sophomore students are excluded.*

PSY 2360 Intro to Stats Soc & Behav Sci (5) [Offerings](#)

Prerequisites: High school algebra or equivalent; satisfactory completion of math proficiency requirement; and PSY 1180. Presents the conceptual basis and application of statistical analysis in social and behavioral research. Includes descriptive statistics, correlation and regression, hypothesis testing and inferential statistics. An introduction to analysis of variance and nonparametric statistics will also be provided.

Attributes: *Mathematics (MAT)* Restrictions: *Psychology, Sociology Majors only.*

PSY 2361 Research Experience in Psych (1-3) [Offerings](#)

Prerequisite: PSY 1180. Provides introductory experiences in the conduct of actual empirical research in social and behavioral science. Credits may not be applied toward the minimum 30 needed to complete the minor. May be repeated for credit up to 6 credits.

PSY 2422 Psychology of Personal Growth (3) [Offerings](#)

Prerequisite: PSY 1180. Views adjustive processes in terms of coping with struggles in life. Building on an understanding of adjustment, growth and self, the course explores coping strategies dealing with physical, cognitive, emotional and social influences.

PSY 2470 Life Span Developmental Psych (5) [Offerings](#)

Prerequisite: PSY 1180. Surveys human development from conception to death, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within social and cultural contexts, including developmental tasks and transitions associated with developmental stages.

PSY 3438 Social Psychology (5) [Offerings](#)

Prerequisite: PSY 1180. Examines human thought, emotion, and behavior in social contexts. Major topics include impression formation, social cognition, attribution, self, attitudes, persuasion, prejudice, conformity, group behavior, aggression, helping, attraction, and interpersonal relationships. SOC 4440 may be substituted for PSY 3438 in the psychology major, although PSY 3438 is the recommended course. Students may not receive credit for both PSY 3438 and SOC 4440.

Attributes: *Upper-Division*

PSY 3439 Motivation & Leadership (5) [Offerings](#)

Prerequisite: PSY 1180. Presents the theories and principles of motivation and leadership as an introduction to the field of industrial/organizational psychology with practical applications in business, church, community and educational settings.

Attributes: *Upper-Division*

PSY 3442 Psychology of Personality (5) [Offerings](#)

Prerequisite: PSY 1180. Surveys the major theoretical views of personality with emphasis on comparison, contrast and practical implications for improving the understanding of self and others.

Attributes: *Upper-Division*

PSY 3448 Tests & Measurements in Psych (5) [Offerings](#)

Prerequisites: PSY 1180 and PSY 2360 or equivalent. Explores the nature and use of measurement and evaluation, psychometric theory and standardized testing. Develops concepts and skills in the development, selection, administration and interpretation of psychological and educational tests and nontesting means of evaluation.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

PSY 3460 Child Developmental Psychology (5) [Offerings](#)

Prerequisite: PSY 1180. Surveys child development from conception through late childhood, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within social and cultural contexts, including parent-child relationships. Includes an introduction to the observation,

measurement and evaluation of children.

Attributes: *Upper-Division*

PSY 3588 Psychological Research Methods (5) Offerings

Prerequisites: PSY 1180 and 2360 or equivalent. Explores the nature of scientific inquiry, the variety of psychological research methods, the design of internally and externally valid studies, and the application to designs of statistical techniques. Develops skills in locating, interpreting and evaluating published research.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman, Sophomore students are excluded.*

PSY 3600 Small Group Leadership (3) Offerings

Prerequisite: PSY 1180. Focuses on theory and applications of research regarding small-group interaction and leadership. Will provide students with practical supervised experience in group leadership.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

PSY 3885 Learning and Cognition (5) Offerings

Prerequisite: PSY 1180. Studies the theories, methodologies, and findings of behavior, learning, and cognition. Topics include classical and instrumental conditioning, and the information processing aspects of memory, concept formation, reasoning, problem solving and development. Emphasis will be placed on biological, neurological, comparative, and evolutionary correlates of learning and cognition. Laboratory demonstrations will be conducted using both nonhuman and human participants.

Attributes: *Upper-Division*

PSY 4100 Lab in Human Behavior (5) Offerings

Prerequisites: PSY 1180 and 3588. The objective of this course is to introduce students to the process of conducting ethically sound research with human participants. Students will draw from material learned in previous psychology classes, especially Psychological Research Methods and Introduction to Statistics to design, implement, and present unique empirical research under the supervision of a psychology faculty member. Students will obtain Institutional Review Board approval for the original research conducted in this course.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Psychology Majors only. Freshman, Sophomore students are excluded.*

PSY 4101 Lab in Animal Behavior (5) Offerings

Prerequisites: PSY 1180, 3588, and 3885. The objective of this course is to introduce students to the process of conducting ethically sound research with nonhuman subjects. Students will draw from material learned in previous psychology classes, especially Psychological Research Methods, Introduction to Statistics, and Learning and Cognition to design, implement, and present unique empirical research under the supervision of a psychology faculty member. Students will obtain Institutional Animal Care and Use Committee approval for the original research conducted in this course.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Psychology Majors only. Freshman, Sophomore students are excluded.*

PSY 4402 Psychology of Religion (3) Offerings

Prerequisite: PSY 1180. Focuses on psychological processes of religious motivation, rituals, recruitment, conversion, and the development and maintenance of religious beliefs. Stages of faith development and the effects of religion on psychological functioning will be explored.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

PSY 4410 Cross-Cultural Psychology (3) Offerings

Prerequisite: At least one introductory course in the social and behavioral sciences. A comparative study of perception, cognition and life span development in non-Western cultures. Special focus is placed on understanding Western and non-Western worldviews and their relationship to such topics as child rearing practices, psychosocial adjustment and spiritual expression.

Attributes: *Upper-Division* Restrictions: *Freshman, Sophomore students are excluded.*

PSY 4420 Adolescent Developmental Psych (5) Offerings

Prerequisite: PSY 1180. Provides an overview of adolescent development focusing on the interaction of the physical, cognitive, emotional, moral, social, familial, educational and vocational dimensions within social and cultural contexts. Includes an introduction to the observation, measurement and evaluation of adolescents.

Attributes: Upper-Division

PSY 4428 Advanced Statistical Analysis (5) Offerings

Prerequisites: PSY 2360. An advanced course in statistical analyses, particularly relevant for students with interests in conducting social and behavioral research. Topics include multiple regression, factor analysis and advanced applications of analysis of variance.

Attributes: Upper-Division

PSY 4460 Abnormal Psychology (5) Offerings

Prerequisites: PSY 1180. Provides critical analysis of the history, etiology and symptomatology of abnormal behavior with reference to modern methods of assessment and treatment. Emphasizes an interdisciplinary approach to understanding maladaptive behavior.

Attributes: Upper-Division

PSY 4470 Counseling Theory & Practice (5) Offerings

Prerequisites: PSY 1180 and PSY 3442. Provides an overview of the current approaches and techniques of psychological counseling. Examines the critical issues of counseling with an emphasis on personal-skill development. Provides application through use of role play, supervised experiences and videotape recording.

Attributes: Upper-Division

PSY 4485 Psychobiology of Women (5) Offerings

Prerequisite: PSY 1180. Addresses how endocrinology, anatomy and physiology influence female behavior, affect and quality of life during several time segments across the life span. Issues such as the physical and psychological development of the female, the bi-directional relationship between hormones and behavior, pregnancy, childbirth and lactation, and menopause will be addressed in both a physical and social context.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

PSY 4488 Physiological Psychology (5) Offerings

Prerequisite: PSY 1180. The biological bases of behavior are explored through essential concepts in anatomy, physiology, biochemistry and pharmacology within the context of behavioral processes. Introduction to sensation and perception provided. The nervous and endocrine systems are presented as a foundation for behavior.

Attributes: Upper-Division

PSY 4688 History & Systems of Psych (5) Offerings

Prerequisite: PSY 1180 and a minimum of 25 hours of psychology. Gives an historical review and philosophical analysis of the development of psychology as a discipline. Emphasis is given to the relationship between specific historical antecedents and contemporary trends in psychology.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

PSY 4899 Senior Seminar in Psychology (1-5) Offerings

Prerequisites: PSY 3588 and at least 40 credits completed in psychology. A capstone experience in psychology integrating psychological theories and research in the context of the liberal arts and the Christian faith.

Attributes: Upper-Division Restrictions: Psychology Majors only. Senior students only.

PSY 4900 Independent Study (1-5) Offerings

Prerequisite: PSY 1180. Students will carry out an extensive exploration of a topic in psychology. Study is under supervision of a psychology faculty member, and builds on previous course preparation in

psychology. Objective is to provide greater depth in analysis, synthesis and evaluation of the topic of interest. Substantial reading and writing expected. Credits may not be applied toward the minimum 30 needed to complete the minor. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

PSY 4910 Topical Seminar in Psychology (1-5) Offerings

Seminar style course designed to consider contemporary and controversial issues in psychology. Not offered every year.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

PSY 4930 Practicum (1-5) Offerings

Practicum May be repeated for credit up to 5 credits.

PSY 4940 Internship in Psychology (1-5) Offerings

Prerequisite: PSY 1180. Provides field experience in some phase of psychological work in the community. Builds on previous course preparation in psychology. Twenty-five hours of field work will be completed for each credit. A minimum of five hours per week on-site required. Participation in a biweekly seminar is also required. Credits may not be applied toward the minimum 30 needed to complete the minor. For students desiring placements in social-service agencies, SOC 4310 and SOC 4380 are recommended. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

PSY 4970 Independent Research (1-3) Offerings

Prerequisites: PSY 1180, PSY 2360 or equivalent, PSY 3588. Student will carry out empirical research under the supervision of a psychology faculty member and synthesize the findings in a written research report. Objective is to apply skills in research methods and data analysis. Credits may not be applied toward the minimum 30 needed to complete the minor. Credit variable up to a maximum of three per term. May be repeated for credit up to 9 credits.

