

2005

Seattle Pacific University Catalog 2005-2006

Seattle Pacific University

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Engaging the culture, changing the world.

seattle pacific
university



2005-2006

Undergraduate Catalog



Application Enclosed

Reference Guide for SPU

General Information	(206) 281-2000
General University Fax	281-2500
Academic Programs (Undergraduate)	
College of Arts and Sciences	281-2165
School of Business and Economics	281-2970
Center for Applied Learning	281-2942
School of Education	281-2214
School of Health Sciences	281-2233
R.N. to B.S.	281-2027
School of Psychology, Family and Community	281-2918
School of Theology	281-2342
Admissions	
Undergraduate Application Process	281-2021
Toll-Free Number	(800) 366-3344
Fax	281-2544
Email	admissions@spu.edu
Campus Ministries	
281-2966	
Computer and Information Systems	
Computer HelpDesk	281-2982
Email	help@spu.edu
Online Help Resources	www.spu.edu/help
Health Services	
281-2231	
Library	
General	281-2228
Circulation Desk	281-2229
Film/Video Rentals	281-2788
Interlibrary Loan	281-2154
Reference	281-2419
Office of Academic Affairs	
281-2125	
Safety and Security	
Emergency — 24 Hours	281-2911
Parking	281-2821
Student Academic Services	
Graduation/Transfer Student Services	281-2021
Registration	281-2031
Transcripts	281-2034
Fax	281-2669
Email	sasinfo@spu.edu
Student Counseling Center	
281-2657	
Student Financial Services	
Financial Aid	281-2061
Payment Information	281-2061
Student Account Statements	281-2061
Student Employment	281-2047
Toll-Free Number	(800) 737-8826
Fax	281-2835
Email	sfs-info@spu.edu

Student Government (ASSP)	281-2126
Student Life	
Career Development Center	281-2485
Center for Learning	281-2475
Dean of Students	281-2481
Disabled Student Services	281-2272
InterCultural Affairs	281-2598
International Affairs	281-2247
Residence Life	281-2043
Student Programs	281-2247
University Services	
Bookstore	281-2137
Campus Housing	281-2188
Email	housing@spu.edu
Campus ID Card	281-2658
Casey Conference Center	(425) 775-0775
Conference Services	281-2187
Mailing and Copying Services	
Copying Center	281-2662
Mailing Services	281-2663
Meal Plan	281-2658
The Graduate Center	
Graduate Applications and Information	281-2091
Toll-Free Number	(800) 601-0603
Email	gradadmissions@spu.edu
College of Arts and Sciences	
Creative Writing (M.F.A.)	
Sport and Exercise Leadership (M.A.)	
Teaching English to Speakers of Other Languages- TESOL (M.A.)	
School of Business and Economics	
Business Administration (M.B.A.)	
Information Systems Management (I.S.M.)	
School of Health Sciences	
Nursing (M.S.N.)	
Nurse Educator Preparation Certificate (Post-Baccalaureate)	
Nurse Practitioner Certification (Post-Master's)	
School of Psychology, Family, and Community	
Marriage and Family Therapy (M.S.)	
Medical Family Therapy Certification (Post-Master's)	
Clinical Psychology (Ph.D.)	
Organizational Psychology (M.A. and Ph.D.)	
School of Education	
Curriculum and Instruction (M.Ed.)	
Educational Leadership (M.Ed.)	
School Counseling (M.Ed.)	
Master of Arts in Teaching (M.A.T.)	
Doctor of Education (Ed.D.)	

www.spu.edu
SPU events calendar is located on the SPU home page.

Seattle Pacific University is operated under the auspices of the Free Methodist Church as a service to people, regardless of denomination, who desire a university education that is academically sound and distinctly Christian. Founded in 1891.

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How to Use This Catalog

We hope the information contained in this *Catalog* will answer most of your questions about Seattle Pacific University, and we offer these hints to help you quickly find what you want:

1. Look at the Table of Contents to find general sections.
2. Consult the Index in the back of the *Catalog* for specific categories of information such as entrance requirements, fees, computer science major, etc.
3. Course descriptions are listed within each school's department or program section of the *Catalog* (i.e., business courses in the School of Business and Economics, English courses in the Department of English, etc.).
4. Undergraduate admissions application materials are located in the back of the *Catalog*.

If you still need assistance, we'd be happy to answer any further questions you may have about Seattle Pacific University. Call locally at (206) 281-2021 or toll free at (800) 366-3344.

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 nearly 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:

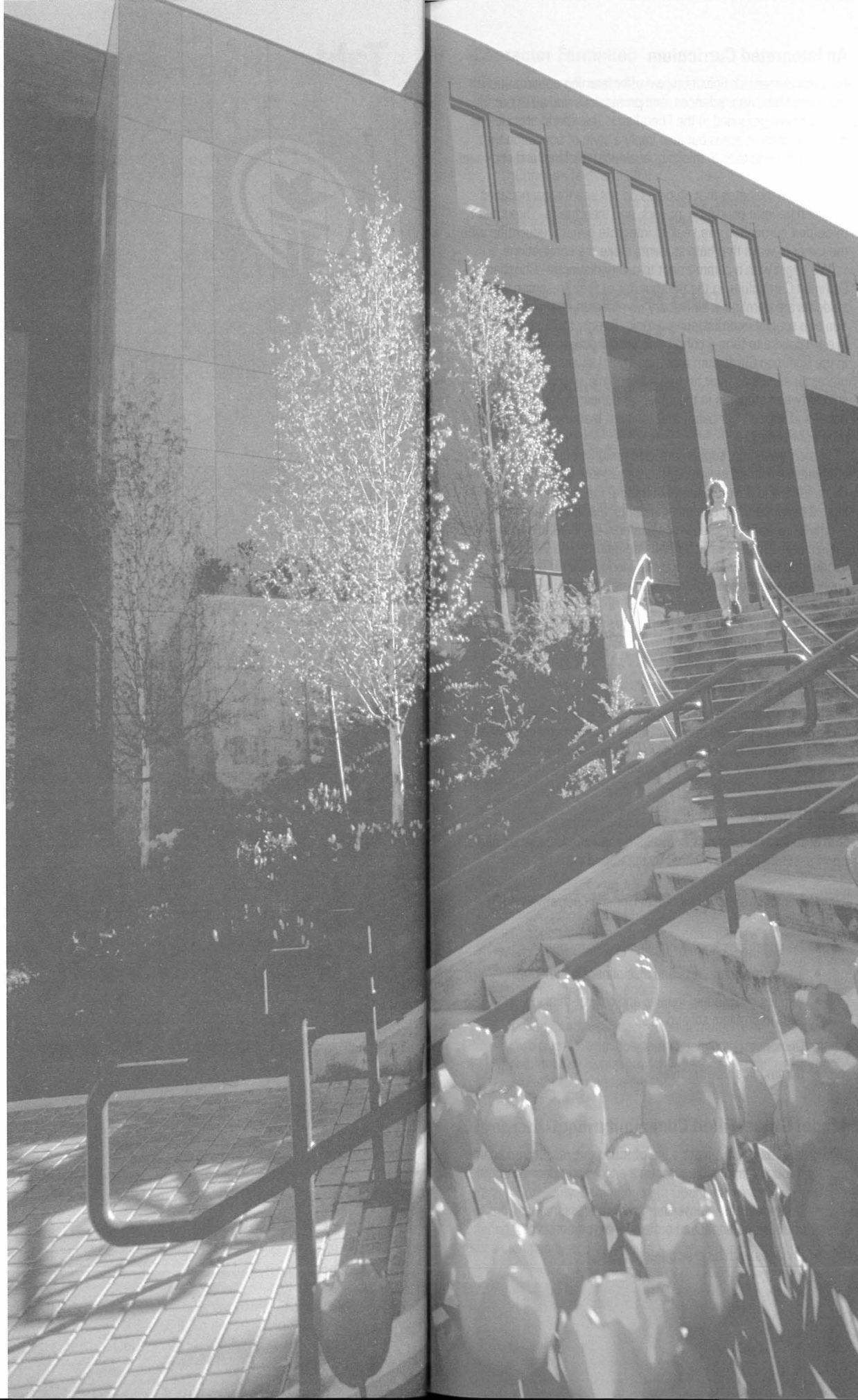
We seek to graduate people of competence and character. At SPU, each student is profoundly important. We focus our curriculum and resources on shaping graduates who will be effective and positive change agents in the world. This means that we work to prepare individuals who understand their own giftedness, 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.

"The Seattle Pacific experience is all about making a difference. Our primary goal is for our students to become graduates who will change the world. When Jesus Christ lights the way, what an exciting venture this can be!"

Philip W. Eaton
Seattle Pacific President



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' and Nicene Creeds. 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 gospel — 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 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.

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.

Our Christian Community

Christian Faith Exploration

Vision

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 involves the integration of academic programs, residential and campus life, personal and corporate reflection, co-curricular activities, and community service. Programs seek to 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.

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 Honors Convocation in the spring, these events provide an opportunity to celebrate together as a community and to reflect together around common themes and issues.

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 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.
- **Morning Prayer and Communion.** An early morning liturgical service of prayer and Holy Communion.

In addition, semi-silent, guided Reflection Retreats are occasionally offered to students and staff. These retreats provide the opportunity for personal reflection and worship, or workshops on issues of faith, personhood, and community.

Faith/Learning Forums

In addition to regular discussions incorporated into classes, faculty and students frequently lead weekly Faith/Learning Forums that address various contemporary topics from the perspective of the Christian faith.

Small-Group Fellowship and Discussion Groups

One of the distinct resources provided by Seattle Pacific University is the opportunity to meet in small groups of students, staff, and faculty for discussion, fellowship, and discipleship. These take many forms:

- **Cadres.** Faculty and staff lead more than 30 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 a prayer or Bible study group on each floor of the residence halls.
- **Sharpen.** The Sharpen ministry facilitates discipleship group and mentoring relationships for off-campus 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 one of SPU's 13 different student-led Urban Involvement teams through which students tutor children, staff homeless shelters, visit with people in nursing homes, or provide recreational activities for people with physical and developmental disabilities
- Leadership in a church group
- Leadership in a parachurch ministry
- Involvement in Urban Plunge, a simulated experience of homelessness
- Participation in the Refugee Project, a World Relief program exploring the refugee experience

- Service through Latreia, a referral resource that provides immediate care for individuals and organizations requiring special assistance
- Participation in Service Learning Projects organized as part of a student's courses or academic program

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 in inner cities and in over a dozen countries, typically including locations such as Honduras, Mexico, Brazil, South Africa, Ireland, Jackson, Nampa, Los Angeles, Malawi, China, the Dominican Republic, Ecuador, and Russia. Prior to departure, students receive training (summer team members participate in a Spring Quarter course), and upon return participate in extensive debriefing and reflection.

SPRINT Beyond offers individual service-learning opportunities for students who desire an experience focused around their discipline. Usually a SPRINT Beyond experience is set up with the SPRINT advisor and a faculty advisor. The student is responsible to propose the location, the host, and the type of work. For more information, contact the SPRINT advisor at (206) 281-2258.

SPRINT for Credit is a program that moves students out of the classroom and into the real world. By joining a SPRINT for Credit team, students can earn academic credit in a cross-cultural context. SPRINT for Credit is usually organized collaboratively by a faculty member who is passionate about teaching in a service-learning setting in conjunction with SPRINT. The faculty member works with the SPRINT coordinator and the SPRINT advisor to arrange a trip with specific educational and ministry goals. Students who are accepted on a SPRINT for Credit team participate in SPRINT training and debriefing meetings, and they register for credit through SPU's registration office. In the past, SPRINT has sent trips with many different foci, including an engineering trip to Dominican Republic, a global and urban ministry trip to Nicaragua, a sociology trip to Brazil, and nursing trips to Honduras and Costa Rica.

These programs provide all students with abundant opportunities to grow in their understanding of the Christian faith and its implications for our life and world.

Christian Faith Exploration Requirement

To promote the University's commitment that all students will explore the relationship of the Christian faith to academic disciplines, life and society, and to provide opportunities for corporate worship and growth in discipleship and leadership, the University maintains a mandatory Christian Faith Exploration (CFE) requirement. Though students are not required to worship or profess a particular faith, all students do select programs to further their own understanding and growth.

Each quarter, students will design their own CFE plan outlining their intended involvement. A student's signature on the application for admission signifies the acceptance of these educational expectations and the agreement to fulfill this requirement. Specifically:

- All undergraduate students enrolled in 12 credits or more are required to participate in 15 hours per quarter of co-curricular activities exploring the meaning of the Christian faith and its implications for life, academic disciplines, and society.
- Ten of the 15 hours per quarter will be spent in campus-based faith exploration activities such as chapel, group, and other worship services; and/or nonworship-based programs such as faculty- and staff-led discussion groups (cadres) and campus forums on contemporary issues. The 10 CFE campus-based events each quarter must include two community events.
- Five hours per quarter will be spent in community service.

- Students may petition for a reduction in the requirement due to special circumstances.
- Participation is on an honor basis, and students will monitor their own attendance. Students will record their participation electronically and submit a quarterly CFE Reflection Report.
- Students who do not submit their CFE Reflection Report will have a hold placed on their registration.

Summary of the Requirement

CFE Campus-Based Events. For a list of the specific events that fulfill the 10 CFE campus-based requirements, go to www.spu.edu/depts/ocm/campusevents.asp.

Community Service. Full-time undergraduate students are required to participate in five hours of community service per quarter.

Detailed descriptions of all aspects of the requirement and of all program opportunities are available through the Office of Campus Ministries. The University reserves the right to alter these requirements and programs as deemed appropriate.

Our Location

Urban Center

Seattle Pacific University's location in a thriving, world-class city is a tremendous asset for students. Seattle is a major trade center, popular tourist destination, and gateway to Canada and the Pacific Rim. The city is surrounded, by water and mountains, making seagulls, bridges, ferryboats, and snow-capped peaks part of everyday life.

The region is also home to corporate giants such as Microsoft, Boeing, and Nintendo, as well as home to the headquarters of World Relief and WorldVision, and site of the renowned Fred Hutchinson Cancer Research Center. A strong multicultural flavor is the result of business ties and exchanges with nations including Japan, Korea, and Russia.

Known as an "arts" town, Seattle has the highest live-theatre attendance per capita of any major city. It is also the only Northwest city to field teams in all three major league sports: the Seattle Sonics, regular NBA playoff contenders; the Seattle Mariners, American League West baseball pennant winners; and the NFL's Seattle Seahawks.

Combining classroom education with practical experience is often the best way to master a discipline – and Seattle's urban opportunities offer students that critical link. As part of their educational program, many SPU students work 10 to 20 hours per week for a wide array of businesses and organizations such as Microsoft, Boeing, the Fred Hutchinson Cancer Research Center, KING TV, the Empty Space Theatre, the State Attorney General's Office, the Seattle Opera, The Children's Project, and elsewhere.

Pacific Northwest

Because of its natural assets, the Pacific Northwest offers unparalleled recreational opportunities: hiking, skiing, boating, fishing, and scuba diving, to name a few. One of the most popular ways to tour the 2,000 miles of Puget Sound shoreline is by ferryboat. And day trips from campus can lead you to waterfalls, ice caves, steam trains, totem poles, tide pools, and floating bridges.

At SPU's two island campuses, the beauty of the Pacific Northwest provides rest and research possibilities. At seaside Camp Casey on Whidbey Island, retreats and workshops are conducted in the rustic setting of a former military fort. On a 965-acre environmental preserve on Blakely Island, students study life above and below the sea.

Our History

In 1891, delegates to the Oregon and Washington Conference of the Free Methodist Church voted to establish a school in Seattle where students would be educated and trained for missionary service by teachers whose lives represented the highest in Christian values. Nils Peterson, a homesteader living on Seattle's Queen Anne Hill, deeded five acres of his property to begin what would be called Seattle Seminary. Hiram Pease, another Queen Anne resident, volunteered most of the capital and much hard work to erect the school's first structure, the four-story "red brick building" later to be named Alexander Hall after the school's first principal (and later president) Alexander Beers.

Seattle Seminary opened with two faculty members, Alexander Beers and his wife, Adelaide. In the first term of operation, the seminary registered 34 students in a college preparatory curriculum that included primary and intermediate grades. In 1905, a new administration building was added, later named Peterson Hall after founder Nils Peterson. College-level courses for freshmen entered the curriculum in 1910, and the school's name was expanded to "The Seattle Seminary and College" in 1913. Two years later the name was changed again to Seattle Pacific College, with five students comprising SPC's first graduating class.

In the 1920s, the College established a normal school for teacher training. During this time, the College began to look beyond its campus into the city to communicate its programs to a wider audience, anticipating its role as a liberal arts college. Enrollment climbed from 40 to more than 400.

Efforts to raise the standards and stature of the College were the focus of the 1930s. The first summer school program opened in 1931, and SPC's three-year normal school was accredited in 1933. Full accreditation of the College's four-year liberal arts program came in 1936 by the Northwest Association of Schools and Colleges.

Following World War II, the College grew from about 400 students to 1,400. In 1949, a School of Recreational Leadership was launched, paving the way for increased physical education programs and ultimately intercollegiate sports. During this time, the building of Royal Brougham Pavilion was begun, built to serve not

only College interests but also used as a means of outreach to city youth as well. From its founding to 1944, the school had built only four permanent buildings; between 1944–59, five more were constructed for academic purposes. In 1955, SPC acquired 155 acres on Whidbey Island called Camp Casey. It provided new opportunities for field study and outdoor education.

The 1960s became the College's golden age of expansion, especially in terms of facilities. In nine years, 15 new buildings and/or facilities were completed; major remodeling to 10 existing buildings created new, usable space; more than 70 real estate acquisitions were recorded; and improvements were made to Camp Casey, including a new swimming pool.

In the 1970s, curricular renewal and reorganization took center stage. A new curriculum focused on the individual and the learning process, and the "scholar-servant" model soon took form. The SPIRAL program was launched in 1975, which would grow to be the model program in the state for in-service teacher education. In 1976, Seattle Pacific received a gift of 965 acres on Blakely Island in the San Juans, which would become the site for an innovative research station. Overall, faculty developed higher professional levels of competence through an academic reorganization that followed a university model. Ultimately, on June 5, 1977, the College officially became Seattle Pacific University.

During the 1980s, Seattle Pacific sought to focus on building a sense of community on campus and in the surrounding community while strengthening its ties with the Free Methodist Church and the evangelical community at large. An Intercultural Institute of Missions was established in 1984 to refocus the University's historic missionary emphasis.

The 1990s saw Seattle Pacific University grow into a premier Christian university of arts, sciences, and professional studies. In 1991, SPU celebrated the Centennial of its founding in 1891. Academic strength was high with 85 percent of full-time faculty members holding doctorates or the highest degree in their field. In 1994, as part of its successful \$25 million capital campaign, SPU opened a \$10 million Library that now serves as the heart of the academic program. A unique "Common Curriculum," an innovative approach to general education, was launched in Autumn Quarter 1998.



By 2000, the University had put into effect a Comprehensive Plan for the 21st Century. That plan brings together planning streams for education, enrollment, endowment and facilities to ensure the Seattle Pacific's success for its second hundred years.

In Autumn Quarter 2003, a 64,000-square-foot Science Building opened, and the Otto Miller Hall (formerly the Miller Science Learning Center) underwent a major renovation. Both now enable undergraduate students to conduct research with faculty members in state-of-the-art facilities.

Today, SPU offers 55 undergraduate majors, 12 master's degree programs, and three doctoral programs. The University remains as committed as ever before to graduating students who demonstrate both academic competence and personal character — and who will change the world.

Presidents of Seattle Pacific University

Alexander A. Beers, Ph.B., M.A.	1893–1916
Orrin E. Tiffany, Ph.D.	1916–1926
C. Hoyt Watson, Litt.D.	1926–1959
C. Dorr Demaray, Litt.D.	1959–1968
David L. McKenna, Ph.D.	1968–1982
David C. Le Shana, Ph.D.	1982–1991
Curtis A. Martin, Ph.D.	1991–1994
E. Arthur Self, Ph.D.	1994–1995
Philip W. Eaton, Ph.D.	1995–

Our Traditions

New Student Convocation. This academic ceremony has its roots in a 1932 convocation where new students and faculty gathered to celebrate the opportunities and challenges of the new academic year that lays ahead. Today's New Student Convocation has a similar thrust, with faculty, family, and friends gathering in the Tiffany Loop prior to the beginning of the academic year to support new students as they embark on their SPU journey.

Christian Faith Exploration. Community worship, concerts, presentations on special topics, and evensong services are all part of Seattle Pacific University's extensive Christian Faith Exploration program. Evensong is Monday evenings; Chapels — featuring a variety of leading Christian speakers — are Tuesdays; the student-led service, group is on Wednesday nights; forums are on Thursdays; and cadres/small groups typically meet on Tuesdays and Thursdays.

Homecoming. The first official Seattle Pacific "Homecoming" was instituted in 1935 at the school's 42nd Commencement. Since then, Homecoming has moved to early Winter Quarter, separated from graduation weekend. Class reunions, athletic events, drama and music productions, a student talent show, and a variety of other gatherings between alumni, students, faculty, and staff make this weekend a highlight on the University's yearly calendar.

Tradition. Begun in the late 1980s, Tradition is a campus and communitywide event that takes place in the Tiffany Loop during the first week of December. In addition to the Christmas tree-lighting, activities include carol singing, sleigh rides, readings of the Christmas story, and other traditions designed to focus attention on the season of Christ's birth.

Graduate Hooding Ceremony. Master's degree recipients are invited to participate in the Hooding Ceremony before the Ivy Cutting Ceremony. Master's students are recognized for the completion of their advance degrees and are hooded by their school dean and the graduate faculty. Master's students then take their place behind the faculty for the Ivy Cutting procession. Doctoral students may attend but are hooded during Commencement.

Ivy Cutting. Ivy Cutting has been a part of spring graduation rites since 1922, when the first Ivy Planting ceremony was introduced. Now, more than 80 years later, graduates participate in an Ivy Cutting ceremony where each senior receives a cutting from a long, connected ring of ivy. The ceremony symbolizes the senior's tie to the University and its many alumni, as well as a newfound independence that comes with becoming a graduate.

Baccalaureate. The Baccalaureate service is one of worship and reflection, planned by members of the senior graduating class and featuring student speakers. It occurs the day before Commencement and held in Royal Brougham Pavilion.

Commencement. Commencement is a time-honored ceremony that recognizes the scholarship, service, and Christian growth of graduating seniors. It is a celebratory service, where students, faculty, staff, parents, relatives, and friends congratulate the graduates on their "new beginning." Degrees are awarded to graduates who have successfully completed the requirements to obtain their baccalaureate or graduate diplomas. The number of SPU graduates has grown from five in 1915 to more than 800 in recent years.

Accreditation and Affiliation

The history of the growth of Seattle Pacific University is linked to the educational community of which it is a part. In successive steps from 1921 to 1937, the University was accredited by the Washington State Board of Education. Since 1936, the University has been fully accredited by the Northwest Association of Schools and Colleges. It is on the approved list of the American Council on Education and Board of Regents of the State of New York, and its credits are recognized by members of the various regional associations and by leading graduate schools throughout the country. SPU is a charter member of the Christian College Consortium and is also a member of the Council for Christian Colleges and Universities.

The University is accredited by the National Council for Accreditation of Teacher Education (NCATE) at both basic (undergraduate) and advanced (graduate) levels. The University is a member of the Association of American Colleges and of the American Association of Colleges for Teacher Education. It is fully accredited by the Washington State Board of Education for preparation of elementary and secondary teachers.

The dietetics specialization in the food and nutritional sciences program is granted approval by the Commission on Accreditation/Approval for Dietetics Education of the American Dietetic Association, 216 West Jackson Boulevard Chicago, Illinois, 60606-6995, (312) 899-4876. This means a graduate of SPU with dietetic specialization is eligible to apply for a dietetic internship in another institution. After the dietetic internship taken elsewhere, the student is "RD Eligible." The student can then take the registration examination. If passed, the student becomes a registered dietitian.

The Marriage and Family Therapy Program is nationally recognized and accredited by the Commission on Accreditation for Marriage and Family Therapy Education, one of the only two programs so accredited in Washington state.

The undergraduate nursing curriculum is approved by the Washington State Nursing Care Quality Assurance Commission, and both the undergraduate and graduate programs are accredited by the Commission on Collegiate Nursing Education (CCNE).

Seattle Pacific University is a full member of the National Association of Schools of Music.

The electrical engineering program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology.

Seattle Pacific meets the requirements of the Commission on Christian Education of the Free Methodist Church for preparation of ministers and missionaries and is also approved by the Department of Christian Education of the Free Methodist Church and other denominations for the collegiate preparation of ministers.

The School of Business and Economics is accredited by AACSB International — the Association to Advance Collegiate Schools of Business.

The University is approved by the U.S. government for education of veterans and their dependents under the applicable public laws.

Our Resources for Learning

Seattle Pacific University students enjoy aesthetically pleasing learning spaces. Spread over the 45-acre Seattle campus, the buildings, recognized by their traditional brick or modern faces, are also known for the many ways in which they meet students' educational needs.