Attributes: *Upper-Division* **Restrictions:** *Freshman, Sophomore students are excluded.*

PSYCHOLOGY DEPARTMENT FACULTY

Craft, Baine Burgess. Assistant Professor of Psychology; B.S., Miss College 2001; Master of Arts, University of Montana 2004; Doctor of Philosophy, University of Montana 2005. At SPU since 2006. ([Contact Info](#))

Krentz, Ursula Clare. Assistant Professor of Psychology; B.A., University of Chicago 1996; Doctor of Philosophy, University of Washington 2003. At SPU since 2004. ([Contact Info](#))

Lustyk, Kathleen. Professor of Psychology; B.S., University of Washington 1988; Doctor of Philosophy, University of Washington 1992. At SPU since 1996. ([Contact Info](#))

Marshall, Margaret Alice. Department Chair of Undergraduate / Assistant Professor and Chair of Psychology; B.S., University of Washington 1998; Master of Science, University of Washington 2001; Doctor of Philosophy, University of Washington 2002. At SPU since 2002. ([Contact Info](#))

McKenna, Robert Bruce. Department Chair of Graduate, Organizational Psychology / Associate Professor and Chair of Organizational Psychology; B.A., Seattle Pacific University 1990; Master of Bus Administration, Seattle Pacific University 1992; Doctor of Philosophy, Claremont Graduate University 1998. At SPU since 1999. ([Contact Info](#))

Mezulis, Amy H. Assistant Professor of Graduate Psychology; B.A., Harvard University 1994; Master of Arts, University of Calif Berkeley 1996; Master of Science, University of Wisc Madison 2002; Doctor of Philosophy, University of Wisc Madison 2005. At SPU since 2006. ([Contact Info](#))

Parrott, Les. Professor of Psychology; B.A., Olivet Nazarene University 1984; Master of Arts, Fuller Theological Seminary 1988; Doctor of Philosophy, Fuller Theological Seminary 1990. At SPU since 1989. ([Contact Info](#))

Roe, Micheal Dean. Dean of School of Psychology, Family and Community; B.A., University of Calif San Diego 1973; Master of Education, University of Washington 1975; Doctor of Philosophy, University of Washington 1981. At SPU since 1988. ([Contact Info](#))

School of Theology

Alexander Hall
206-281-2342
www.spu.edu/depts/sot/

Doug Strong, Dean of the School of Theology

Majors

[Educational Ministry Major](#)
[Christian Theology Major](#)

Minors

[Christian Scriptures Minor](#)
[Christian Spirituality Minor](#)
[Christian Theology Minor](#)
[Educational Ministry Minor](#)
[Global and Urban Ministry Minor](#)
[Youth Ministry Minor](#)

[International Service Certificate](#)

The mission of the [School of Theology](#) at Seattle Pacific University is to educate and prepare all our students to engage the culture as thoughtful people. We seek to foster their intellectual, personal, and spiritual growth, and help them master those critical skills and multicultural sensitivities needed to understand Christian faith and translate it into practices that change the world.

The School stands squarely in the Methodist heritage and our courses are shaped by our commitment to the method of theological inquiry delineated by John Wesley, the founder of that tradition. According to that method, there are four sources of Christian truth that believers must consult: the Bible (which is preeminent among the four), church tradition, human reason, and their own personal experience of the Risen Christ. These sources are understood to be correlative and mutually corrective, and the adventure of theological inquiry consists precisely in listening attentively to the distinct but compatible contributions of each. It is our expectation that students who practice this method will come to an informed, confident, and deeply "owned" Christian faith.

The School of Theology serves all SPU students through courses meeting University Foundations requirements. These requirements, described elsewhere in this *Undergraduate Catalog*, introduce students to the biblical heritage and to the distinctive doctrines and practices of various strands within the historic Christian tradition.

We offer two majors: [educational ministry](#) and [Christian theology](#). These majors are described in detail below. Please note that although they share a common core of courses (a fact that facilitates double-majoring), each also includes an array of specialized courses suitable to its distinctive focus. We also offer [six minors](#): (1) Christian Scriptures; (2) Christian spirituality; (3) educational ministry; (4) youth ministry; (5) Christian theology; and (6) global and urban ministry. A minor in one of these areas will enrich the Christian perspective of a student's chosen major and strengthen the connection between one's faith and one's life in the workplace, home, church, and world. Finally, we offer an International Service Certificate for those interested in living and working in multicultural settings.

Admission to Majors or Minors

To qualify for a major in the School of Theology, students must have a cumulative GPA of 2.0 or higher in all previous college credits and have attained at least a B- grade in a University Foundations course.

MAJORS

Educational Ministry Major

Robert Drovdahl, [Contact](#)

The field of educational ministry, traditionally known as Christian education, is an interdisciplinary area addressing the question of how we facilitate spiritual development in persons. To answer this question, the field explores the foundational theological disciplines, the social sciences, and educational philosophy. A major in educational ministry is recommended for students interested in spiritual development and the educational/equipping ministry of the church. It provides a pre-professional course of study within a liberal arts perspective for students pursuing full-time ministry in a church or parachurch setting. Occupationally, educational ministry majors work within church and

parachurch organizations. Possible church roles include director of Christian education, youth director, and children's director. Possible parachurch settings include student development, Christian service organizations, Christian camping, and curriculum design. Some students also combine a major in educational ministry with education certification to prepare for elementary school teaching. [Requirements for the Educational Ministry Major](#)

Christian Theology Major

Richard Steele, [Contact](#)

As the study of Christian belief and practice with the goal of fostering faithful Christian life, theology is necessarily multidisciplinary. The Christian theology major is designed to cultivate an appreciation for how Scripture, tradition, reason, and experience rightly inform theological reflection. The aim of this major within the liberal arts is to nurture those skills and capacities required of a thoughtful and articulate faith. As a result of majoring in Christian theology, the student is well prepared for either the workplace or for graduate study in the humanities or the professions. Besides enriching the student's life with God, this major also seeks to enhance the student's service to the church. [Requirements for the Christian Theology Major](#)

MINORS

Christian Scriptures Minor

Robert Wall, [Contact](#)

The purpose of the Christian Scriptures minor is to lead students into more mature understanding of Scriptures' teaching about God. Not only is this minor designed to be intellectually invigorating, but each course also intends to relate Scripture to Christian formation in spiritually enriching and challenging ways. Course by course, students will learn how to interpret Scripture with skill and grace, discovering the historical, literary, and theological aspects of different biblical writings and the practical implications of each for Christian faith and witness today.

[Requirements for the Christian Scriptures Minor](#)

Christian Spirituality Minor

Robert Drov Dahl, [Contact](#)

The Christian Spirituality minor provides a formal way for students to attend to their growth in Christian faith during the college years. The courses introduce students to the historical and theological foundations of Christian spirituality, teach students the practices that cultivate spiritual growth, and teach the dynamics and value of life together on the journey of faith. The program culminates with a pilgrimage journey.

[Requirements for the Christian Spirituality Minor](#)

Christian Theology Minor

Richard Steele, [Contact](#)

The Christian theology minor is intended for the student who wants to approach his or her major discipline from a perspective richly informed by the heritage of Christian thought and practice. As such, the student is given as much leeway as possible in course selection, within the general parameters established by the School of Theology for balanced and responsible theological inquiry. [Requirements for the Christian Theology Minor](#)

Educational Ministry Minor

Robert Drov Dahl, [Contact](#)

Issues in spiritual development and the educational/equipping ministry of the church affect all Christians. A minor in educational ministry provides an ideal program for exploring these issues and strengthening a student's ability to serve in present and future life roles: church leader or teacher, Christian parent, a profession that involves a helping relationship and other roles concerned with nurturing spiritual development. [Requirements for the Educational Ministry Minor](#)

Global and Urban Ministry Minor

Delia Nüesch-Oliver, [Contact Info](#)

The global and urban ministry (GUM) minor serves students in all majors, equipping students to understand the theological and contextual realities of the world today, which is heavily urban and multiethnic. We strive to develop global Christians who will participate in God's transformation of the world. This program offers a minor, an internship, and a certificate. The internship may be completed either through the course, *Interpreting the City*, or through a minimum of six weeks spent in residence in an ethnic community overseas or locally, working on an academic project. In the term preceding the field experience, the student will enroll in 1 credit of independent study with a GUM professor to design the project. Following the field experience, the student will enroll in 1 credit of independent study to write a paper summarizing the field research. An internship will earn 5 credits, including the independent study credits. [Requirements for the Global and Urban Ministry Minor](#)

Youth Ministry Minor

Jeff Keuss , [Contact](#)

Reaching today's youth with the gospel requires dedicated, capable leadership. The minor prepares students for effective ministry by an education in the theological, relational, and programming foundations of youth ministry and training in skills for youth ministry. The minor culminates with an internship in a church or parachurch ministry.

[Requirements for Youth Ministries Minor](#)

Young Life Program

Students may combine the youth ministry minor with a supervised internship with [Young Life](#). Interns may work toward full-time placement after college through Young Life's church partnership program or as full-time Young Life staff. For more information, contact the [School of Theology](#).

International Service Certificate

This brief program offers useful training for students who hope to live and work multiculturally as Christians, but who cannot take enough courses to earn a minor in global and urban ministry.

EDUCATIONAL MINISTRY MAJOR

Alexander Hall
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www.spu.edu/depts/sot/

FACULTY: [Miriam Ann Adeney](#), [Kerry Dearborn](#), [Robert Drovda](#)l, [Jan Fekkes III](#), [Jeffrey F. Keuss](#), [Sara Malmin Koenig](#), [Douglas Michael Koskela](#), [Eugene E Lemcio](#), [John R Levison](#), [Bo-Hyon Lim](#), [David Robert Nienhuis](#), [Delia Nuesch-Olver](#), [Priscilla Pope-Levison](#), [C Edward Smyth](#), [Frank Anthony Spina](#), [Richard Bruce Steele](#), [Robert Walter Wall](#), [David E. Wilhite](#)

The mission of the School of Theology at Seattle Pacific University is to educate and prepare all our students to engage the culture as thoughtful people. We seek to foster their intellectual, personal, and spiritual growth, and help them master those critical skills and multicultural sensitivities needed to understand Christian faith and translate it into practices that change the world.