The Library

Completed in 1994, the Seattle Pacific Library is a spacious four-level facility that serves as the center for academic endeavors outside the classroom. It provides collections, services, technology, and space for study and research, with over 190,000 volumes arranged on open shelves for easy access to readers. The collection grows by some 6,000 new titles each year, including more than 1,300 current print periodical titles and an ever-expanding microfiche collection numbering more than 500,000 items. The collection is accessible online in the Library and through the campus computer network via its automated catalog. In addition, fundamental library processes of circulation, reserves, acquisitions, cataloging, and serials control are also facilitated through the same integrated automation system. Microfilm and microfiche reader-printers, low-cost duplicating facilities, and audiovisual listening and viewing stations are available as well.

In addition to standard printed reference sources, the Library makes available an increasing number of electronic information resources, including abstracts/indexes from ProQuest Direct, EBSCOHost, First Search, and other online products. In order to provide the utmost in convenience, access to more than 8,000 full-text journal titles is available from every computer on campus. Most of these resources are also available to off-campus students who have Internet access. An interlibrary borrowing service is available to students, faculty, and staff. As a member of OCLC (Online Computer Library Center), the Learning Resources Center Library can provide access to library holdings throughout the Northwest, across the nation, and beyond. In addition, students have library borrowing privileges at Northwest University and Pacific Lutheran University through a cooperative agreement. Since Autumn Quarter 2003, students also have access to 31 million items held in 26 Washington and Oregon academic libraries through the Orbis Cascade Alliance and Summit.

The Center for Learning

Located in Lower Moyer Hall, the Center for Learning offers four computers for student use, a Writing Center that provides assistance with writing class papers, services and support for students with disabilities, tutoring for many General Education courses, and academic consultation and referrals. Learning seminars and classes are offered every quarter.

Student Computer Labs

Student computer labs are located across the campus. Some of the computer labs are highly specialized for specific academic programs while other labs are more general purpose. In most of the student labs, a standard set of academic software tools are provided that include word processing, spreadsheets, presentation software, statistical software, programming languages, and database software. All of the general-purpose computer labs also provide full access to the Internet, color laser printers, and other local and remote networked resources.

Art Center: This lab has 11 high-end Macintosh computers for instructional use in visual communication and fine arts. Peripherals include a data projector, flatbed and slide scanners, as well as printers.

Library: There are presently two computer labs in the Library — an instructional classroom with 20 PC computers and an open lab with 22 PC computers and two Macintosh computers with digital video-editing capabilities. The Library also has computers for database searching, as well as a number of computers for special and assisted use. In addition, there are a number of network ports for students to use their own computers in the Library, and the building is a "hot spot" with wireless capability.

McKenna Lab: The Qwest Computer Lab in the School of Business and Economics contains 25 computers for open-lab and business-class use. A small networking lab is attached. An instructional classroom has 24 computers.

Otto Miller Hall: Numerous computer labs are located in Miller Hall serving the specialized needs of the departments of computer science, engineering, math and physics. A computer science lab contains 30 current-technology (FY03-04: P4/2.2 GHz) Windows® workstations for general student use. Students may also bring their own laptops into the building and connect them to the campus Ethernet using either a wired or wireless (802.11b) connection.

Music Keyboard Lab: The Music Technology Lab in Beegle Hall is equipped with eight high-end Macintosh computers connected to Roland RD-600 multi-timbre MIDI keyboards. In addition, the lab contains another high-end Macintosh computer capable of 16-track digital recording, using a Yamaha O2R Digital Recording Console, ADATs, Kurzweil K2500XS keyboard, and the industry standard ProTools software.

Student Union Building: Several computers are now available for student use in kiosks in the SUB.

Weter Hall: Ten computers are available for student use on the first floor of Weter Hall, and the building is a "hot spot" with wireless capability.

Classroom Technology

Faculty have a wide range of technology available in the classrooms to enhance student learning from "low-tech" equipment such as TVs and VCRs (available in nearly all classrooms), to "high-tech" resources such as large-screen projectors and Windows-based PCs (installed in 12 classrooms), to fully equipped electronic classrooms (three on campus). Computer and Information Systems also provides a wide range of circulating computer, audio-visual, and technology resources including video cameras; data projectors; and audio equipment. This equipment is available for use in instructional classrooms. In the near future, many classrooms will also be equipped with wireless access points for connection to the campus network.

Internet Access/Electronic Mail

Network connectivity and access to the Internet is available throughout campus. All students, faculty and staff use email and other electronic communication tools. Access to campus resources and databases through the Web is widespread. Many courses make use of an online course management system (Blackboard) for document repository, electronic grade books, online discussion and online assessments. The Internet also provides access to libraries, databases and information resources throughout the world. All faculty are provided late-model computers and high-speed network connections. Students can get access to the Internet from student computer labs, from their residence hall rooms, or from wireless "hot spots" in major common/study areas. Off-campus students have access to email from campus-provided modem connections. Many routine student transactions (registration, class schedules and access to grades) can be completed via the Web at an individual student's time and convenience.

Instructional Technology Services

Located on the lower level of the Library, Instructional Technology Services (ITS) helps faculty produce Web-based and multimedia learning resources. It also manages the Library's computer labs and satellite downlinks. With digital, audio, and video equipment, ITS helps bring new learning adventures to the SPU campus.

Technology Services in the Residence Halls

All of the campus residence hall units are provided a full complement of technology resources that include network connections to the local campus network and the Internet (a connection for each student), cable TV connections in each room, and telephone/voicemail services.

Technology Instruction and Assistance

The use of computers and networked resources is an important part of the academic program at SPU. Resources available to students include free antivirus software; discount software through the Microsoft-campus license agreement; the GetConnected program offering assistance in the first week of Autumn Quarter; and the Help@Home service, which provides assistance on an ongoing basis to students living in residence halls. Student assistants are available in all of the computer labs; and Computer and Information Systems provides a central computer HelpDesk and comprehensive Web-support site at www.spu.edu/CISHelpDesk.

Computer Ownership

The University provides a wide range of general purpose and specialized computer resources on campus, but for the most effective learning and use of computers, students are strongly encouraged to purchase their own computer. Seattle Pacific University supports both Windows and Apple Macintosh computers in our student lab environments and the residence halls. The choice of computers and software is left to the individual student.

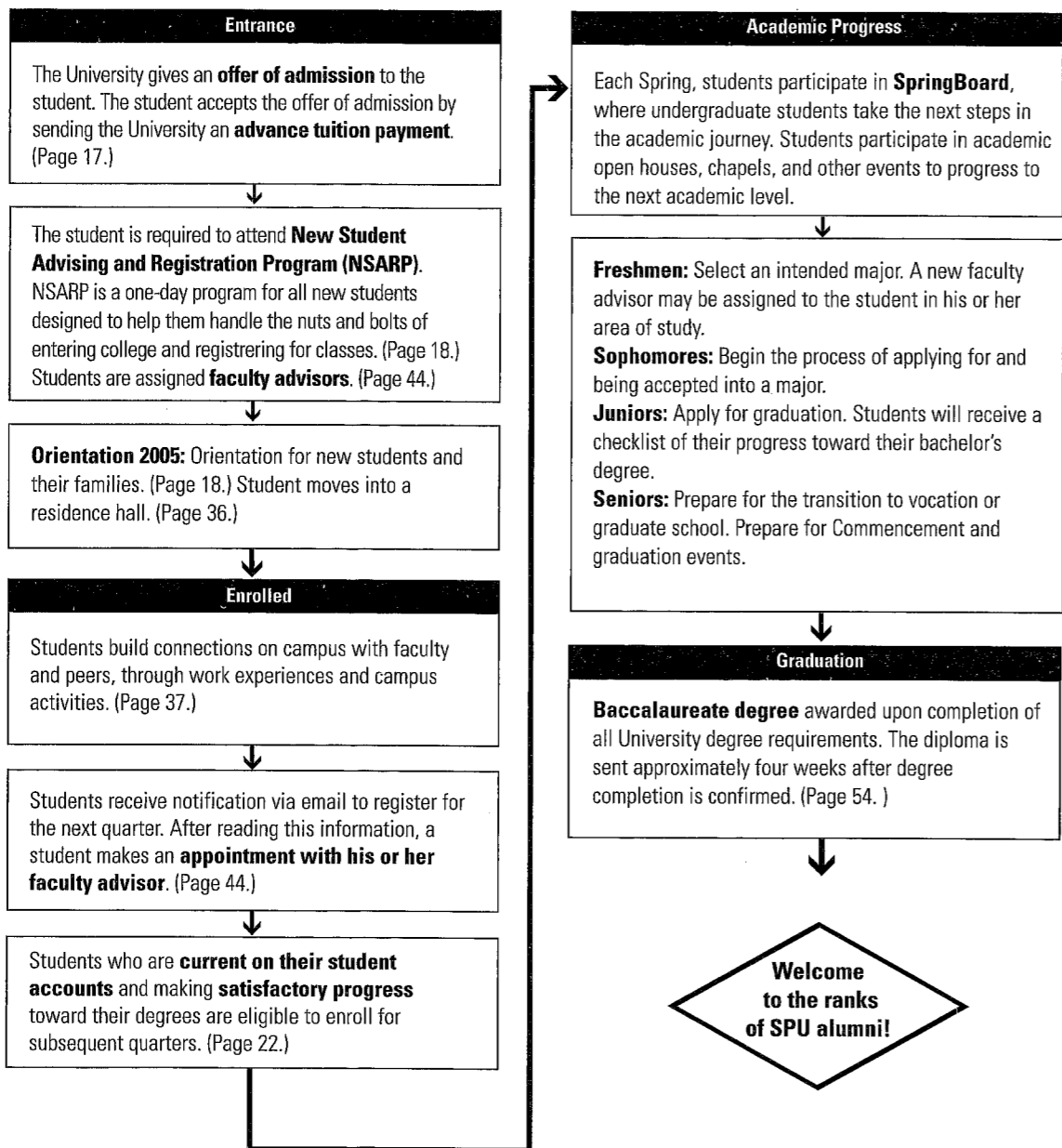
Admissions



What Happens Once a Student Is Admitted?

Progression From Admission Through Graduation

Once a student accepts Seattle Pacific's offer of admission, an educational journey begins. Here is an overview of what to expect from admission to graduation.



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 objectives 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 *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 it 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 includes transportation to and from commercial carriers, 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:

Campus Preview. Campus Preview offers prospective students an in-depth look at life on campus. This special weekend event is an opportunity for more than 200 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.

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.

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

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 at www.spu.edu, as well as in the back of this *Undergraduate Catalog* and the *Viewbook*. Application materials for admission must meet the following dates for each respective quarter:

All Materials Must Be Received By	To Be Admitted For
June 1, 2006	Autumn 2006
November 15, 2007	Winter 2007
February 15, 2007	Spring 2007
May 15, 2007	Summer 2007

Each applicant is responsible for providing all items required with the application, including a \$45 nonrefundable application fee.

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 March 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.

Procedures for Students Entering Directly From High School

- 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.
- 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. High school counselors are encouraged to provide additional information, if they desire.
- Entrance Examination:** Take either the College Board Scholastic Aptitude Test (SAT-I) or the American College Test (ACT). Information and registration forms may be obtained from the student's high school counselor. For updated information regarding the new SAT and ACT changes, please see the SPU Web site. The Web addresses for testing information are as follows: College Entrance Examination Board (SAT-I) at www.collegeboard.org; and American College Testing Program (ACT) at www.act.org. It is recommended that applicants take the SAT-I or ACT by January of their senior year.
- 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 with application materials.)

Procedures for Transfer Students

- Follow steps 1, 2, and 4 listed above for high school students.
- Send official transcripts from all colleges previously attended.
- 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, including the foreign language proficiency requirement, fulfilled. (See the listings at the end of this section for specific degrees accepted under this agreement.)
- All transfer students should review the Transfer Student section on the following pages for further information on SPU's transfer policies.
- Running Start students should follow the process for high school students.

SAT/ACT scores are not required for initial transfer application review, but may be requested at the discretion of the admissions committee. However, official test scores are required for math proficiency test exemption. (See B.A. Requirements Section: Placement/Proficiency Testing Program.)

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 in Arts*
- Tacoma Community College, *Associate in Arts and Sciences, Option A*
- Walla Walla Community College, *Associate in Arts*
- Wenatchee Valley Community 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) as part of their associate degree in order to transfer to SPU with University Core and Exploratory Curriculum requirements fulfilled.

Early Action Program for 2006–2007

The Early Action program at Seattle Pacific University is a nonbinding agreement for students who select SPU as their first choice. Early Action candidates must submit their completed application by December 1, 2005.

Early Action students are given first consideration for admission, campus housing, financial aid, and scholarships, provided they meet housing and financial aid application deadlines. (See Costs and Financial Aid; Residence Status and Financial Aid for details.)

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.

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 an ACT score, 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. Homeschool 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.

Early Admission

Qualified students may enroll at SPU prior to completing all required units in high school. Only students highly recommended for Early Admission will be considered. Such students should rank among the top students in their class and have high aptitude test 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.