The School stands squarely in the Methodist heritage and our courses are shaped by our commitment to the method of theological inquiry delineated by John Wesley, the founder of that tradition. According to that method, there are four sources of Christian truth that believers must consult: the Bible (which is preeminent among the four), church tradition, human reason, and their own personal experience of the Risen Christ. These sources are understood to be correlative and mutually corrective, and the adventure of theological inquiry consists precisely in listening attentively to the distinct but compatible contributions of each. It is our expectation that students who practice this method will come to an informed, confident, and deeply "owned" Christian faith.

The School of Theology serves all SPU students through courses meeting University Foundations requirements. These requirements, described elsewhere in this Catalog, introduce students to the biblical heritage and to the distinctive doctrines and practices of various strands within the historic Christian tradition.

We offer two majors: educational ministry and Christian theology. These majors are described in detail below. Please note that although they share a common core of courses (a fact that facilitates double-majoring), each also includes an array of specialized courses suitable to its distinctive focus. We also offer five minors: Christian Scriptures; educational ministry; youth ministry; Christian Theology; and global and urban ministry. A minor in one of these areas will enrich the Christian perspective of a student's chosen major and strengthen the connection between one's faith and one's life in the workplace, home, church, and world. Finally, we offer an International Service Certificate for those interested in living and working in multicultural settings.

Admission to Majors or Minors

To qualify for a major in the School of Theology, students must have a cumulative GPA of 2.0 or higher in all previous college credits and have attained at least a B- grade in a University Foundations course.

Educational Ministry Major

Robert Drov Dahl, Contact

The field of educational ministry, traditionally known as Christian education, is an interdisciplinary area addressing the question of how we facilitate spiritual development in persons. To answer this question, the field explores the foundational theological disciplines, the social sciences, and educational philosophy. A major in educational ministry is recommended for students interested in spiritual development and the educational/equipping ministry of the church. It provides a pre-professional course of study within a liberal arts perspective for students pursuing full-time ministry in a church or parachurch setting. Occupationally, educational ministry majors work within church and parachurch organizations. Possible church roles include director of Christian education, youth director, and children's director. Possible parachurch settings include student development, Christian service organizations, Christian camping, and curriculum design. Some students also combine a major in educational ministry with education certification to prepare for elementary school teaching.

Requirements for the Educational Ministry Major

Note: The requirements for the major are in addition to meeting the Foundations requirements.

EDUCATIONAL MINISTRY MAJOR

59 Credits Total, Including 46 Upper Division

Suggested Course Sequence

Christian Heritage: Choose two from the following:	
Course	Credits
THEO 3301 Early & Medieval Christianity	5
THEO 3302 Reformatn & Modrn Christianity	5
THEO 3303 Christianity in America	5
THEO 3331 Women in Christianity	5
SECTION CREDITS REQUIRED	10
Christian Ministry	
Course	Credits
THEO 2710 Foundations for Educ Ministry	5
THEO 2720 Curriculum and Instruction	5
THEO 3710 Human Devlp & Christian Faith	5
THEO 3730 Progrm Plannng in Youth Minstry	3
THEO 4720 Leadership in Ministry	5
THEO 4731 Child Devlpmnt & Educ Minstry	3
THEO 4733 Adult Devlp & Eductnl Ministry	3
THEO 4899 Christian Theology Capstone	2
SECTION CREDITS REQUIRED	31
One Upper Division course in Christian Doctrine	5
Select One additional course in Educational Ministry	3
Select Two Upper Division Scriptures courses	10
TOTAL CREDITS REQUIRED	59

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EDUCATIONAL MINISTRY MINOR

31 Credits Total, Including 16 Upper Division

Educational Ministry Minor Core Requirements	
Course	Credits
THEO 2710 Foundations for Educ Ministry	5
THEO 2720 Curriculum and Instruction	5
THEO 4720 Leadership in Ministry	5
SECTION CREDITS REQUIRED	15
Select Two from the following Age Level courses	
Course	Credits
THEO 3730 Progrm Plannng in Youth Minstry (3)	6
THEO 4731 Child Devlpmnt & Educ Minstry (3)	
THEO 4733 Adult Devlp & Eductnl Minstry (3)	
SECTION CREDITS REQUIRED	6
Elective Coursework in Educational Ministry	5
One Course from Christian Doctrine Section	5
TOTAL CREDITS REQUIRED	31

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

EDUCATIONAL MINISTRY COURSE DESCRIPTIONS**THEO 2710 Foundations for Educ Ministry (5) [Offerings](#)**

Introduces students to the definition, scope, and nature of the Church's teaching ministry. The task of educational ministry is designing teaching/learning experiences and environments that facilitate Christian formation. Students will examine the theological, historical, philosophical, and psycho-social foundations for educational ministry.

THEO 2720 Curriculum and Instruction (5) [Offerings](#)

Provides a systematic approach to curriculum development and instructional theory for Christian education including theological, sociological, and psychological concerns at each age level. Emphasis is on effective Bible teaching.

THEO 3301 Early & Medieval Christianity (5) [Offerings](#)

A survey of Christianity from its post-apostolic origins to the end of the Middle Ages. Initially, evaluates the formation of orthodoxy, the challenge of heterodoxy, early monasticism, missions to Western Europe; then explores the achievement of the medieval Church through a study of the papacy, scholasticism, and the Crusades.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

THEO 3302 Reformatn & Modrn Christianity (5) Offerings

A survey of European and Latin American Christian history from the 16th century to the present. Attention will be given to the Protestant and Catholic Reformations of the 16th century; to the colonization and evangelization of the Americas in the 16th and following centuries; to the rationalism, orthodoxy, and pietism of the 17th century; to the revivalism of the 18th century; to the historicism and liberalism in the 19th century; and to the emergence of neoorthodoxy, the ecumenical movement, and liberation theologies in the 20th century.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

THEO 3303 Christianity in America (5) Offerings

A survey of the development of American Christian thought and institutions from the 17th century to the present. Representative works by major thinkers of different historical periods and denominational affiliations will be studied. Particular attention will be given to the contemporary religious landscape, that is, to the varieties of American church life today.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

THEO 3331 Women in Christianity (5) Offerings

This course integrates Church history, biblical study, and Christian theology to develop students' understanding of women in Christianity. The class will include a survey of women in the Christian tradition including women of faith in the Bible and in Church history. Students will gain understanding of the philosophical and cultural contexts of biblical references to women and will probe the biblical texts to gain insight into their meaning and their implications for the present. Contributions that selected women have made to the church and the world will be highlighted. Theology, ministry style, community and family dynamics, and challenges faced by women today will be discussed. This course may be taken toward the Women's Studies minor.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

THEO 3710 Human Devlp & Christian Faith (5) Offerings

Studies the integration of theology and life span psychology in an attempt to understand the process of becoming and being Christian. Stage theories of development, human religious experience, and metaphorical and narrative theology are addressed.

Attributes: Upper-Division

THEO 3730 Progrm Planng in Youth Minstry (3) Offerings

This course addresses key ministry concerns in regard to logistics, planning, and programming for a balanced ministry to the whole church through the lives of youth. Emphasis will be placed on planning with diversity and/or special needs which arise within a ministry to youth and families.

Attributes: Upper-Division

THEO 4720 Leadership in Ministry (5) Offerings

Prerequisite: THEO 2710. A study of leadership from four perspectives: theological issues in leadership; understanding oneself as a leader; leadership behavior and skills; and leadership in a team context. The course focuses on preparation for a leadership position in educational ministry.

Attributes: Upper-Division, Writing "W" Course

THEO 4731 Child Devlpmnt & Educ Minstry (3) Offerings

Prerequisites: THEO 2710, 3710. Studies age-group characteristics, needs and interests of children with special emphasis on program development, and teaching techniques related to program ideas.

Attributes: Upper-Division

THEO 4733 Adult Devlp & Eductnl Ministry (3) Offerings

Prerequisites: THEO 2710, 2720, 3710. Studies the various periods of adulthood from the standpoint of characteristics, needs, aims, material, and methods of teaching. Emphasizes the teaching process for adults in terms of andragogy (a shared approach to learning) as opposed to pedagogy.

Attributes: *Upper-Division*

THEO 4899 Christian Theology Capstone (2) Offerings

Prerequisites: UFDN 3000 or 3100. Incorporates the breadth of the theological disciplines and provides integration of themes from UFDN and UCOR common curriculum. Reflection on the integration of faith and learning toward vocational goals will also be included.

Attributes: *Upper-Division* Restrictions: *Senior students only.*

CHRISTIAN THEOLOGY MAJOR

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FACULTY: [Miriam Ann Adeney](#), [Kerry Dearborn](#), [Robert Drovda](#), [Jan Fekkes III](#), [Jeffrey F. Keuss](#), [Sara Malmin Koenig](#), [Douglas Michael Koskela](#), [Eugene E Lemcio](#), [John R Levison](#), [Bo-Hyon Lim](#), [David Robert Nienhuis](#), [Delia Nuesch-Olver](#), [Priscilla Pope-Levison](#), [C Edward Smyth](#), [Frank Anthony Spina](#), [Richard Bruce Steele](#), [Robert Walter Wall](#), [David E. Wilhite](#)

The mission of the School of Theology at Seattle Pacific University is to educate and prepare all our students to engage the culture as thoughtful people. We seek to foster their intellectual, personal, and spiritual growth, and help them master those critical skills and multicultural sensitivities needed to understand Christian faith and translate it into practices that change the world.

The School stands squarely in the Methodist heritage and our courses are shaped by our commitment to the method of theological inquiry delineated by John Wesley, the founder of that tradition. According to that method, there are four sources of Christian truth that believers must consult: the Bible (which is preeminent among the four), church tradition, human reason, and their own personal experience of the Risen Christ. These sources are understood to be correlative and mutually corrective, and the adventure of theological inquiry consists precisely in listening attentively to the distinct but compatible contributions of each. It is our expectation that students who practice this method will come to an informed, confident, and deeply “owned” Christian faith.

The School of Theology serves all SPU students through courses meeting University Foundations requirements. These requirements, described elsewhere in this Catalog, introduce students to the biblical heritage and to the distinctive doctrines and practices of various strands within the historic Christian tradition.

We offer two majors: educational ministry and Christian theology. These majors are described in detail below. Please note that although they share a common core of courses (a fact that facilitates double-majoring), each also includes an array of specialized courses suitable to its distinctive focus. We also offer five minors: Christian Scriptures; educational ministry; youth ministry; Christian Theology; and global and urban ministry. A minor in one of these areas will enrich the Christian perspective of a student’s chosen major and strengthen the connection between one’s faith and one’s life in the workplace, home, church, and world. Finally, we offer an International Service Certificate for those interested in living and working in multicultural settings.

Admission to Majors or Minors

To qualify for a major in the School of Theology, students must have a cumulative GPA of 2.0 or higher in all previous college credits and have attained at least a B- grade in a University Foundations course.

Christian Theology Major

Richard Steele, Contact

As the study of Christian belief and practice with the goal of fostering faithful Christian life, theology is necessarily multidisciplinary. The Christian theology major is designed to cultivate an appreciation for how Scripture, tradition, reason, and experience rightly inform theological reflection. The aim of this major within the liberal arts is to nurture those skills and capacities required of a thoughtful and articulate faith. As a result of majoring in Christian theology, the student is well prepared either for the workplace or for graduate study in the humanities or the professions. Besides enriching the student’s life with God, this major also seeks to enhance the student’s service to the church.

Requirements for the Christian Theology Major

Note: The requirements for the major are in addition to meeting the Foundations requirements.

Requirements for the Christian Theology Minor

The Christian Theology Minor is intended for the student who wants to approach his or her major discipline from a perspective richly informed by the heritage of Christian thought and practice. As such, the student is given as much leeway as possible in course election, within the general parameters established by the School of Theology for balanced and responsible theological inquiry. 9-10 credits of electives are required.

You may select any two additional 5-credit courses from those listed in the requirements or from the courses listed below:

- THEO 3110 Torah/Pentateuch (5)
- THEO 3120 The Former Prophets (5)
- THEO 3130 Word as Witness: Israel's Prophets (5)
- THEO 3140 Biblical Wisdom (5)
- THEO 3210 Four Gospels and One Jesus (5)
- THEO 3220 Faith and Works: New Testament Letters (5)
- THEO 3240 The Book of Revelation (5)
- THEO 3601 Multiethnic Ministry (GUM) (3)
- THEO 3710 Human Development and Christian Faith (5)
- THEO 4000 From the Old Testament to the New (5)
- THEO 4290 Biblical Theology (5)
- THEO 4602 Issues in Latin American Christianity (GUM) (3)
- THEO 4603 Issues in Asian/African Christianity (GUM) (3)
- THEO 4610 World Religions (GUM) (3)
- THEO 4900 Independent Study (4)
- PHI 3900 Advanced Philosophy of Religion (5)
- PSY 4402 Psychology of Religion (5)
- SOC 4820 Sociology of Religion (5)
- SOC 4910 Seminar: Sociology of the First Century Church (3)
- SOC 4910 Seminar: Sociology of the New Testament (3)
- TRE 4899 The Arts and Religious Experience (5)

CHRISTIAN THEOLOGY MAJOR

55 Credits Total, Including 40 Upper Division

Suggested Course Sequence

Christian Scriptures	
Course	Credits
THEO 3110 Torah/Pentateuch: O.T. Gospel (5)	5
THEO 3120 The Former Prophets (5)	
THEO 3130 Word as Witness: Prophets (5)	
THEO 3140 Bibl Wsdm:Encntr God Evrdy Lif (5)	
THEO 3210 Four Gospels and One Jesus (5)	5
THEO 3220 Prophecy,Power & Politics:Acts (5)	
THEO 3230 New Testament Letters (5)	
THEO 3240 Book of Revelation (5)	
THEO 4100 Biblical Ethics (5)	5
THEO 4290 Biblical Theology (5)	
SECTION CREDITS REQUIRED	15
Christian Heritage	
Course	Credits
THEO 3301 Early & Medieval Christianity	5
THEO 3302 Reformatn & Modrn Christianity	5

THEO 3303 Christianity in America	5
THEO 3331 Women in Christianity	5
SECTION CREDITS REQUIRED	10
Christian Doctrine	
Course	Credits
THEO 3401 Exploring Christian Doctrine (5)	10
THEO 4401 Representative Theologians (5)	
SECTION CREDITS REQUIRED	10
Christian Ethics	
Course	Credits
PHI 1002 History of Ethics	5
THEO 3501 Christian Ethics	5
THEO 3510 Christianity and Society	5
SECTION CREDITS REQUIRED	5
Christian Ministry	
Course	Credits
THEO 2710 Foundations for Educ Ministry (5)	5
THEO 3710 Human Devlp & Christian Faith (5)	
THEO 3601 Multi-Ethnic Ministry (3)	3
THEO 3640 Cross-Cultural Communication (3)	
THEO 4610 World Religions (3)	
SECTION CREDITS REQUIRED	8
Philosophical Backgrounds	
Course	Credits
PHI 1004 Survey of Western Philosophy	5
SECTION CREDITS REQUIRED	5
Capstone	
Course	Credits
THEO 4899 Christian Theology Capstone	2-5
SECTION CREDITS REQUIRED	2
TOTAL CREDITS REQUIRED	55

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CHRISTIAN SCRIPTURES MINOR

30 Credits Total, Including 15 Upper Division

Christian Scriptures Minor Core Requirement	
Course	Credits
UFDN 2000 Christian Scriptures	5
SECTION CREDITS REQUIRED	5
Select Two courses from the following	
Course	Credits
THEO 3110 Torah/Pentateuch: O.T. Gospel (5)	10
THEO 3120 The Former Prophets (5)	
THEO 3130 Word as Witness: Prophets (5)	
THEO 3140 Bibl Wsdm:Encntr God Evrdy Lif (5)	
SECTION CREDITS REQUIRED	10
Select Two courses from the following	
Course	Credits
THEO 3210 Four Gospels and One Jesus (5)	10
THEO 3220 Prophecy, Power & Politics: Acts (5)	
THEO 3230 New Testament Letters (5)	
THEO 3240 Book of Revelation (5)	
SECTION CREDITS REQUIRED	10
Select One course from the following	
Course	Credits
THEO 4000 From Old Testament to the New (5)	5
THEO 4100 Biblical Ethics (5)	
THEO 4290 Biblical Theology (5)	
SECTION CREDITS REQUIRED	5
TOTAL CREDITS REQUIRED	30

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CHRISTIAN SPIRITUALITY MINOR

31 Credits Total, Including 15 Upper Division

Theological and Historical Foundations	
Course	Credits
UFDN 2000 Christian Scriptures (5)	5
UFDN 3001 Christian Scriptures (5)	
UFDN 3100 Christian Theology	5
THEO 3720 Hist of Christian Spirituality	3
SECTION CREDITS REQUIRED	13

Spiritual Practices	
Course	Credits
THEO 2735 Christian Discipleship	3
THEO 3722 Christian Disciplines	6
SECTION CREDITS REQUIRED	9
Christian Spirituality in Relational Context	
Course	Credits
THEO 3733 Small Group Dynamics (3)	6
THEO 3734 Spiritual Friendship (3)	
THEO 4735 Formative Christian Community (3)	
SECTION CREDITS REQUIRED	6
Integration Course	
Course	Credits
THEO 4736 SoulJourn	3
SECTION CREDITS REQUIRED	3
TOTAL CREDITS REQUIRED	31

Additional Requirements:

For information about additional non-credit requirements in the major, refer to the major's general information page in the catalog

CHRISTIAN THEOLOGY COURSE DESCRIPTIONS

PHI 1002 History of Ethics (5) Offerings
A survey of major philosophical ethicists emphasizing the works of Plato, Aquinas, Kant and Mill.
<u>Attributes:</u> <i>Arts and Humanities B</i>
PHI 1004 Survey of Western Philosophy (5) Offerings
This course surveys the main ideas, movements and figures in the history of western philosophy from Socrates to Wittgenstein.
<u>Attributes:</u> <i>Arts and Humanities B</i>
PHI 3651 Contemporary Ethical Theory (5) Offerings
Prerequisite: PHI 1002 is recommended. An in-depth examination of the main philosophical theories of ethics such as cultural relativism, subjectivism, the divine command theory, ethical egoism, consequentialist views, deontological views and virtue ethics. Contemporary versions of these theories will be emphasized. Selected topics in metaethics will also be included, such as moral realism, morality and self-interest, moral knowledge.
<u>Attributes:</u> <i>Upper-Division, Writing "W" Course</i>
PHI 3900 Advanced Philosophy of Religion (5) Offerings
Explores the following questions via the writings of contemporary philosophers: Is there good evidence for the existence of God? Can religious experience ground a rational belief in God? Does the presence of horrible suffering in the world make it probable that God does not exist? Given religious diversity, is it

rational to accept the teachings of any particular religion? Is divine foreknowledge consistent with human freedom? Is God outside of time? Are the doctrines of the Trinity and Incarnation logically consistent? Is the doctrine of hell consistent with divine love and justice?

Attributes: Upper-Division, Writing "W" Course

PSY 4402 Psychology of Religion (3) Offerings

Prerequisite: PSY 1180. Focuses on psychological processes of religious motivation, rituals, recruitment, conversion, and the development and maintenance of religious beliefs. Stages of faith development and the effects of religion on psychological functioning will be explored.

Attributes: Upper-Division Restrictions: Freshman, Sophomore students are excluded.

SOC 4820 Sociology of Religion (5) Offerings

SOC 1110 is a recommended prerequisite for this course. An analysis of religion as a social form including the rise of Christianity; religious social perspectives; conversion and commitment processes; sect and cult; charisma and its routinization; religion and inequality; secularization; and social change.

Attributes: Upper-Division

SOC 4910 Seminar (1-5) Offerings

SOC 1110 is a recommended prerequisite for this course. Provides a seminar experience in emerging and in specialized topics within sociology such as family violence, death and dying, etc. This course is designed primarily for Sociology majors; however, if you are interested in taking the course and are not a sociology major, please contact the instructor to request an override. May be repeated for credit up to 12 credits.

Attributes: Upper-Division Restrictions: Sociology Majors only.

THEO 2710 Foundations for Educ Ministry (5) Offerings

Introduces students to the definition, scope, and nature of the Church's teaching ministry. The task of educational ministry is designing teaching/learning experiences and environments that facilitate Christian formation. Students will examine the theological, historical, philosophical, and psycho-social foundations for educational ministry.