Advanced Placement/CLEP/International Baccalaureate/PEP

Matriculated students at Seattle Pacific University may earn up to 45 quarter credits through University-recognized testing and advance credit programs. These include the Advanced Placement Testing Program (AP), College Level Examination Program (CLEP), Proficiency Examination Program (PEP), International Baccalaureate (IB), and SPU's Credit by Examination. These 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.

Recommended AP Equivalents			
AP Test	Credits	Exploratory Curriculum	SPU Acceptance
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 is not accepted.)			
Art 3-D (Design is 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-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 1121
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.

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			
IB Course	Credits	Exploratory Curriculum	SPU Acceptance
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
Geography	5	SSB	Social Sciences

Recommended IB Equivalents			
IB Course	Credits	Exploratory Curriculum	SPU Acceptance
History	5	SSB	Social Sciences
Islamic History	5		HIS 3720
			(no W credit; lower division)
Language A2	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	*

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

CLEP/PEP

Students who have completed CLEP exams with scores in the 50th percentile (C grade range) may receive 5 quarter credits. A listing of tests and scores is available in Student Academic Services. PEP credits are determined on an individual basis.

Transfer Student Information

Students Entering From Regionally or AABC Accredited Colleges and Universities

Students desiring admission to Seattle Pacific University from another regionally accredited institution or Association for Biblical Higher Education (ABHE) accredited institution 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, 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 any number of college 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.
5. Transfer associate degrees earned after matriculation at SPU will not be recognized toward fulfillment of Exploratory Curriculum, University Core requirements, and foreign language requirements.
6. A combined total of not more than 90 credits will be accepted from all two-year colleges, including unaccredited schools, AP, CLEP, and I.B. Existing Washington, Oregon, and

California community-college associate degree transfer agreements will be honored as they apply to Exploratory Curriculum requirements.

7. 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.
8. An undergraduate transfer student is required to earn a minimum of 45 credits in residence at SPU including 15 upper-division credits in his or her major at SPU to be eligible for a degree. See individual majors for additional degree requirements.
9. One-credit courses, except physical education (PE) activity, applied music and selected computer courses, ordinarily are not transferable.
10. No more than 3 credits of PE activity coursework and/or varsity sports will be transferred from all transfer institutions combined.

Students Entering From Regionally Unaccredited Colleges

Seattle Pacific University welcomes transfer students from all 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 comparable to SPU Exploratory Curriculum categories or courses will apply to the appropriate Exploratory Curriculum and University Core categories.

6. A maximum of 10 credits in biblical literature courses may be accepted as elective credits only.
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 community college and advanced credit/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).

Transfer Student University Foundations Requirements

All 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 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, including the foreign language and mathematics proficiency requirements, of SPU. Most transfer students are exempt from the English Placement program. For possible exemptions, see Math and English Testing section.

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, UFDN 2000 and UFDN 3100.

If a transfer student has taken Bible courses at a member institution of the Council for Christian Colleges and Universities, up to 10 credits may be accepted toward the fulfillment of the University Foundations requirements for students who enter SPU with freshman or sophomore standing, and up to 5 credits may be transferred toward the requirement for students who enter SPU with junior or senior standing. If Bible courses have been transferred from another accredited Christian liberal arts college that is not a member of the Council of Christian Colleges and Universities, up to 5 credits may be granted toward fulfillment of the Christian Scriptures requirement. If a transfer student has taken Bible courses from an accredited Bible college, up to 5 credits may be granted in fulfillment of the Christian Scriptures requirement.

In all cases, students must complete at least 5 of their required Foundations credits at Seattle Pacific University.

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 entering from U.S. schools must submit the same applications, transcripts, letters of recommendation, and test scores as other entering freshmen or transfer students, as well as the following (please refer to the International Admission application):

Students desiring to enter directly from a U.S. high school, college or university must:

1. Submit a TOEFL score of 550 minimum (213 on the computer-based test).

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 a personal essay (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.

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) to Student Academic Services, and must pay for their courses at the point of registration. Students seeking to enroll in courses at SPU while attended 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.

U.S. Citizens (Immigrants) 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, satisfactory performance in high school or college-level English courses, 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 to the Office of Admissions. 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, 2006, the national candidates reply date.
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 Quarter 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.

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 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 *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.

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 enroll in two study-skills classes to equip them for college course expectations and to clarify educational and professional goals. 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.

Disability Support Services

The University assists with program access through a variety of services for students with disabilities. Any student requiring special assistance should contact the Center for Learning at (206) 281-2475 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.

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 for 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 and Spring Quarters. 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.

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



Costs and 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, 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 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 *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.

2005-2006 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 Quarter courses. The fees for graduate, doctoral, and summer courses are published in separate catalogs or bulletins.

Autumn 2005-Spring 2006	
Per quarter for courses numbered 0000-4999	
1-11 credits, per credit	\$596
12-18 total credits	\$7,149
Additional per credit hour over 18	\$596
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, 2006 (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 2005-2006 Online 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 may register for evening courses (courses beginning at 4:30 p.m. and later) through the first class session; however, a \$50 late enrollment fee is charged when registration is completed after the first week of the quarter. See the University Calendar for dates.</i>	
Official transcript fee	\$3
Teacher certification fee (paid to the state of Washington)	\$25
Technology fee, per quarter	
12+ credits	\$38
1-11 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	\$74
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 (lost/ card)	\$20
SPU ID card replacement (damaged or stolen)	\$8
Temporary SPU ID card replacement	\$3
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 in the Security Office. Any changes in parking status must be reported to Security within 10 days of the change. You may call (206) 281-2922, or contact the office at www.spu.edu/depts/security/parking/parking.html. 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 the Security Office to be eligible for a refund of your parking fees.

Music	
Individual instruction fee	
1000-2000 level (per credit)	\$125
3000-4000 level 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
Comprehensive Testing Program	\$112 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 2005-2006 Online Time Schedule and/or revision listings.

Medical Insurance Fees

The University Student Health Center 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 the Health Center 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 the Health Center.

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

Health Services	
Residential students	fees included in room and meal plan charges
Commuter students	\$15 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 Admissions. Nonmatriculated 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	
<i>Requires purchase of Platinum, Gold, Silver, Bronze, or Copper meal plan each quarter.</i>	
Double Room	\$4,071
Triple Room	\$3,471
Emerson Residence Hall	
<i>Requires purchase of Platinum, Gold, Silver, Bronze, or Copper meal plan each quarter.</i>	
Single room — private bath	\$ 6,402
Single room — shared bath	\$ 6,015
Double room — private bath	\$ 5,637
Double room — shared bath	\$ 5,253
Triple/quad room — shared/private bath	\$ 4,869
Robbins Apartments	
One- or two-person unit	\$5,124
Four-person unit	\$4,320
Campus Houses and Apartments (including Theme Housing)	
<i>No meal plan requirement except for one Block 25 in Theme Housing.</i>	
One- or two-person unit	\$ 5,667
Three-or-more-person unit	\$4,650

Meal Plan Charges, Per Year	
Platinum	\$3,501
Gold and Copper	\$3,348
Silver	\$3,153
Bronze	\$3,087
Block 50 (per block)	\$340*
Block 25 (per block)	\$188*
Advantage Points	Minimum \$15 purchase*

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

Expenses for 2005-2006 Full-Time Undergraduates*		
	Per Quarter	Per Year
Tuition	\$7,149	\$21,447
ASSP and technology fee (mandatory fees)	\$112	\$336
Room and Meal Plan (traditional residence-hall double with Platinum meal plan)	\$2,524	\$7,572
Textbooks, supplies, average loan fee (for student-loan borrowers), and transportation average cost	\$1,127	\$3,381
Total	\$10,912	\$32,736

*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 via the Web 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 mail a copy of the account statement to an additional address (such as the student's parent) at the student's written request. 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. Information about using the e-check-payment mechanism can be found on the SPU Web site at www.spu.edu/sfs. 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. Information related to utilizing this service can be found on the University's Web site listed above.

Payment Policies

Students may choose to meet their financial obligations in three ways: (1) payment in full by the payment in full due dates; (2) the quarterly payment plan; or (3) the annual payment plan. The student account must be paid in full to be able to register for subsequent quarters.

Payment 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.

Quarterly Payment Plan

If students choose this Quarterly Payment 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 along with a \$30 application fee each quarter to Student Financial Services according to the following schedule. Please see www.spu.edu/sfs for more details.

Autumn Quarter 2005	
Application and \$30 fee	September 1, 2005
First payment	September 12, 2005
Second payment	October 10, 2005
Final payment	November 10, 2005

Winter Quarter 2006	
Application and \$30 fee	November 15, 2005
First payment	December 12, 2005
Second payment	January 10, 2006
Final payment	February 10, 2006

Spring Quarter 2006	
Application and \$30 fee	February 15, 2006
First payment	March 10, 2006
Second payment	April 10, 2006
Final payment	May 10, 2006

Annual Combined Payment Plan

The Seattle Pacific University Annual Combined Payment Plan combines autumn, winter, and spring Quarterly Payment Plans into one application and agreement. Students who plan to attend Autumn, Winter, and Spring Quarters may choose the Annual Combined Payment 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). 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 along with a \$70 application fee to Student Financial Services according to the following schedule (a new application and fee must be submitted each academic year). Please see www.spu.edu/sfs for more details.

2005-2006 Academic Year		Due Date
Application and \$70 fee		September 1, 2005
Autumn Quarter 2005		
First payment		September 12, 2005
Second payment		October 10, 2005
Third payment		November 10, 2005
Winter Quarter 2006		
First payment		December 12, 2005
Second payment		January 10, 2006
Third payment		February 10, 2006
Spring Quarter 2006		
First payment		March 10, 2006
Second payment		April 10, 2006
Third payment		May 10, 2006

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	\$7,149
Fees	\$112
Room and Meal Plan	\$2,524
Subtotal	\$9,785
Financial Aid*	-\$2,000
Balance Owed	\$7,785

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

Payment in full

\$7,785 due October 10, 2005

Quarterly Payment Plan (QPP), with Autumn Quarter example

\$30 application fee and application due September 1, 2005
 $\$7,785 \div 3 = \$2,595$ is the monthly payment plan amount and follows the QPP schedule for Autumn Quarter.

Payments	Due Date
First payment	Due Sep. 12, 2005
Second payment	Due Oct. 10, 2005
Final payment	Due Nov. 10, 2005

Annual Combined Payment Plan (ACPP)

\$70 application fee and application due September 1, 2005.

\$7,785 balance owed for each quarter.

$\$7,786 \div 3 = \$2,595$ (due monthly in Autumn, Winter, and Spring Quarters.)

\$2,595 is the monthly payment plan amount and follows the ACPP payment schedule:

Payments	Due Date
Autumn Quarter 2005	
First payment	Due Sep. 12, 2005
Second payment	Due Oct. 10, 2005
Third payment	Due Nov. 10, 2005
Winter Quarter 2006	
First payment	Due Dec. 10, 2005
Second payment	Due Jan. 10, 2006
Third payment	Due Feb. 10, 2006
Spring Quarter 2006	
First payment	Due Mar. 10, 2006
Second payment	Due Apr. 10, 2006
Third payment	Due May 10, 2006

* 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 Quarterly or Annual Payment 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 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 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.

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 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 as published in the *University Catalog*. 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 on the forms rack in the Demaray Hall lobby (first floor) or on the Web at www.spu.edu/depts/sas. Instructions for completing this process are listed on the back of the petition. 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. If the student wishes to receive the credit balance earlier, they may request withdrawals of credit balances from their account in writing. To allow adequate processing time, withdrawal of credit balances will take 24 business hours from date of request. Credit Balance Check Request forms are available in Student Financial Services or on the Web at www.spu.edu/sfs. Mail credit balance withdrawal requests to Seattle Pacific University, Student Financial Services, 3307 Third Ave. W, Suite 114, Seattle, WA 98119-1922, or fax the request to (206) 281-2835. The request must include the student identification number and signature.

Banking Services

Commercial banking services are conveniently available to students. Credit Union Northwest is located across from First Free Methodist Church, and 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.

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 on the SPU home page using the Banner Information System via the Web. 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 on the SPU home page 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, the refund will first be applied against the owing balance. Any questions regarding tuition refunds should be directed to Student Financial Services.

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)	\$7,149
Tuition for 10 credits (\$596 x 10)	\$5,960
Difference	\$1,189
75 percent refund	\$891.75
Tuition due on dropped course	\$297.25

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)	\$7,149
Tuition for 8 credits (\$596 x 8)	\$4,768
Difference	\$2,381
75 percent refund	\$1,785.75
Tuition due on dropped course	\$595.25

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 (\$596 x 11)	\$6,556
New level: 12 credits	\$7,149
Additional due	\$593

Example Five

Assume the same facts as above, but done on separate days.