THEO 3110 Torah/Pentateuch: O.T. Gospel (5) Offerings

Prerequisite: UFDN 2000 or 3001. Focuses on the first five books of the Bible known as Torah or Law (Pentateuch). Besides "law," Torah also means "instruction, teaching, story, or narrative." As the first major section of the Bible, Torah is foundational to the rest of the biblical witness. In this course, we will carry out a "close reading" of the text with a view to ascertaining the primary theological emphasis of a narrative that begins with creation and ends with the death of Moses. Reading Torah "as Scripture" informs our approach. Comparing this approach to a primarily "modern" reading will be an important feature of the course.

Attributes: Upper-Division, Writing "W" Course

THEO 3120 The Former Prophets (5) Offerings

Prerequisite: UFDN 2000 or 3001. Consisting of the first half of the second major section of the Old Testament (prophets), the former prophets contain Joshua, Judges, Samuel, and Kings. The stories contained in this extensive segment feature the fortunes and misfortunes of Israel, the people through whom God is attempting to bless the world. An understanding of the former prophets is requisite for understanding the latter prophets (Isaiah, Jeremiah, Ezekiel, and the Twelve), as well as other parts of the Old and New Testaments. In this course, we will carry out a "close reading" of the text with a view to ascertaining the primary theological emphasis of a narrative that begins with Israel's entry into the Promised Land and ends with Israel's removal from that same land. Reading former prophets "as scripture" informs our approach. Comparing this approach to a primarily "modern" reading will be an important feature of the course.

Attributes: Upper-Division, Writing "W" Course

THEO 3130 Word as Witness: Prophets (5) Offerings

Prerequisite: UFDN 2000 or 3001. Who were Israel's prophets? Some say they were liberal reformers who wanted to challenge the political status quo and change the world; others believe they were seers who

predicted the coming of Jesus centuries before he arrived; still others think they were head-in-the-sand mystics without a clue about the world around them. This course will consider these fascinating, extraordinary individuals in their original historical and cultural setting as well as the ways in which their messages still speak into our world today. Of particular interest will be the prophetic emphasis on ethics: the way they proclaim that God is interested in right behavior, and not only right belief. We will also study the ways in which the prophets do - and don't - talk about Jesus Christ.

Attributes: Upper-Division, Writing "W" Course

THEO 3140 Bibl Wsdm:Encntr God Evrdy Lif (5) Offerings

Prerequisite: UFDN 2000 or 3001. Wisdom literature is found within the diverse section of the Christian Old Testament known as the "Writings". In the biblical books of Proverbs, Ecclesiastes, Song of Songs and Job, as well as in the Apocryphal books Sirach and the Wisdom of Solomon, is found a rich distillation of timeless instruction open and available to all people. This course will pay close attention to Wisdom's complex approach to reality. The practical and optimistic perspective of "traditional" wisdom (e.g., Proverbs) will be compared and contrasted with "radical" wisdom's more skeptical and critical perspective (e.g., Ecclesiastes). Wisdom's contribution to our ethical practices will also be highlighted, with the belief that in "becoming a person of wisdom" the serious student must engage not only one's head, but one's entire life.

Attributes: Upper-Division, Writing "W" Course

THEO 3210 Four Gospels and One Jesus (5) Offerings

Prerequisite: UFDN 2000 or 3001. "Will the real Jesus please stand up?" A major revolution in society's and the church's views of Jesus would occur if he were allowed to speak and act on his own terms. So, in this course, students will be engaged in direct study of the gospel accounts in parallel form (alongside one another) and according to their authors' literary methods.

Attributes: Upper-Division

THEO 3220 Prophecy,Power & Politics:Acts (5) Offerings

Prerequisite: UFDN 2000 or 3001. Acts tells the exciting story of the first believers who continued the ministry of the risen Jesus from Jerusalem to Rome. Acts is also one of Scripture's most strategic books, providing the New Testament's introduction to the biblical letters by introducing us to their implied authors and audiences. Our classes will carefully study the Book of Acts with particular attention on how its story of the church's mission fulfills Old Testament promises to Israel, continues the Gospel's story of Jesus, and prepares us to study the New Testament letters in order to fashion a vigorous Christian faith for today's world.

Attributes: Upper-Division

THEO 3230 New Testament Letters (5) Offerings

Prerequisite: UFDN 2000 or 3001. The two collections of New Testament Letters-Pauline (Romans-Philemon) and Catholic (James-Jude)-combine to give the New Testament student a balanced understanding of the Christian faith. These letters are among the most frequently consulted biblical writings in formulating what Christians believe and how they should behave in the world. Our classes will seek to clarify the historical, literary, and theological differences between these two collections in order to demonstrate why both are necessary in forming a more robust understanding of the Christian gospel.

Attributes: Upper-Division, Writing "W" Course

THEO 3240 Book of Revelation (5) Offerings

Prerequisite: UFDN 2000 or 3001. Instead of being the "problem child" of the New Testament and the "happy hunting ground of kooks and weirdos," this book, if read intelligently and sympathetically, can become the Bible's crown jewel. We will also note how many of its themes have had a profound influence on art, music, literature, and modern psychology.

Attributes: Upper-Division, Writing "W" Course

THEO 3301 Early & Medieval Christianity (5) Offerings

A survey of Christianity from its post-apostolic origins to the end of the Middle Ages. Initially, evaluates the formation of orthodoxy, the challenge of heterodoxy, early monasticism, missions to Western Europe; then explores the achievement of the medieval Church through a study of the papacy, scholasticism, and the Crusades.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

THEO 3302 Reformatn & Modrn Christianity (5) Offerings

A survey of European and Latin American Christian history from the 16th century to the present. Attention will be given to the Protestant and Catholic Reformations of the 16th century; to the colonization and evangelization of the Americas in the 16th and following centuries; to the rationalism, orthodoxy, and pietism of the 17th century; to the revivalism of the 18th century; to the historicism and liberalism in the 19th century; and to the emergence of neoorthodoxy, the ecumenical movement, and liberation theologies in the 20th century.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

THEO 3303 Christianity in America (5) Offerings

A survey of the development of American Christian thought and institutions from the 17th century to the present. Representative works by major thinkers of different historical periods and denominational affiliations will be studied. Particular attention will be given to the contemporary religious landscape, that is, to the varieties of American church life today.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

THEO 3331 Women in Christianity (5) Offerings

This course integrates Church history, biblical study, and Christian theology to develop students' understanding of women in Christianity. The class will include a survey of women in the Christian tradition including women of faith in the Bible and in Church history. Students will gain understanding of the philosophical and cultural contexts of biblical references to women and will probe the biblical texts to gain insight into their meaning and their implications for the present. Contributions that selected women have made to the church and the world will be highlighted. Theology, ministry style, community and family dynamics, and challenges faced by women today will be discussed. This course may be taken toward the Women's Studies minor.

Attributes: Upper-Division Restrictions: Freshman students are excluded.

THEO 3401 Exploring Christian Doctrine (5) Offerings

Prerequisite: UFDN 3000 or 3100. In-depth study of selected areas of Christian doctrine. Deepens awareness of the biblical and practical roots of Christian doctrinal reflection as well as of the doctrinal consensus and diversity in the Christian tradition. Specific doctrinal focus will vary by quarter. Doctrinal areas regularly offered include God the Father, Christology, Holy Spirit, Trinity, theological anthropology, church and sacraments, and eschatology. May be repeated for credit 2 times.

Attributes: Upper-Division

THEO 3501 Christian Ethics (5) Offerings

Prerequisite: UFDN 3000 or 3100. Explores the question, "What does it mean to lead a Christian life?" Discusses the practice of those spiritual disciplines and the cultivation of those moral virtues that properly characterize a follower of Jesus. Addresses several moral issues of special concern to the contemporary church, such as gender relations, sexual conduct, and the accumulation of wealth.

Attributes: Upper-Division

THEO 3510 Christianity and Society (5) Offerings

Prerequisite: UFDN 3100. Focuses on the public dimension of Christian life. How ought Christians to engage their culture? How do we insure that such engagement is truly Christian? Addresses several social issues of special concern to the contemporary church, such as race relations, war and peace, and the separation of church and state.

Attributes: Upper-Division

THEO 3601 Multi-Ethnic Ministry (3) Offerings

Studies how the growing multiplicity of cultures affects the fabric of America, provides a theological framework for understanding ethnic differences, prepares students to minister among people different from themselves, and proposes a Christian response to multiculturalism.

Attributes: Upper-Division

THEO 3640 Cross-Cultural Communication (3) Offerings

This course gives students tools for systematic analysis and theological critique of a culture and empathetic encounter with other peoples. The class will explore culturally contextualized community development, health care, agriculture, microbusiness, evangelism, leadership development, music, ethnotheology, and skills for coping with culture stress.

Attributes: *Upper-Division*

THEO 3710 Human Devlp & Christian Faith (5) Offerings

Studies the integration of theology and life span psychology in an attempt to understand the process of becoming and being Christian. Stage theories of development, human religious experience, and metaphorical and narrative theology are addressed.

Attributes: *Upper-Division*

THEO 4000 From Old Testament to the New (5) Offerings

Prerequisite: UFDN 2000 or 3001 and one 3000 level Scripture course. The Greco-Roman period proved vital to the formation of Judaism and the rise of Christianity. Students will study this extraordinary era to identify its pivotal historical events; to explore the innovative ways authors of important literary texts, such as the Dead Sea Scrolls, interpreted Israel's Scriptures; and to evaluate the significance of early Jewish writings, such as those found in the Old Testament Apocrypha, for understanding the New Testament and the emergence of Christianity.

Attributes: *Upper-Division*

THEO 4100 Biblical Ethics (5) Offerings

Prerequisite: UFDN 2000 or 3001. Many of the most compelling and controversial issues facing North American Christians today challenge our longstanding moral convictions as God's people-about abortion, gender, human sexuality, war and peace, use of wealth, homelessness, race relations, friendship. This course seeks to address these issues in two ways. First, to help students learn what the Christian Bible teaches us about Christian living-what core beliefs and resurrection practices provide the biblical foundation for a manner of life that truly pleases God. Second, to help students learn how to use Scripture as a resource in making moral choices and when participating in moral debate as God's people are called on to engage the wider culture.