Drop 2 credits (from 11 to 9)	
Refund = 75 percent of \$596 x 2	\$894
Add 3 credits (from 9 to 12)	
12 credits =	\$7,149
9 x \$596 =	\$5,364
Additional due	\$1,755

Example Six

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

(Full tuition 13 credits)	\$7,149
75 percent refund	\$5,361.75
Student owes	\$1,787.25

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.

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.

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 July 1, 2005
Winter Quarter	by December 10, 2005
Spring Quarter	by March 16, 2006

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 28, 2005
Spring Quarter	by March 2, 2006

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 check-out 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. 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) up to the amount of the student's documented finan-

cial need. (Please note: Only federal funds are available for the Organizational Behavior Degree Completion Program). 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. 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. Full-time enrollment (12 credits per quarter) is required for scholarship 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 be completed via paper (a form can be obtained at a secondary school or a college financial aid office) or via the Web at www.fafsa.ed.gov.

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 March 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. (Please note: Only federal funds are available for the Organizational Behavior Degree Completion Program). 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 acceptance of the financial aid offer by returning the signed Offer of Financial Assistance by the specified deadline. The student will receive email notification if any revision is made to the financial aid offer.

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 four ways:

1. SPU grants and scholarships, federal Pell grant, and federal SEOG: 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, the student will complete a master promissory note (MPN) online at www.spu.edu/sfs. 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), Educational Opportunity Grant (EOG), Washington Promise Scholarships, 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 term.

Minimum Grade Point Average

A financial aid recipient must be in good academic standing at the University. At the completion of the second year of study the student must have a cumulative 2.0 GPA to remain eligible for Title IV funding. (Please note: A higher minimum GPA may be required for scholarship recipients. Refer to the Scholarship/Grant section of the *Catalog* 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

First-time financial aid applicants will have their previous academic record measured for satisfactory completion of 80 percent of the credit hours attempted at SPU. Students averaging 80 percent satisfactory completion of credits attempted will be eligible to be considered for financial aid. Current financial aid recipients must satisfactorily complete a minimum of 80 percent of all attempted credit hours each academic year. For normal academic progress, full-time undergraduate students are expected to complete an average 12 credits per quarter. At this rate, a student is expected to complete an undergraduate degree in five years. Part-time students enrolled in an undergraduate degree or certificate granting program must complete a minimum of 6 credits per quarter and 80 percent of attempted credits, annually. 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.

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 completed 6 or more credits each quarter, but less than 80 percent of attempted credits each academic year, will be placed on financial-aid probation during the subsequent quarter of attendance. During the quarter of probation, the student will be eligible to receive financial aid and must complete all attempted credits to have the probation status removed. If the student does not complete all attempted credits, the student will be ineligible for further financial assistance until enough credits have been completed to bring the student back into compliance with SPU's satisfactory progress requirements.

A student who completes less than 6 credits in any quarter will be ineligible for further financial assistance. To regain eligibility for financial assistance the student must complete a minimum of 6 credits in a term. These credits may be taken at another institution and transferred to SPU or may be taken at SPU without receiving aid.

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 the Offer of Financial Assistance.

Return of Funds

In the event that students leave school during a quarter for which they have 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 the Refunds and Account Adjustments section of the *Catalog* 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 Quarter. In some cases federal and state programs are available. Complete information about these programs is available in Student Financial Services or online at www.spu.edu/sfs.

Seattle Pacific University Full-Tuition Scholarships are awarded to entering freshman selected on the basis of demonstrated exceptional academic ability and whose lives have demonstrated their commitment to the vision and ideals of Seattle Pacific. They are renewable for consecutive years through fourth-year senior status based on maintaining a 3.25 cumulative GPA and full-time continuous enrollment.

Seattle Pacific University Merit Fellowships are awarded to entering freshmen selected on the basis of demonstrated exceptional academic ability and have been identified as National Merit semifinalists or finalists. Renewable for consecutive years through fourth-year senior status based on maintaining a 3.25 cumulative GPA and full-time, continuous enrollment.

Seattle Pacific University Free Methodist Scholar Awards are awarded to entering freshmen based on demonstrated church, school, and community involvement, as well as affiliation with the Free Methodist Church from one of the supporting conferences. Renewable for consecutive years through fourth-year senior status based on maintaining a 3.0 cumulative GPA and full-time, continuous enrollment.

Trustee's Scholar Awards are awarded to entering freshmen on the basis of academic excellence. Renewable for consecutive years through fourth-year senior status based on maintaining a 3.0 cumulative GPA and full-time, continuous enrollment.

President's Scholar Awards are awarded to entering freshmen and transfer students based on academic excellence. Renewable for consecutive years through fourth-year senior status based on maintaining a 3.0 cumulative GPA and full-time, continuous enrollment.

Philip W. Eaton Scholarships are awarded to students who demonstrate a record of academic competence and whose lives have demonstrated their commitment to the vision and ideals of Seattle Pacific. Renewable for consecutive years through fourth-year senior status based on maintaining a 3.0 cumulative GPA and full-time, continuous enrollment.

Provost's Scholar Awards are awarded to entering freshmen and transfer students based on outstanding academic achievement. Renewable for consecutive years through fourth-year senior status based on maintaining a 3.0 cumulative GPA and full-time, continuous enrollment.

Phi Theta Kappa Transfer Scholarship is awarded for academic excellence to one entering transfer student who has earned an associate of arts degree. Renewable for one additional year based on maintenance of a 3.0 cumulative GPA and full-time, continuous enrollment.

Dean's Scholar Awards are awarded to entering freshmen and transfer students based on academic achievement. Renewable for consecutive years through fourth-year senior status based on maintaining a 2.6 cumulative GPA and full-time, continuous enrollment.

ROTC Academic Achievement Awards are awarded to selected students who are awarded an Air Force or Army ROTC academic scholarship. Renewable for consecutive years through fourth-year senior status based on maintaining a 3.0 cumulative GPA and full-time, continuous enrollment. Recipients are required to live in University housing.

Valedictorian Scholarships are awarded to entering freshmen. To receive this award, Student Financial Services must receive a letter from the student's secondary school confirming valedictorian status. Letters must be received by the first day of Autumn Quarter. Not renewable.

Washington Scholar Awards are available to students who have been designated as Washington scholars by the Washington State Higher Education Coordinating Board. Renewable based on maintaining the state's requirements for eligibility.

Washington Promise Scholarships are available to students who have been designated as Washington Promise recipients by the Washington State Higher Education Coordinating Board. Renewable based on maintaining the state's requirements for eligibility. For more information, please see www.hecb.wa.gov.

Ames Minority Leadership Scholarships are awarded to underrepresented ethnic minority high school graduates who may return to their communities and positively impact their world for Christ. Applicants must meet the Autumn Quarter admission deadlines and standards of SPU, complete a FAFSA and an Ames Scholarship application available through Admissions, and demonstrate significant community and/or church involvement. The annual

award is renewable for up to five years if the student maintains full-time enrollment, complies with the University's Satisfactory Academic Progress policy, and maintains a 2.5 cumulative SPU GPA.

Faculty/Staff Scholarships are funded by donations from employees of SPU and are awarded to continuing students. The fund supports school scholarships and recognizes outstanding students in each of the academic disciplines. Contact your major department for more information.

Fine and Performing Arts Scholarships are awarded on a competitive basis to students who have demonstrated outstanding musical, dramatic, and artistic talent. Contact the Fine Arts Department for further information.

Peer Advisor Scholarships are awarded to continuing students selected through a competitive selection process who will serve as peer advisors to resident students. Application is made available through the Office of Residence Life.

Performing Ministries Scholarships are awarded to students who participate in the SPU performing groups Unlimited and University Players. Auditions are presented before the fine arts faculty and University Advancement.

Athletic Scholarships are awarded to students who have demonstrated outstanding ability in men's and women's soccer, women's gymnastics and volleyball, women's and men's basketball, cross country, and track. Contact the Athletic Office for further information.

Ministerial Scholarships are awarded to full-time, undergraduate dependents of full-time, ordained practicing pastors or missionaries from the United States or Canada. Renewable through fourth-year senior status based on the student continuing to be classified as dependent. No supplemental application is necessary.

SPU Alumni Scholarships are awarded to full-time, dependent, undergraduate children of Seattle Pacific University graduates. Renewable through fourth-year senior status based on the student continuing to be classified as dependent. No supplemental application is necessary.

Ministerial Tuition Discounts are available to full-time, ordained, practicing pastors or missionaries who are pursuing studies to enhance their ministry. Contact Student Financial Services for application information.

Health Professional Scholars is a state-funded program that provides scholarships for students who have declared their intent to serve in a nursing shortage area in the state of Washington. Applications are available in the School of Health Sciences.

SPU-Church Matching Scholarships are awarded to students who are chosen by a scholarship committee within an organized Christian church in the United States or Canada. Churches must be approved by Student Financial Services and must provide that office with a letter of confirmation for each scholarship awarded by October 31. Contact Student Financial Services for further information.

Minority Church Partnership Awards provide matching scholarships to students who receive a scholarship from selected minority churches in the greater Seattle area. Complete information about this program is available in the Student Programs Office.

International Student Scholarships are available in limited amounts. Contact the Student Programs Office for further information.

Seattle Pacific University Grants are awarded to undergraduate students on the basis of financial need, as established by a processed FAFSA.

Federal Pell Grants provide grants to qualified undergraduate students from moderate-to-low income families, as determined by a processed FAFSA.

Federal Supplemental Educational Opportunity Grant (SEOG) provides funds to the University for grants to students with financial need as determined by a processed FAFSA.

Washington State Need Grant (WSNG) provides financial assistance to students enrolled at least half-time who are Washington residents and have high financial need. Student Financial Services will nominate eligible students to the Washington State Higher Education Coordinating Board and will notify those who qualify. A processed FAFSA is required and awards are made as funds are available.

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

Athletics

Contact the Athletic Department for more information at (206) 281-2085.

- Falcon Athletic Scholarship
- Ken Foreman Pursuit of Excellence Scholarship
- Frank Furtado Jr. Athletic Training Scholarship
- Roy Glancy Athletic Scholarship
- Habegger Basketball Scholarship
- Doris Heritage Cross Country/Track Scholarships
- Larry Issak Scholarship
- McNeese Athletic Scholarship
- R. Rochelle Basketball Scholarship
- Sternberg Athletic Scholarship

Business

Contact the School of Business and Economics for more information at (206) 281-2970.

- Chas Anderson Scholarship
- Ned Bohrer Memorial Scholarship
- Ben Cheney Scholarship
- Chinn Memorial Scholarship
- Hickman Trust Scholarship
- David L. McKenna Scholarship
- Mendall B. Miller Business and Economics Scholarship
- Vicki Lee Morley Business Scholarship
- Aubrey Wayne "Monty" Morton Scholarship
- Peat-Marwick Scholarship
- Safeco Scholarship
- SBE Academic Excellence Award
- Phil Smart Sr. Scholarship
- E. Gerald and Katherine Teel SBE Scholarship

Campus-Based Scholarships

Contact the department or person indicated for more information.

- Alumni Association Scholarship (Alumni)
- Bridges Scholarship (Residence Life)
- OSL Scholarship (Student Life)
- Sheard Alumni Falconette Scholarship (Falconette advisor)
- Roy Swanstrom Centurion Scholarship (Centurion advisor)
- Servant Leader Scholarship (Campus Ministries)

Education

Contact the School of Education for more information at (206) 281-2214.

- Laura R. Boye Memorial Scholarship
- Charles and Pearl Foster Scholarship
- Clayton E. Gibson Scholarship
- Hughes-Ets Memorial Scholarship

- Milliken Teachers Scholarship
- Richards Teacher Education Scholarship
- Robichaud Scholarship
- School of Education Scholarship

Engineering

Contact the Engineering Department for more information at (206) 281-2296.

- Robert W. Burwell Engineering Scholarships
- Deffenbaugh Electrical Engineering Scholarship
- Irwin Engineering Scholarship
- Wai Lee Engineering Scholarship
- Howard M. Winegarden Engineering Scholarship

Family and Consumer Sciences (FCS)

Contact the Family and Consumer Sciences Department for more information at (206) 281-2195.

- Dorothy Kennedy Scholarship
- Kreider Home Economics Scholarship
- FCS Alumni Scholarship
- Sigma Rho Scholarship

Humanities

Contact the department indicated for more information.

- C. Dorr Demaray Scholarship (English)
- C. Melvin Foreman Scholarship (Sociology)
- Donald and Lydia McNichols Humanities Scholarship (Humanities)
- Clifford E. Roloff History Scholarship (History)
- Rosser-Danielson Speech Scholarship (Communication)
- Tollefson Minority Scholarship (Sociology)

Independent Colleges of Washington

Contact Student Financial Services for more information at (206) 281-2061.