Attributes: *Upper-Division, Writing "W" Course*

THEO 4290 Biblical Theology (5) Offerings

Prerequisite: UFDN 3100. The Bible is the church's Scripture-a sacred text that communicates a word from the living God for the ongoing people of God. This simple definition provides the course with its essential focus: to train students of Scripture how to interpret faithfully and skillfully the richness of its diverse but integral parts, Old Testament and New Testament, in order to hear a fresh word from God for today. Students of this course will learn the terms of Scripture's authority for believers and will discuss the variety of practical issues staked out whenever the Bible is studied as a witness to the Holy Trinity. Students will study the various attempts, ancient and modern, to integrate the church's theology and its biblical texts in coherent and useful ways.

Attributes: *Upper-Division, Writing "W" Course*

THEO 4401 Representative Theologians (5) Offerings

Prerequisite: UFDN 3000 or 3100. Considers the work of a major Christian theologian or group of theologians who share a distinctive theological approach. Provides models of the "craft" of theological inquiry and probes the distinctive emphases of various Christian traditions and theological movements. Examples of theologians considered include: the Eastern and Western Christian Fathers and Mother, John Wesley, Karl Barth, Dietrich Bonhoeffer, C.S. Lewis, feminist theologians, and contemporary global theologians. May be repeated for credit 2 times.

Attributes: *Upper-Division, Writing "W" Course*

THEO 4602 Latin American Christianity (3) Offerings

This course will deal with contemporary issues facing Latin American Christians, with attention to history, theology, ethnicities, ministry among the poor, and contextualized Christian witness. Hispanics in the Pacific Northwest will also be a focus. Field experience in Spanish-speaking churches in Metro Seattle will

be part of the class. Offered alternate years.

Attributes: *Upper-Division*

THEO 4603 Asian/African Christianity (3) Offerings

This course will deal with contemporary issues facing Asian and African Christians, with attention to history, theology, ethnicities, ministry among the poor, and contextualized Christian witness. Field experience in African and Asian churches in Metro Seattle will be part of the class. Offered alternate years.

Attributes: *Upper-Division*

THEO 4610 World Religions (3) Offerings

Primal religions: Islam, Buddhism, Hinduism, Confucianism, Taoism, and Shinto are explored. Each faith is set in philosophical and cultural context. Applications for effective Christian witness are developed, showing appreciation for the faiths and contrasting with them. Common elements that Christianity shares with each faith are suggested. Apologetic bases for contrasting Christian faith with others are delineated.

Attributes: *Upper-Division*

THEO 4899 Christian Theology Capstone (2-5) Offerings

Prerequisites: UFDN 3000 or 3100. Incorporates the breadth of the theological disciplines and provides integration of themes from UFDN and UCOR common curriculum. Reflection on the integration of faith and learning toward vocational goals will also be included.

Attributes: *Upper-Division* Restrictions: *Senior students only.*

THEO 4900 Independent Study (4) Offerings

Prerequisite: 25 credits in biblical literature, church history, theology, and/or Christian ethics and current enrollment as a Theology major or minor, or approval of the Dean of the School of Theology. May be repeated for credit up to 15 credits.

Attributes: *Upper-Division*

TRE 4899 Capstone:Art & Religious Exprnc (5) Offerings

This capstone course in theatre explores the interdependence of theatre and Christian theology and worship. Its primary focus is on theatre and its inter-relationships with religious experience, but explores some aspects of its related arts of music, visual arts, dance and architecture, especially as they relate to religious experience and Christian worship.

Attributes: *Upper-Division, Writing "W" Course* Restrictions: *Freshman, Sophomore students are excluded.*

UFDN 2000 Christian Scriptures (5) Offerings

Prerequisite: UFDN 1000. This course explores the formative role that Christian Scriptures perform within the community of believers. It seeks to introduce students to the literature and theology of both Old and New Testaments and to provide them with the necessary skills to make responsible use of Scripture as the church's principal authority in nurturing a Christian's faith and witness. Course cannot be taken for upper-division credit. May be repeated for credit 0 times.

Restrictions: *Freshman students are excluded.*

Faculty

ART DEPARTMENT FACULTY

Feldman, Roger. Department Chair of Art / Professor of Art; B.A., University of Washington 1972; Master of Fine Arts, Claremont Graduate University 1977. At SPU since 2000. ([Contact Info](#))

Gutowsky-Zimmerman, Karen. Associate Professor of Art - Visual Communication; B.F.A., University of Illinois Urbana 1984; Master of Fine Arts, University of Washington 2000. At SPU since 2005. ([Contact Info](#))

Kresser, E. Katie. Assistant Professor of Art; B.A., Indiana University Bloomington 1998; Master of Arts, Harvard University 2001; Doctor of Philosophy, Harvard University 2006. At SPU since 2006. ([Contact Info](#))

Lasworth, Laura L. Professor of Art; B.F.A., School Art Inst Chicago 1977; Master of Fine Arts, Calif Institute Arts 1980. At SPU since 2002. ([Contact Info](#))

Mattix, Christen Joy. Assistant Professor of Art; B.F.A., Western Washington University 2001; Master of Fine Arts, San Francisco Art Institute 2005. At SPU since 2006. ([Contact Info](#))

BIOLOGY DEPARTMENT FACULTY

Bester-Meredith, Janet Kay. Assistant Professor of Biology; B.A., Pomona College 1995; Master of Science, University of Wisconsin Madison 1997; Doctor of Philosophy, University of Wisconsin Madison 2001. At SPU since 2003. ([Contact Info](#))

Bishop, Cynthia Rae. Assistant Professor of Biology; B.S., Seattle Pacific University 1980; D.V.M., Washington State University 1984. At SPU since 2000. ([Contact Info](#))

Congdon, Bruce David. Dean, College of Arts & Sciences; B.S., Coll Ozarks 1979; Master of Science, Colorado State University 1981; Doctor of Philosophy, University of Calif Riverside 1985. At SPU since 1985. ([Contact Info](#))

Fitch, Cynthia. Associate Professor of Biology; B.S., McMurry University 1985; Doctor of Philosophy, Iowa State University 1990. At SPU since 1994. ([Contact Info](#))

Long, Eric Shaffer. Assistant Professor of Biology; B.S., Wheaton College IL 1998; Master of Science, University of North Dakota Williston 2001; Doctor of Philosophy, Pennsylvania State University University Park 2005. At SPU since 2006. ([Contact Info](#))

Moore, Kenneth. Professor of Biology; B.A., Evangel University 1960; Master of Arts, University of Missouri Kansas City 1963; Doctor of Philosophy, University of New Mexico Albuquerque 1975. At SPU since 1975. ([Contact Info](#))

Nelson, Timothy Alan. Professor of Biology; Director of Blakely Island Field Station; B.S., Seattle Pacific University 1987; Doctor of Philosophy, University of Washington 1995. At SPU since 1995. ([Contact Info](#))

Ridgway, Richard L. Department Chair of Biology / Associate Professor of Biology; B.S., Seattle Pacific University 1977; Master of Science, Washington State University 1983; Doctor of Philosophy, Washington State University 1988. At SPU since 1991. ([Contact Info](#))

Wood, Derek William. Assistant Professor of Biology; B.S., Washington State University 1991; Doctor of Philosophy, University of Arizona 1997. At SPU since 2004. ([Contact Info](#))

BUSINESS & ECONOMICS DEPARTMENT FACULTY

Baker, Bruce D. Instructor of Business Ethics; B.S., Calif Institute Tech 1978; Master of Business Administration, Stanford University 1981; M.Div., Fuller Theological Seminary 2001. At SPU since 2006. ([Contact Info](#))

Daniels, Denise. Professor of Management; Joseph C. Hope Professor of Leadership & Ethics; B.A., Wheaton College IL 1991; Doctor of Philosophy, University of Washington 1997. At SPU since 1996. ([Contact Info](#))

Deming, Jonathan Charles. Associate Professor of Economics; B.A., Whitman College 1971; Master of Arts, University of Oregon 1974; Doctor of Philosophy, University of Oregon 1979. At SPU since 1977. ([Contact Info](#))

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(Including library faculty and emeriti faculty. For a complete list of graduate faculty, please see the Graduate Catalog or the schools' or departments' individual Web sites.)

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Bryce Nelson, University Librarian; B.A., University of Washington, 1968; M.A.T., Northwestern University, 1969; Ph.D., University of Washington, 1981. At SPU since 2005.

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Jenifer Sigafos Phelan, Library Specialist for Education; B.A., University of Massachusetts, 1992; M.L.S., University at Albany, State University of New York, 1998. At SPU since 1999.

Emeriti

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Ed Bauman, Electrical Engineering; B.S.E.E., University of Minnesota, 1955; M.S., Aeronautics and Astronautics, Massachusetts Institute of Technology, 1960; Ph.D., University of California-Los Angeles, 1966. At SPU 1985–2000. Emeritus since 2000.

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* Executive Committee.

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Roger W. Haskins Jr.	1999–	San Dimas, Calif.
Emeriti Trustees	Years of Service	From
V.O. McDole	1972–95	Bellevue, Wash.
Leonard C. Root	1968–92	Seattle, Wash.

Administration

PHILIP W. EATON, PH.D.

[President](#)

B.A., Whitworth College, 1965; M.A., Arizona State University, 1966; Ph.D., 1971. At SPU since 1993.

H. Mark Abbott, D.Min.

University Pastor

A.B., Indiana Wesleyan, 1965; M.Div., Asbury Theological Seminary, 1968; M.A., Canisius College, 1975; D.Min., Pittsburgh Theological Seminary, 1985. At [First Free Methodist Church](#) since 1982.

W. Tali Hairston, M.A.

Special Assistant to the President, Director, [The John Perkins Center for Reconciliation, Leadership Training, and Community Development](#)

B.A., University of Washington, 1994; M.A., Fuller Theological Seminary, 2007. At SPU since 2001.

Academic Affairs

LES L. STEELE, PH.D.

Vice President for [Academic Affairs](#), Professor of Christian Formation

B.A., Azusa Pacific University, 1975; M.A., 1976; Ph.D., Claremont Graduate School, 1984. At SPU since 1985.

Bruce D. Congdon, Ph.D.

Dean of the [College of Arts and Sciences](#), Professor of Biology

B.S., College of the Ozarks, 1979; M.S., Colorado State University, 1981; Ph.D., University of California-Riverside, 1985. At SPU since 1985.

Jeffrey C. Jordan, Ed.D.

Associate Vice President for Academic Affairs, Dean of [Student Life](#)

B.A., Houghton College, 1983; M.S., State University of New York, College at Buffalo, 1985; Ed.D., Seattle University, 2004. At SPU since 2004.

Lucille M. Kelley, Ph.D.

Dean of the [School of Health Sciences](#), Associate Professor of Nursing

B.S.N., University of Connecticut, 1969; M.N., University of Washington, 1973; Ph.D., 1990. At SPU since 1985.

Cynthia J. Price, Ph.D.

Associate Vice President for [Academic Affairs](#)/Curriculum and Assessment, Professor of Sociology

B.A., Westmont College, 1983; M.A., Washington State University, 1986; Ph.D., 1990. At SPU since 1993.

Miche'el D. Roe, Ph.D.

Dean of the [School of Psychology, Family, and Community](#), Professor of Psychology

B.A., Revelle College, University of California, 1973; M.Ed., University of Washington, 1975; Ph.D., University of Washington, 1981. At SPU since 1988.

William J. Rowley, Ed.D.

Dean of the [School of Education](#), Associate Professor of School Counseling

B.A., Pasadena College, 1962; M.A., San Jose State College, 1967; Ed.D., University of Northern Colorado, 1973. At SPU since 1996.

Jeffrey B. Van Duzer, J.D.

Dean of the [School of Business and Economics](#), Associate Professor of Law and Ethics

B.A., University of California-Berkeley, 1976; J.D., Yale Law School, 1979. At SPU since 2001.

Student Life

Dale Anderson, M.Ed.

Director of [Student Programs](#)

B.A., Seattle Pacific University, 1987; M.Ed., Seattle University, 2005. At SPU since 2005.

P. Jean Brown, B.S.N. R.N.

Nurse Manager, [Health Services](#)

B.S.N., Seattle Pacific University, 1974. At SPU since 1982.

Kimberlee D. Campbell, M.Ed.

Director of [Residence Life](#), Chief Judicial Officer
B.A., Washington State University, 1985; M.Ed., Washington State University,
1990. At SPU since 1995.

Steven A. Maybell, Ph.D.

Director of [Student Counseling Center](#)
B.A., California State University, Long Beach, 1972; M.S.W., San Diego State
University, 1976; Ph.D.; LaJolla University, 1980. At SPU since 2005.

Jacquelyn Smith-Bates, Ed.D.

Director of [Career Development Center](#)
B.A., Azusa Pacific College, 1978; M.A., Azusa Pacific University, 1983. Ed.D.;
Seattle Pacific University 2003. At SPU since 1986.

Linda Wagner, M.Ed.

Director for the [Center for Learning](#)
B.A., Central Washington University, 1970; M.Ed., Seattle Pacific University,
1992. At SPU since 1982.

University Ministries

Stephen Michael Newby, Ph.D.

Director of [University Ministries](#), Center for Worship; Assistant Professor of
Music;
B.A., Madonna University 1984; M.M., University of Mass Amherst 1987;
Doctor of Musical Arts, University of Michigan Ann Arbor 1994. At SPU since
2005.

Athletics

Thomas W. Box, M.B.A.

Director of [Athletics](#)
B.A., Biola University, 1974; M.B.A., Seattle Pacific University, 1993. At SPU
1980–1984 and since 1989.

Jeff T. Hironaka, M.S.

Head Men's Basketball Coach
B.S., Eastern Oregon State University, 1980; M.S., Idaho State University,
1990. At SPU since 1991.

Doris E. Heritage, M.Ed.

Head Cross Country Coach, Professor Emerita of Physical Education
B.S., Seattle Pacific College, 1964; M.Ed., 1975. At SPU since 1969.

Robert C. Huber, M.A.

Associate Athletic Director
B.A., Whitworth College, 1962; M.A., California State University-Long Beach,
1965. At SPU since 1976.

Keith P. Jefferson, B.A.

Head Crew Coach
B.A., Seattle Pacific University, 1983. At SPU 1987–1989 and since 1990.

Chris Johnson, B.A.

Head Volleyball Coach
B.A., Westmont College, 2002. At SPU since 2004.

Howard E. Kellogg, B.A.

Director of Intramural and Club Sports; Facilities Manager
B.A., Whitworth College, 1972. At SPU since 1981.

Karl Lerum, M.A.

Head Track and Field Coach
B.A., Pacific Lutheran University, 1998; M.A., Trinity College, 2002. At SPU
2000, 2003, and since 2005.

C. Clifford McCrath, M.Div.

Head Men's Soccer Coach
B.A., Wheaton College, 1958; M.Div., Gordon Divinity School, 1964. At SPU
since 1970.

Frank R. MacDonald, B.A.

Sports Information Director, Assistant Athletic Director
B.A. University of Washington, 1982. At SPU since 1984.

Erin E. O'Connell, M.S.

Assistant Athletic Director for Compliance and Eligibility Senior Women's Administrator
B.A., University of Washington, 1996; M.S., Seattle Pacific University, 2001. At SPU since 2003.

Chris Johnson, B.A.

Head Volleyball Coach
B.A., Westmont College, 2002. At SPU since 2004.

Chuck T. Sekyra, B.A.

Head Women's Soccer Coach
B.A., Seattle Pacific University, 1989. At SPU 1998–2000 and since 2003.

Laurel J. Tindall, B.A.

Women's Gymnastic Coach, Director of Falcon Gymnastics Center
B.A., Seattle Pacific College, 1975. At SPU since 1975.

Julie van Beek, M.Ed.

Head Women's Basketball Coach
B.A., Northwest Nazarene College, 1989; M.Ed., Southern Nazarene College, 1994. At SPU since 2005.

Administration and University Relations

MARJORIE R. JOHNSON, M.A.

Vice President for Administration and University Relations
B.A., Nyack College, 1973; M.A., New School for Social Research, 1977. At SPU since 1981.

Ruth L. Adams, M.S.

University Registrar
B.A., Warner Pacific College, 1984; M.S., Seattle Pacific University, 1991. At SPU since 1988.

Jerald L. Finch, M.B.A.

Director of Institutional Research
B.S., Southern Illinois University, 1971; M.B.A., Eastern Washington University, 1978. At SPU since 1988.

John L. Glancy, Ed.D.

Director of Graduate Admissions and Marketing
B.A., Seattle Pacific College, 1970; M.C., University of Washington, 1979. EdD., Seattle Pacific University, 2005. At SPU 1970–1972, 1973–1976, and since 1980.

Jennifer J. Gilnett, M.A.

Director of University Communications, Editor *Response*
B.A., Seattle Pacific University, 1981; M.A., University of Washington, 1987. At SPU 1981–1985 and since 1987.

Jordan L. Grant, M.P.A.

Director of Student Financial Services
B.A., University of Oregon, 1993; M.P.A., Seattle University, 2004. At SPU since 2004.

Jobe Nice, B.A.

Interim Director of Undergraduate Admissions
B.A., Gordon College, 1997; MBA anticipated 2008, Seattle Pacific University; At SPU since 2002.

Janet L. Ward, M.P.A.

Associate Vice President for Information and Data Management
B.A., Washington State University, 1977; M.P.A., The Evergreen State College, 1986. At SPU since 1988.

Business and Planning

DONALD W. MORTENSON, M.B.A., CPA

Vice President for Business and Planning
B.S., Seattle Pacific College, 1971; CPA, State of Washington, 1973; M.B.A., Seattle Pacific University, 1988. At SPU since 1980.

David B. Church, B.S.

Assistant Vice President for Facility Management
B.S., Seattle Pacific University, 1981. At SPU since 1981.

Craig G. Kispert, M.B.A., CPA

Associate Vice President for Business & Finance
B.A., Seattle Pacific University, 1988; M.B.A., Seattle University, 1991; CPA,
State of Washington, 1994. At SPU since 1993.

Gordon A. Nygard, B.A.

Vice President and Treasurer, Seattle Pacific Foundation and Assistant Vice
President for Endowment and Gift Planning
B.A., Seattle Pacific College, 1973. At SPU since 1988.

W. Mark Reid, A.A.

Director of Safety and Security
A.A., Judson Baptist College, 1978. At SPU since 1986.

David W. Tindall, M.S.

Assistant Vice President for Technology Services
B.A., Seattle Pacific College, 1975; M.S., Seattle Pacific University, 1989. At
SPU since 1975.

Steve M. Whitehouse, M.B.A.

Controller
B.A., Bethel College, 1985. M.B.A., University of St. Thomas, 2002. At SPU
since 2002.

University Advancement

ROBERT D. MCINTOSH

Vice President for University Advancement
Seattle Pacific University 1960-1963, SPU Trustee 1983–96. At SPU since
1996.

Dean O. Carrell, B.A.

Director of Annual Giving
B.A., Seattle Pacific University, 1987. At SPU since 1999.

Kenneth E. Cornell Jr., M.B.A.

Assistant Vice President for External Relations
B.A., Seattle Pacific University, 1985; M.B.A., Seattle Pacific University, 1994. At
SPU since 1990.

Mark C. Miles, M.B.A.

Director of Advancement Services
B.S., Biola University, 1981; M.B.A., California State University- Long Beach,
1989. At SPU since 2000.

Gordon A. Nygard, B.A.

Executive Director and Treasurer, Seattle Pacific Foundation and Assistant Vice
President for Endowment and Planned Giving.
B.A., Seattle Pacific College, 1973. At SPU since 1988.

Douglas E. Taylor, B.A.

Director of Alumni and Parent Relations
B.A., Seattle Pacific University, 1987. At SPU since 1996.

John H. West

Executive Director, Corporate, Foundation and Major Gifts
University of Washington, 1963–1966. Marketing, DNG. At SPU since 2001.

Emeriti Administration

David C. Le Shana, Ph.D.

President
A.B., Taylor University, 1953; M.A., Ball State University, 1959; Ph.D., University
of Southern California, 1967; L.H.D., George Fox College, 1982. Emeritus since
1991.