- Olympic Resource Management Scholarship
- Pepsi Cola Scholarship
- Q13/WB22 Cares Scholarship
- QFC Coca Cola Scholarship
- Washington Auto Dealer Scholarship
- Washington Mutual Scholarship

Intercultural

Contact Intercultural Affairs for more information at (206) 281-2486.

- Blair Missions Scholarship (Intercultural)
- Chapman-Stewart Scholarship (Intercultural/Theology)
- Deshazer Scholarship (Intercultural)

International Grant

- International Scholarship
- Rosenberger Scholarship (Intercultural)
- Robert L. Taylor Memorial Scholarship (Intercultural)
- Alfred A. Thorn World Missions Scholarship (Intercultural)
- Robert L. and Buelah N. Whitlow Scholarship (Intercultural)

Mathematics

Contact the Mathematics Department for more information at (206) 281-2140.

- Burton Beegle Scholarship (Natural and Mathematical Sciences)
- Arthur and Gloria E. Langer Scholarships (Physics or Math)
- Kim Drone Scholarship (Math and Science)

Nursing

Contact the School of Health Sciences for more information at (206) 281-2233.

- Brohamer Nursing Scholarship
- Robert L. and Dorothy L. Crane Nursing Scholarship
- Trina Marie Deffenbaugh Nursing Scholarship
- Lydia Green Nursing Scholarship
- Mitsuko Hara Nursing Scholarship
- Le Master Nursing Scholarship
- Lesser Nursing Scholarship
- Jean Negus Malmo Nursing and International Studies Scholarship
- Nursing Leadership Scholarship
- Oakes Nursing Scholarship
- Professional Nurses Traineeship Grants
- Walters Nursing Scholarship

SFS Undergraduate Scholarships *

Contact Student Financial Services for more information at (206) 281-2061.

- Sophie Anderson Trust Fund
- Katherine Ansart Scholarship
- Harold and Lois Best Scholarship

- D.H. and R.B. Bilderback Scholarship
- Wanda Marston Burleigh Scholarship
- Callen Missions Scholarship
- Carpenter Scholarship
- Cascade College Alumni Scholarship
- Custom Business Systems Inc. Scholarship
- Joseph L. Davis Scholarship
- Hearst Scholarship
- James A. Henry Memorial Scholarship
- Higbee-Whitaker Scholarship
- James Hurd Scholarship
- Hutchinson Memorial Scholarship
- Carol Jean Carson Ivory Scholarship
- Richard Klein Scholarship
- Sarah Louise Knight-Wimpy Scholarship
- Catherine Loomis Scholarship
- Dorothy Lucas Scholarship
- Alice C. Marston Scholarship
- Merrick Scholarships

- Ross D. and Adeline S. Mills Scholarship
- Native American Youth Scholarship
- Eleanor L. Nazareus Scholarship
- Lloyd E. Northrup Jewish Student Scholarships
- Northrup Scholarship
- Harold and Alba Overland Scholarship
- Earl Phillips Scholarship

- Rapp Anabelle Ansart Scholarship
- Catherine M. Richey Memorial Scholarship
- Seattle Federation of Women Scholarship
- Stratford Foundation Scholarship
- V.W. Thuesen Trust Fund
- UPS Foundation Scholarship
- Vereide Memorial Scholarship
- Vera E. Walls Scholarship
- Wimpy Scholarship

Organization/Individual Scholarships

Contact Student Financial Services for more information at (206) 281-2061.

- Custom Business Systems Inc. Scholarship
- Free Methodist Bible Quiz Scholarship
- Glaser Foundation Disabled Student Scholarship
- Lemcio-Philipchuk Scholarship
- Lindstrom Scholarship

Performing Arts

Contact the Fine Arts Department for more information at (206) 281-2205.

- Bradley FPA Scholarship
- Causey Theatre Scholarship
- James and Joyce Chapman Theatre Scholarship
- Winifred Rhoades Emmanuel Music Scholarship
- Bertha Gilbertson Music Scholarship
- Dora E. Jensen Scholarship
- Michael K. Lake Classical Guitar Scholarship
- Harriet and Winifred Leighton Music Scholarships
- McClurg Vocal Performance Scholarship
- Philip Mack Music Scholarship
- Rearick Theatre Scholarship
- Lois H. Roth Scholarship
- Lawrence R. Schoenhals Music Scholarship
- Mildred M. Schoenhals Music Scholarship
- Paul T. and Vera E. Walls Scholarship
- Margaret Sutton Scholarships

Psychology

Contact the School of Psychology, Family, and Community for more information at (206) 281-2918.

- Philip Ashton Scholarship

Sciences

Contact the department indicated for more information.

- Causey Biology Scholarship (Biology)
- Dietzman Scholarship (Chemistry)
- Otto M. Miller Physics Scholarship (Physics)
- Burton Moyer Scholarship (Physics)

- Ken Smith Sr. Computer Science Scholarship (Computer Science)

Theology

Contact the School of Theology for more information at (206) 281-2342.

- Harry and Lois Ansted Scholarship
- Lowell Berry Memorial Scholarship
- Tony and Thelma Bettencourt Scholarships
- Cochrane Scholarship
- Charles Fogg Scholarship
- Charlotte A. Forslund Scholarship
- Crete Hammersla Scholarship
- Haslam Family Christian Ministry Scholarship
- Hawley Scholarship
- Robert Hayes Memorial Ministerial Fund
- Walter and Esther Hesel Free Methodist Ministry Scholarship
- Kirkpatrick Scholarship
- Margaret McCarty Scholarship
- Ellen Joyce Pinnt Religion Scholarship
- Stundon Memorial Fund
- Youth for Christ Scholarship

*Note: The listing below the SFS Undergraduate Scholarships subhead is not an exhaustive list of SFS-awarded scholarships. Please contact SFS for more information.

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 period of 10 years 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.

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. 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. Students may also obtain deferment of payment-for service under the Peace Corps Act, service under the Domestic Volunteer Service Act of 1973, or comparable service as a volunteer for a tax-exempt organization of demonstrated effectiveness in the field of community service. For further information regarding these types of deferments, students must contact their lenders.

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 percent annually. Arrangements can be made with some lenders to have payments deferred. Contact your lender for more information.

SPU Undergraduate Student Loan Program. This program, sponsored by SPU, was created to provide assistance to needy students. Specific information about the program, student eligibility criteria, and application forms 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 on the SPU Web page at www.spu.edu/studentjobs. 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



Student Life

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 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 campus-life programs. In addition to managing all the units that comprise Student Life, 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.

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. 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 about 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 solicited 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 perfor-

mance, 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 (on campus, dial x2481), the director of human resources (on campus, dial x2678) or the Office of Academic Affairs (on campus, dial x2125).

Further information and SPU's complete statement concerning sexual harassment is available from the Office of Student Life (on campus, dial x2481), Human Resources (on campus, dial x2809), or Safety and Security (on campus, dial x2922).

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 VP for Academic Affairs/Dean of Student Life
Phone: (206) 281-2123
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, available in the Office of Student Life.
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, or to use or possess, alcohol or tobacco products on or off University property or as part of any of its activities; and it expects that students will not be involved in situations where such activities are present. 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, 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 Acceptable Use Policy Statement at www.spu.edu/CISHelpDesk/computerpolicies/index.asp).
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 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 placed on disciplinary contract.

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.

For additional information, please refer to the Student Life Web page at www.spu.edu/depts/studentlife/drugfree.asp.

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 the Office of 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 Campus 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 link found at www.spu.edu/CISHelpDesk/computerpolicies/ 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.

The Residential Living Requirement is evaluated yearly to support the residential experience, as well as respond to housing demand. For the 2005–2006 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, or spouse.
- 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 completing and 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. Further information is available at 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, desks, dressers, chairs, a telephone with voicemail, cable television service, and Internet access. Residence halls are closed during Christmas and Spring Breaks as indicated in the *Residential Student Guidebook*.

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. Returning students are given priority for these units.

Students must be admitted to the University before applying for housing. The date a student applied for admission will be used to determine housing priority. 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.

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.

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 (see page 39).

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

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 allows students access to SPU's restaurant-style dining facility, Crossroads at Gwinn Commons, during different times of the day. The plans also provide SPU Points, which are worth a penny a point and save the user sales tax. SPU

Points save the student sales tax. Unused SPU Points will roll from quarter to quarter but not from year to year.

Advantage Points are used in the same manner as SPU Points but are not linked to a metal meal plan. Unused Advantage Points will roll from quarter to quarter and from year to year.

Theme housing residents must choose at least one Block 25 plan per year. A Block 25 plan allows the students 25 entrances into Crossroads to be used at their discretion. A Block 50 (50 entrances into Crossroads) is also available.

Although not required, students living in campus apartments or off campus may choose from any of these plans or purchase Advantage Points with a minimum of \$15. Blocks and Advantage Point plans are nonrefundable. All meal plans are accessed with a Campus card, available from the Office of University Services. Detailed descriptions of meal plans are mailed with both the housing application and contract.

Crossroads at Gwinn Commons provides service beginning with the evening meal the day residence halls open and ending with the evening meal on the last day of finals. In addition to Crossroads at Gwinn Commons, SPU has a campus convenience store (Corner Place Market), and a retail restaurant and grill (Falcon's Landing). Espresso drinks are served at both the Corner Place Market and Academic Perks in Falcon's Landing. Meal plan service is not available in Crossroads or Falcon's Landing during Thanksgiving, Christmas, or Spring Breaks. Cornerplace Market operates on a limited schedule during breaks.

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.

Room and Meal Plan Contract

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 rooms or residence halls in the event such reassignments are determined necessary.

Priority for University housing is given to matriculated (admitted) students registered for 9 credits or more each quarter. Students enrolled for 3 to 8 credits may request housing 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 *Undergraduate Catalog* (see page 21). Refund schedules and cancellation charges are outlined in the Refund and Account Adjustments section of the *Catalog* (see page 24).

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, 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. More information about most ASSP services and programs can be found at www.spu.edu/depts/assp.

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.
- **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 the Campus Ministries Web site at www.spu.edu/depts/ocm.
- **Christian Faith Exploration.** For a full description of the CFE program and requirements, see Our Christian Community on page 5 of this *Catalog*.

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 and women's basketball; men's and women's crew; men's and women's cross country and indoor and outdoor track and field; men's and women's soccer, and women's gymnastics and volleyball. For a complete overview of Falcon athletics, visit www.spu.edu/depts/athletics/.

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, and for a complete overview of the SPU intramural program, visit www.spu.edu/depts/intramurals.

Clubs and Organizations

There are numerous activities and clubs in which students participate. For a complete, up-to-date listing, please visit www.spu.edu/depts/assp and click "Campus Activities" and then "Campus Clubs."

Career Development Center

The move from college to career or advanced education 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 in the marketplace. Career Development Center staff teach two courses: GS 2001 Major and Career Exploration, a 1-credit course assisting students in identifying interests, motivations, and faith commitments to making informed choices about academic major and vocational choice and GS 3001 Career and Life Transition, a 1-credit course assisting students to create a vision for work and service, find a job/career path that suits them, and conduct an effective job search.

The Internship Program, coordinated by the Career Development Center, offers students opportunities to further clarify their career goals 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, write résumés, improve interview skills, and develop effective job search strategies. An on-campus recruiting program brings representatives from national and local companies, government and nonprofit agencies, and school districts to campus to interview students. Job listings are available in SPU's eRecruiting program, on the Career Center Web page. Also, a comprehensive placement file service is maintained for School of Education graduates.

The Career Center maintains an extensive Web site of resources at www.spu.edu/depts/cdc. It 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 from 8 a.m.–6 p.m. Monday through Thursday, and 8 a.m.–5 p.m. on Fridays. For more information, call (206) 281-2475.

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).
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. Health Services nurse practitioners (ARNP) with prescriptive authority provide assessment, evaluation, diagnosis,

treatment, and management of general health problems. Referrals to specialists are provided when medically indicated.

To schedule and appointment, students may call (206) 281-2231. Health Services is located in Watson Hall on the first floor and is handicap accessible from the pedestrian walkway ramp.

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 who are committed to the emotional and mental well-being of SPU students. Services include individual, relational, and group counseling. A registered dietitian and psychiatrist are also available to provide nutritional counseling and medication evaluations as necessary.

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/scc/ 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, please refer to the SPU Web site at www.spu.edu/depts/studentlife/.

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, Miller Hall, Demaray Hall, and Gwinn Commons each Wednesday. The Web site is www.thefalcononline.com.

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

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 Web site at www.spu.edu.

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 Web site 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. *Response* is also published online at www.spu.edu/response.

SPU Web site. The University's Web site 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* link.

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/submit-digest.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.

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. 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 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 at www.spu.edu/security.

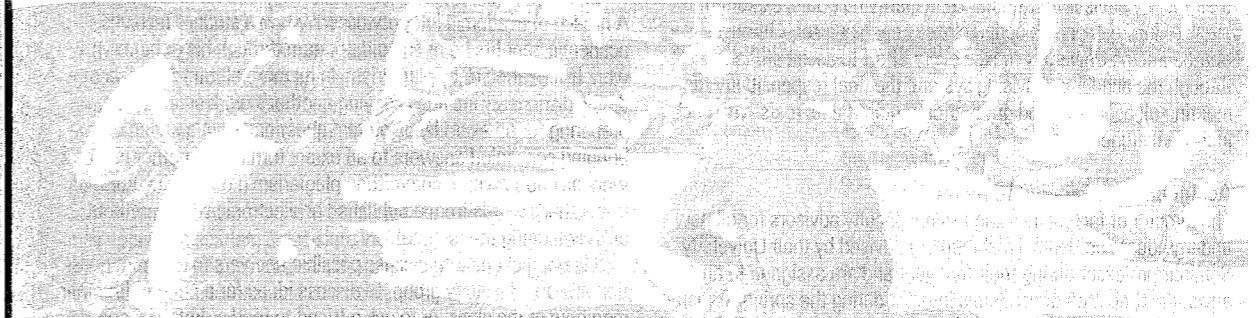
Liability. SPU does not assume liability or responsibility for motor vehicles parked on University property or adjacent streets, nor for the contents of these vehicles.

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



Academic Policies and Procedures

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 online in Banner under "Student 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.

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 so long as the student acknowledges the sources with appropriate citations.

Dishonesty in Academics

The penalties for breaches of academic integrity shall be clearly spelled out in a course syllabus. They may range from no credit for the work in question to no credit for the course. Both the students and the instructor have obligations to report and to prevent cheating, plagiarism, or other academic misconduct.

If the instructor suspects academic dishonesty, the following guidelines apply:

1. The instructor arranges a conference with the student to discuss the incident.
2. If, following the conference, the instructor is convinced that the student violated academic integrity, the instructor may propose appropriate action. If the student accepts such action as appropriate, both student and instructor will verify this in writing and no further penalty will be necessary.
3. In instances where agreement is not reached between the instructor and the student, the instructor may initiate a grade penalty against the student by notifying the appropriate school dean in writing with supporting evidence. The penalty imposed will be commensurate with the degree of offense, from loss of credit for the work involved in the infraction to loss of credit for the entire course. The penalty is to be determined in consultation with the school dean. The notification, supporting evidence, and the school dean's written concurrence with the penalty will be sent to the dean of student life for inclusion in the student's personal file. The student may appeal this action by following the process outlined under Academic Appeals below.
4. In the case of repeated offenses or flagrant dishonesty that warrant probation or dismissal from the University, charges will be made in writing by the instructor through the appropriate school dean to the chief judicial officer and then to the dean of students.

5. If the act of dishonesty is associated with a criminal act (e.g., breaking into a faculty office) or with concerted group effort (all or part of a class), such cases will be immediately referred to the chief judicial officer and the dean of student life.

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.

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.

Levels of Appeals

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

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

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 12 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 students endeavoring to develop the competencies necessary for academic success. These students will work closely with a special advisor and may take no more than 14 credit hours per quarter while adjusting to the academic expectations of SPU.

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.

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 50-minute periods five days a week or 90-minute periods three days a week. Except during Summer Session, 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.

Definition of Credit

One "credit" signifies the value towards 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.

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 ²
14 hours or less	15-18 credits
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.

Registration

Registration on the Web

Seattle Pacific University offers students the opportunity to register for classes from the SPU Web site. 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 their registration forms to withdraw from classes.

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.

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 (refer to the University Calendar for specific dates). The deadline for withdrawing from courses is the sixth week of the quarter. Specific dates for these registration deadlines are printed in the University Calendar located at the back of the *Undergraduate Catalog* and online at www.spu.edu. Students who are receiving financial assistance are encouraged to speak to a Student Financial Services representative before making a change in course load.

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.

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 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.

Petition forms are available on the forms rack in the Demaray Hall lobby (first floor) or on the Web at www.spu.edu/depts/sas/sas.html. Instructions for completing this process are listed on the petition. 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.

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 filling out an Add/Drop form in 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.

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.
- Students must complete the appropriate withdrawal form.
- After the fifth day of the quarter the student must obtain the required signatures to withdraw from a course.

Complete Withdrawal From School

A student who desires to withdraw from Seattle Pacific University must obtain an official Add/Drop form from Student Academic Services, submit a letter requesting a complete withdrawal, 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 printed 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.

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.

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) and College Level Examination Program (CLEP), International Baccalaureate (IB), 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.

*Eligibility: The student must be admitted to SPU and enrolled for the current quarter.

Independent Study

Independent Study agreements are courses where 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. Only matriculated students at Seattle Pacific University may register for Independent Study. The form 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.

Travel Studies Program

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

SPU credit. Classes that offer Seattle Pacific University credit are scheduled and listed in the *Online Time Schedule* and *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 the Special Studies Web site at www.spu.edu/acad/studyabroad/.

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 the Special Studies Web site at www.spu.edu/acad/studyabroad/.

Individual travel studies. This program allows travel study for educators at the 5000 level. For more information, contact the School of Education.

Veterans' Benefits

Seattle Pacific academic programs of study are approved by the State Approving Agency (SAA) for enrollment of persons eligible to receive educational benefits under Title 38 and Title 10, U.S. Code. For information on education benefits, contact the veterans' coordinator in Student Academic Services.

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, an 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.

Grade	Points	Explanation
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

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 I grade can be given only with the approval of the school dean upon written recommendation of the instructor. The agreement must be made with the instructor before the final examination. 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.

Withdrawal from a course with official approval during weeks two through six of the quarter will result in a W appearing on the transcript.

Audit

Any SPU course may be audited, with the exception of some graduate courses. Please refer to the *Online 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.

Classification at Entrance

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.

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.

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.

Graduation

Graduation application forms for undergraduate or second baccalaureate degrees are available in Student Academic Services and online at www.spu.edu/depts/sas/sasforms.html. 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.

Intending to Graduate	Deadline
Spring/Summer Quarters	September 1
Autumn Quarter	March 1
Winter Quarter	June 1

Students who meet the graduation application deadlines will receive information on their academic progress prior to their anticipated quarter of graduation. Students who do not meet the application deadline may not receive academic progress reports or have their name appear in the Commencement brochure.

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.

Honor	Grade Point Average
Cum Laude	3.50–3.74
Magna Cum Laude	3.75–3.89
Summa Cum Laude	3.90–4.00

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 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.

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 \$3 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 on SPU's home page.

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.

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. Change of Address forms are available 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).

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 non-academic activities, whether such activities occur on or off campus. Students will be responsible for their own transportation to such activities.

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

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 the Student Life section for details.)

Degree Requirements

Most undergraduate students entering Seattle Pacific University Autumn Quarter 2005 follow the same general education curriculum to complete their undergraduate degrees. This curriculum, called "Degree Path One" in previous SPU catalogs, includes the Common Curriculum (including the University Seminar, University Core, and University Foundations courses) and the Exploratory Curriculum.

Graduation Requirements

For Common Curriculum Program, University Scholars Program, Professional Studies Program, RNB Program, and the evening program in electrical engineering.

Specific 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 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 courses; incoming juniors are required to complete 5 credits; and incoming seniors are required to complete 3 credits. (See section on Writing Courses.)
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 2005 is subject to all major requirements listed in the 2005–2006 *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 online at www.spu.edu/depts/sas/sasforms.html. Application deadlines appear under the Graduation section of the *Catalog* (page 50).
- 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.

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.

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. Contact the Center for Learning for more information.

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	
USEM 1000 University Seminar	5
University Core	
UCOR 1000 The Arts and the Christian Community	5

UCOR 2000 The West and the World	5
UCOR 3000 Belief, Morality, and the Modern Mind	5
University Foundations	
UFDN 1000 Christian Formation	5
UFDN 2000/3001 Christian Scriptures	5
UFDN 3100 Christian Theology	5
Total	35

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, 1103, 1104 Drawing Studio (5)	
ART 1180 The Visual Arts (5)	
ART 2302 Painting Studio-Oil (5)	
ART 2422 Metals Studio (3)	
ART 3546 Art Education** (3)	
ART 3602 History of Ancient Art (5)	
ART 3603 History of Christian Art (5)	
ART 3604 History of Renaissance Art (5)	
ART 3605 History of Modern Art (5)	
ART 3606 History of Asian Art (5)	
ART 3607 History of American Art (5)	
EUR 3100 Foundations of European Art (2)	
FCS 1710 Design Fundamentals (5)	
FCS 2870 Seeing History Through Clothes (5)	
FCS 3870 History of Costume "W" (5)	
FLM 4130 Film in Culture (4-5)	
FPA 4151 Oxford Arts Tutorial (6)	
MUS 1600 Exploring and Understanding Music (5)	
MUS 1250, 1251 Keyboard Class (2)	
MUS 1260, 1261 Class Instruction: Voice (2)	
MUS 2305 or MUS 4305 Women's Choir* (2)	
MUS 2311 or MUS 4311 Jazz Ensemble* (1)	
MUS 2312 or 4312 Men's Choir* (2)	
MUS 2313 or MUS 4313 Vocal Jazz Ensemble* (1)	
MUS 2340 or MUS 4340 Chamber Ensemble: Gamelan* (1)	
MUS 2350 or MUS 4350 Concert Choir* (2)	
MUS 2351 or MUS 4351 Symphonic Wind Ensemble* (2)	
MUS 2353 or MUS 4353 Symphony Orchestra* (2)	
MUS 2604 Soundscape (5)	
MUS 2605 Survey of Popular Music (5)	
MUS 2654 World Music* (3)	
and MUS 2655 World Music Lab* (2) (taken concurrently)	
MUS 3401 Music and Worship (2)	
MUS 3501 Elementary Methods and Materials** (3)	
MUS 3602 Magic of Opera (5)	
MUS 4401 Song of the Church (3)	
MUS 4402 History and Appreciation of Jazz "W" (5)	
TRE 1110 The Theatre Experience (5)	
TRE 1310 The Actor's Art (5)	
TRE 1340 Acting I: Fundamentals (5)	
TRE 1930, 3930 Performance Practicum* (2)	

TRE 1931, 3931 Production Practicum* (2)	
TRE 2420 Theatre and Drama: Tragedy (5)	
TRE 2421 Theatre and Drama: Comedy (5)	
TRE 3800 Theatre Education Methods**	
*May be repeated for up to 6 credits toward Exploratory Curriculum requirements.	
**Only elementary education certification students may take ART 3546, MUS 3501, or TRE 3800 toward arts credit.	

B. Humanities (Classics, Communication, English, European Studies, Philosophy)	3 credits minimum
Choose from among the following courses:	
CLA 3100 Ancient Civilization (HIS 3100) (5)	
CLA 3104 Survey of Ancient Greek Literature (5)	
CLA 3170 Classical Civilization (HIS 3170) (5)	
CLA 3204 Survey of Classical Latin Literature "W" (5)	
CLA 3304 Latin Literature Pre-Modern Christian (3)	
COM 1101 Introduction to Interpersonal Communication (5)	
COM 1321 Public Speaking (5)	
EDRD 4516 Children's Literature (3)†	
EDRD 4517 Young Adult Literature (3)†	
ENG 1110 Literature and Faith (5)	
ENG 2230 Literature of the 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 Literature (5)	
EUR 1110 Heritage of Europe (5)	
EUR 3287 Mythology in Literature "W" (5)	
EUR 3500 European Civilization (5)	
EUR 4912 Russian People, Cultures, and Literature (6)	
FRE 2101, 2102, 2103 Niveau Intermediaire (5 each)	
FRE 3105 Composition Conversation (3)	
FRE 3205 Topics in French Literature (5)	
GER 2101, 2102, 2103 Intermediate German (5 each)	
GER 3206 Topics in German Language and Literature (5)	
GRK 4920 Readings in Classical Greek (3-6)	
HUM 3000 Other Peoples, Other Faiths (5)	
HUM 3111 African Literature (6)	
LAT 4920 Readings in Classical Latin (3-6)	
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 1100 Faith and Philosophy (5)	
PHI 2500 Philosophy of Science (3)	
PHI 2999 Aesthetics (3)	
RUS 2207 Modern Russian Culture Through Literature (5)	
SPN 2101, 2102, 2103 Intermediate Spanish (5 each)	
SPN 4401 Topics in Spanish Literature (3)	
SPN 4501 Topics in Latin American Literature (3-5)	

†Only elementary education certification students may take EDRD 4516 or 4517 toward humanities credit.