Curtis A. Martin, Ph.D.

President; Professor of Education
B.A.Ed., Seattle Pacific College, 1955; B.D., Bethel Theological Seminary, 1958;
M.A., University of Washington, 1963; Ph.D., 1968. At SPU 1964–70, 1972–94.
Emeritus since 1994.

David L. McKenna, Ph.D.

President
B.A., Western Michigan University, 1951; M.Div., Asbury Theological Seminary,
1953; M.A., University of Michigan, 1955; Ph.D., University of Michigan, 1958. At
SPU 1968–82. Emeritus since 1982.

Alumni Association

The Seattle Pacific University Alumni Association is an organization of former students and graduates. The Young Alumni Council works in concert with the Alumni Board. Four times a year, Seattle Pacific University publishes and sends free to alumni the magazine, Response. All alumni are urged to keep the Association informed of changes in address and employment, births, marriages, and any other information of interest to their fellow members. The Alumni Center is located at 316 West Nickerson. Area meetings are held throughout the nation under the leadership of area alumni representatives. There are also many local events, including Casey Alumni Weekend, Homecoming, and reunions. The Association assists the University through referral of prospective students and campus volunteer services. The alumni staff is employed by the University for the coordination of the association's activities.

Alumni Board

J. Denton Palmer '55	President
Mark Cederborg '73	President Elect
Frank Cranston '56	Vice President
Leslie Wisdom '93	Secretary

Representative to the Board of Trustees

Del Wisdom '63
Representatives at Large
Steve Gough '70
Kevin Gunhus '88
Mia Hays '91
Ken Knautz '62
Kitty Magee '53

Appointive Members

Bruce Clement '81
Doug Deardorf '78
Andrew Sullivan '02
Jennifer Gilnett '81
Larry Hanson '91
Sharleen Larson '80
Vickie Nelson '75

Staff Representatives

Doug Taylor '87, Director
Kathy Hitchcock, Associate Director
Laila Sharpe '73, Program and Events Manager
Katie Stalley '05, Administrative Assistant

University Calendar 2007–2008

Autumn Quarter 2007

Labor Day (Holiday)	Monday	September 3
Autumn Registration for Non-Admitted Students Begins	Tuesday	September 4
Class Instruction Begins	Monday	September 24
Waitlist Ends	Tuesday	September 25
Last Day to Register or Add Courses*, to Register Without Late Fee, or to Apply for Audit	Friday	September 28
Autumn Quarter 100% tuition refund deadline	Friday	September 28
Last Day to Apply for Pass/No Credit, Independent Study, Internships, and Individual Instruction	Friday	October 5
Autumn Quarter 75% tuition refund deadline	Friday	October 5
Autumn Quarter 50% tuition refund deadline	Friday	October 12
Day of Common Learning	Wednesday	October 24
Autumn Quarter 25% tuition refund deadline	Friday	October 26
Last Day to Withdraw From Courses	Friday	November 2
Veterans Day (Holiday) Classes do not meet	Monday	November 12
Winter Registration for Admitted Students Currently in Attendance	Tue-Fri	November 13-16
Winter Registration for Graduate or New Admits Begins	Monday	November 19
Thanksgiving (Holiday) Classes do not meet	Thu–Fri	November 22-23
Winter Registration for Non-Admitted Students Begins	Monday	December 3
Final Examinations or Last Class for All Evening Classes	Mon–Thu	December 3-6
Last Class for Day Classes	Tuesday	December 4
Final Examination for All Day Classes	Wed–Fri	December 5-7
Grades Due	Monday	December 17

Winter Quarter 2008

Class Instruction Begins	Thursday	January 3
Waitlist Ends	Friday	January 4
Last Day to Register or Add Courses*, to Register Without Late Fee, or to Apply for Audit	Wednesday	January 9
Winter Quarter 100% tuition refund deadline	Wednesday	January 9
Last Day to Apply for Pass/No Credit, Independent Study, Internships, and Individual Instruction	Wednesday	January 16
Winter Quarter 75% tuition refund deadline	Wednesday	January 16
Martin Luther King Jr. Day (Holiday) Evening classes meet	Monday	January 21
Winter Quarter 50% tuition refund deadline	Wednesday	January 23
Winter Quarter 25% tuition refund deadline	Wednesday	February 6
Last Day to Withdraw From Courses	Friday	February 8
Spring Registration for Admitted Students Currently in Attendance	Mon-Thu	February 11-14
Presidents Day (Holiday) Evening classes meet	Monday	February 18
Spring Registration for Graduate or New Admits Begins	Monday	February 25
Spring Registration for Non-Admitted Students Begins	Monday	March 10
Last Class for Day Classes	Tuesday	March 11
Final Examinations or Last Class for All Evening Classes	Mon–Fri	March 10-13
Final Examination for All Day Classes	Wed–Fri	March 12-14
Spring Vacation		March 15–25
Good Friday (Half-Day Holiday)	Friday	March 21
Grades Due	Monday	March 24

Spring Quarter 2008

Class Instruction Begins	Wednesday	March 26
Waitlist Ends	Thursday	March 27
Last Day to Register or Add Courses*, to Register Without Late Fee or to Apply for Audit	Tuesday	April 1
Spring Quarter 100% tuition refund deadline	Tuesday	April 1
Last Day to Apply for Pass/No Credit, Independent Study, Internships and Individual Instruction.	Tuesday	April 8
Spring Quarter 75% tuition refund deadline	Tuesday	April 8
Summer Registration Begins	Tuesday	April 15
Spring Quarter 50% tuition refund deadline	Wednesday	April 16

Spring Quarter 25% tuition refund deadline	Wednesday	April 30
Last Day to Withdraw From Courses	Friday	May 2
Autumn Registration for Admitted Students Currently in Attendance	Mon-Thu	May 12-15
Autumn Registration for New Admits Begins	Saturday	May 17
Autumn Registration for Graduate Students Begins	Monday	May 19
Memorial Day (Holiday) Evening classes meet	Monday	May 26
Last Class for Day Classes	Friday	May 30
Student Reading/Faculty In-Service Day	Monday	June 2
Autumn Registration for Graduate Non-Admitted Students	Monday	June 2
Final Examinations or Last Class for All Evening Classes	Mon-Thu	June 2-5
Final Examination for All Day Classes	Tue-Thu	June 3-5
Ivy Cutting	Friday	June 6
Commencement	Saturday	June 7
Grades Due	Monday	June 16

Summer Sessions 2008

First Four-Week Session Begins	Monday	June 9
First Four-Week Graduate Session Begins	Monday	June 23
Independence Day (Holiday) Classes do not meet	Friday	July 4
Second Four-Week Session Begins	Monday	July 7
Last day to register for independent study, internship, individual instruction and dissertation	Monday	July 7
Second Four-Week Graduate Session Begins	Monday	July 21
Grades Due	Friday	September 12

Evening classes include all classes that begin after 4:30 p.m. The last day of class is the week prior to the scheduled final.

**Late fees will be charged if registration occurs after the fifth day of the instructional quarter. Students must process a registration petition to be considered for later registration with supporting statements from each instructor.*

***Monday evening classes will meet on Martin Luther King Jr. Day, Presidents Day, and Memorial Day in order to have the required class sessions.*

Seattle Pacific: A Premier Christian University

Seattle Pacific University's mission is to engage the culture and change the world with the gospel of Jesus Christ. As a premier Christian university, we seek to do this by graduating people of competence and character, by pursuing the kind of scholarship that brings light and understanding into the world, and by modeling a grace-filled community.

What does this mean to you? It means that as a student, you'll be challenged to think, to grow, and to act. You'll be taught by world-class scholars who approach their academic disciplines from a Christian perspective. You'll also participate with your professors and classmates in active learning and engagement in Seattle and around the world.

Seattle Pacific seeks to create a community that will provide you with both freedom and support as you grapple with difficult questions. Our goal is to help you emerge with knowledge and skill, and with an even deeper Christian conviction and desire for Christian leadership and service.

We work hard to maintain and strengthen the Christian academic community at SPU. One way in which we do this is by selecting faculty and staff members who are unapologetically Christian, share the same essentials of faith, and exhibit a vital concern for the education and faith development of students.

Another way is through the Christian Faith Exploration program, which includes worship, faculty-led small groups, forums on current issues, and urban and worldwide ministry. All full-time undergraduate students must meet Seattle Pacific's Christian Faith Exploration requirement.

Students are also asked to adhere to community standards of behavior. They are expected to refrain from academic cheating; sexual immorality; use of tobacco, alcohol, or illegal drugs; and participation in acts of racial or sexual harassment. These are not rules for rules' sake, but are intended to show respect for SPU's Christian tradition and for other community members.

Seattle Pacific University's Christian identity is central to our mission as a university. We believe that without faith, knowledge is incomplete.

Seattle Pacific University Nondiscrimination Policy

It is the policy of Seattle Pacific University not to discriminate on the basis of race, color, national origin, sex, age, or disability in its programs or activities, as required by applicable laws and regulations.

As a religious educational institution operating under the auspices of the Free Methodist Church of North America, Seattle Pacific University is permitted and reserves the right to prefer employees or prospective employees on the basis of religion.

If you have any questions regarding this policy, please contact either of the following persons:

Associate Vice President for Academic Affairs/Dean of Student Life
Campus Location: Room 209, [Student Union Building](#)
Seattle Pacific University 3307 Third Avenue West, Suite 212
Seattle, Washington 98119-1950
206-281-2481

Executive Director of [Human Resources](#)
Campus Location: 330 West Nickerson Street
Seattle Pacific University
3307 Third Avenue West, Suite 302
Seattle, Washington 98119-1957
206-281-2809

If you believe you may have been discriminated against in violation of this policy, please immediately contact one of the individuals designated above. Copies of the [Grievance Procedures](#) may be obtained from the above designated individuals; the [Office of Student Life](#); or the [Office of Human Resources](#).

This publication is certified as true and correct in content and policy as of the date of publication. The University reserves the right, however, to make changes of any nature in programs, calendar, academic policy, or academic schedules whenever these are deemed necessary or desirable, including changes in course content, class rescheduling, and the canceling of scheduled classes or other academic activities.