C. One Additional Course in a Third Arts or Humanities Subject	3 credits 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
Choose from among the following courses:	
ANT 1110 General Anthropology (5)	
ANT 2250 Cultural Anthropology (5)	
PSY 1180 General Psychology (5)	
SOC 1110 Introduction to Sociology (5)	
SOC 2310 Foundations of Social Service (5)	

B. Economics, Geography, History, Political Science	5
Choose from among the following courses:	
ECN 1100 Fundamentals of Economics (5)	
ECN 2101 Microeconomics (5)	
ECN 2102 Macroeconomics (5)	
GEO 1110 World Regional Geography (5)	
GEO 2207 Economic Geography (5)	
GEO 3170 Geopolitics (POL 3170) (5)	
GEO 3677 Nature of Cities (5)	
HIS 1200 Ancient and Medieval Worlds (5)	
HIS 2491 Origins of Western Science (5)	
HIS 2492 Foundations of Modern Science (5)	
HIS 2502 The U.S. to 1876 (5)	
HIS 2503 The U.S. Since 1876 (5)	
HIS 3335 Iberian Civilization and Culture (5)	
HIS 3345 Modern Russia (POL 3345) "W" (5)	
HIS 3440 International Peace and World Order (POL 3440) (5)	
HIS 3501 Colonial and Revolutionary America "W" (5)	
HIS 3670 American Foreign Relations (POL 3670) "W" (5)	
HIS 3710 Comparative Non-Western History "W" (5)	
HIS 3720 Rise of Islamic Civilization "W" (5)	
HIS 3730 Modern Middle East "W" (5)	
HIS 3765 Traditional East Asia (5)	
HIS 3785 Modern East Asia (5)	
POL 1110 Introduction to Politics (5)	
POL 1120 American Government and Politics (5)	
POL 2330 International Relations (5)	
POL 2641 Christianity and American Politics (5)	
SBS 3130 African History and Culture (6)	
SBS 4902 History, Culture, and Geography (5)	
SBS 4912 People and Culture (6)	
SBS 4918 History, Contemporary Issues, and Perspectives (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: Animal Biology (5)	
BIO 1100 Biological Science: Human Nutrition (5)	
BIO 1100 Biological Science: Human Biology (5)	
BIO 1100 Biological Science: Biological Diversity (5)	
BIO 1100 Biological Science: Marine Biology (5)	
BIO 1100 Biological Science: Environment (5)	
BIO 2101, BIO 2102, BIO 2103 General Biology (5 each)	
BIO 2129, BIO 2130 Anatomy and Physiology (5 each)	
B. Physical Sciences	5
Choose from among the following courses:	
CHM 1100 Introduction to Chemistry (5)	
CHM 1110 Introduction to Nature of Science (PHY 1110) (5)	
CHM 1211 General Chemistry I (5)	
CHM 1212 General Chemistry II (5)	
CHM 1330 Organic and Biological Chemistry (5)	
CHM 2540 Introductory Inorganic Chemistry (5)	
PHY 1101, PHY 1102, PHY 1103 General Physics (5 each)	
PHY 1121, PHY 1122, PHY 1123 Physics for Science and Engineering (5 each)	
PHY 1135 Astronomy (5)	
PHY 1140 The Physics of Sound (5)	
PHY 1142 Earth Systems Sciences (5)	
PHY 1145 Oceanography (5)	
PHY 1150 Introduction to Geology (5)	
Mathematics (MA)	
5 credits	
Choose from among the following courses:	
BUS 2700 Statistics for Business and Economics (5)	
HSC 4044 Biomedical Tests, Measurements, and Statistics (5)	
MAT 1221 Survey of Calculus (5)	
MAT 1225 Calculus I (5)	
MAT 1360 Introduction to Statistics (5)	
MAT 1521 Introduction to Contemporary Math (5)	
MAT 2530 Survey of Mathematics I** (3)	

MAT 2531 Survey of Mathematics II** (2)	
SOC 2360 Introduction to Statistics in SBS (PSY 2360) (5)	

**For education certification students only: Taken prior to, or concurrently with, Professional Quarter Two.

University Scholars

*University Scholars program is for students who have been invited into this special program.

University Scholars Program	
51 credits	
U Scholars Courses	
36-38 credits	
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 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
Including one lab science course	5
Foundations	
15 credits	
UFDN 1000 Christian Formation	5
UFDN 2000 Christian Scriptures	5
UFDN 3100 Christian Theology	5

*Maximum 4 credits total between USCH 4960 and USCH 4965.

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 major is required for completion of either the bachelor of arts or bachelor of science degree.
3. A transfer student must earn a minimum of 15 upper-division credits in a major 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 specify 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.

- 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*.
- Coursework with a P or a grade below C- (1.7) will not be applied to a minor.
- A transfer student must earn a minimum of 15 credits in a minor at SPU, 10 credits of which must be in upper-division courses.
- In all cases it is necessary to apply for, and be accepted for, the minor field. This determines the *Undergraduate Catalog* under which minor requirements will be applied.
- 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.
- 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

- Seattle Pacific University may accept up to 90 credits combined total from community colleges, junior colleges, unaccredited Bible colleges or institutes, and AP/CLEP/PEP/IB exams toward a baccalaureate degree. See limits under Credit by Exam.
- A student may earn up to 10 credits toward a baccalaureate degree in skills courses approved by the Undergraduate Policies and Evaluation Committee.
- 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.
- Credits in excess of 45 taken as a non-matriculated student will not apply toward an undergraduate degree.
- 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:

- At least 15 of the 45 credits for the second degree must be taken at SPU.
- At least 15 upper-division credits in the major must be earned at SPU.
- 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 required for the first degree (usually 180 credits).

If the first degree was earned at another institution:

- A student who at some prior point matriculated at SPU must have at least 30 of the required 45 credits earned at SPU.
- No more than 15 credits taken as a non-matriculated student may apply toward the additional bachelor's degree.
- A student who has not previously matriculated at SPU must earn at least 45 credits toward the second degree at SPU.
- At least 15 upper-division credits in the major must be earned at SPU.
- 5 credits in Christian Scriptures or Christian theology must be completed at SPU.
- 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 under Specific Standards Governing the Completion of a Major.

Graduation Checklist

Students may wish to track their progress toward graduation by consulting their quarterly grade reports, along with the Common Curriculum and Exploratory Curriculum sections of the *Undergraduate Catalog*, and filling out the appropriate completed courses on the graduation requirements checklist on the following pages.

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 above under Graduation Requirements. This alternative curriculum replaces only the University Core courses and Exploratory Curriculum.

University Foundations

15 credits	
University Foundations 1000 Christian Formation	5
University Foundations 2000/3001 Christian Scriptures	5
University Foundations 3100 Christian Theology	5

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

General Education Requirements

55–70 credits	
Foreign Language (FL)	0–15
SPN 1105 or fulfillment of requirements listed under Foreign Language Competency.	

Note: R.N.B. and electrical engineering students are exempt from this requirement.

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)	

Social Sciences (SS)	
15 credits	

A. Anthropology, Psychology, Sociology	
5	
Choose from among the following courses:	
ANT 1110 General Anthropology (5)	
ANT 2250 Cultural Anthropology (5)	
PSY 1180 General Psychology (5)	
SOC 1110 Introduction to Sociology (5)	
SOC 2310 Foundations of Social Service (5)	

B. Economics, Geography, History, Political Science	
5	
Choose from among the following courses:	
ECN 1100 Fundamentals of Economics (5)	
ECN 2101 Microeconomics (5)	
ECN 2102 Macroeconomics (5)	
GEO 1110 World Regional Geography (5)	
GEO 2207 Economic Geography (5)	
GEO 3170 Geopolitics (POL 3170) (5)	
GEO 3677 Nature of Cities (5)	
HIS 1200 Ancient and Medieval Worlds (5)	
HIS 2491 Origins of Western Science (5)	
HIS 2492 Foundations of Modern Science (5)	
HIS 2502 The U.S. to 1876 (5)	
HIS 2503 The U.S. Since 1876 (5)	
HIS 3335 Iberian Civilization and Culture (5)	
HIS 3345 Modern Russia (POL 3345) "W" (5)	

HIS 3440 International Peace and World Order (POL 3440) (5)	
HIS 3501 Colonial and Revolutionary America "W" (5)	
HIS 3670 American Foreign Relations (POL 3670) "W" (5)	
HIS 3710 Comparative Non-Western History "W" (5)	
HIS 3720 Rise of Islamic Civilization "W" (5)	
HIS 3730 Modern Middle East "W" (5)	
HIS 3765 Traditional East Asia (5)	
HIS 3785 Modern East Asia (5)	
POL 1110 Introduction to Politics (5)	
POL 1120 American Government and Politics (5)	
POL 2330 International Relations (5)	
POL 2641 Christianity and American Politics (5)	
C. Choose one additional class from the two lists above	5
Natural Sciences (NS)	
15 credits	
A. Biological Science	5
Choose from among the following courses:	
BIO 1100 Biological Science: Animal Biology (5)	
BIO 1100 Biological Science: Human Nutrition (5)	
BIO 1100 Biological Science: Human Biology (5)	
BIO 1100 Biological Science: Biological Diversity (5)	
BIO 1100 Biological Science: Marine Biology (5)	
BIO 1100 Biological Science: Environment (5)	
BIO 2101, BIO 2102, BIO 2103 General Biology (5 each)	
BIO 2129, BIO 2130 Anatomy and Physiology (5 each)	
B. Physical Sciences	5
Choose from among the following courses:	
CHM 1100 Introduction to Chemistry (5)	
CHM 1110 Introduction to Nature of Science (PHY 1110) (5)	
CHM 1211 General Chemistry I (5)	
CHM 1212 General Chemistry II (5)	
CHM 1330 Organic and Biological Chemistry (5)	
CHM 2540 Introductory Inorganic Chemistry (5)	
PHY 1101, PHY 1102, PHY 1103 General Physics (5 each)	
PHY 1121, PHY 1122, PHY 1123 Physics for Science and Engineering (5 each)	
PHY 1135 Astronomy (5)	
PHY 1140 The Physics of Sound (5)	
PHY 1142 Earth Systems Sciences (5)	
PHY 1145 Oceanography (5)	
PHY 1150 Introduction to Geology (5)	
C. Mathematics	
5 credits	
Choose from among the following courses:	
BUS 2700 Statistics for Business and Economics (5)	
HSC 4044 Biomedical Tests, Measurements, and Statistics (5)	
MAT 1221 Survey of Calculus (5)	
MAT 1225 Calculus I (5)	
MAT 1360 Introduction to Statistics (5)	
MAT 1521 Introduction to Contemporary Math (5)	
MAT 2530 Survey of Mathematics I** (3)	
MAT 2531 Survey of Mathematics II** (2)	
SOC 2360 Introduction to Statistics in SBS (PSY 2360) (5)	
Arts and Humanities (AH)	
20 credits	
A. Arts	10
Choose from among the following courses:	
ART 1102 Drawing Studio (5)	
ART 1103 Drawing Studio (5)	
ART 1104 Drawing Studio (5)	
ART 1180 The Visual Arts (5)	
ART 2302 Painting Studio-Oil (3)	
ART 2422 Metals Studio (3)	
ART 3602 History of Ancient Art (5)	
ART 3603 History of Christian Art (5)	
ART 3604 History of Renaissance Art (5)	
ART 3605 History of Modern Art (5)	
ART 3606 History of Asian Art (5)	
ART 3607 History of American Art (5)	
EUR 3100 Foundations of European Art (2)	
FCS 1710 Design Fundamentals (5)	

FCS 2870 Seeing History Through Clothes (5)	
FCS 3870 History of Costume "W" (5)	
MUS 1600 Exploring and Understanding Music (5)	
MUS 1250, 1251 Keyboard Class (2)	
MUS 1260, 1261 Class Instruction: Voice (2)	
MUS 2305 or MUS 4305 Women's Choir** (2)	
MUS 2311 or MUS 4311 Jazz Ensemble** (1)	
MUS 2312 or MUS 4312 Men's Choir** (2)	
MUS 2313 or MUS 4313 Vocal Jazz Ensemble** (1)	
MUS 2340 or MUS 4340 Chamber Ensemble: Gamelan* (5)	
MUS 2350 or MUS 4350 Concert Choir** (2)	
MUS 2351 or MUS 4351 Symphonic Wind Ensemble** (2)	
MUS 2353 or MUS 4353 Symphony Orchestra** (2)	
MUS 2604 Soundscape (5)	
MUS 2605 Survey of Popular Music (5)	
MUS 2654 World Music* (3)	
and MUS 2655 World Music Lab* (2) (taken concurrently)	
MUS 3401 Music and Worship (2)	
MUS 3602 Magic of Opera (5)	
MUS 4401 Song of the Church (3)	
MUS 4402 History and Appreciation of Jazz (5)	
TRE 1110 The Theatre Experience (5)	
TRE 3780 (COM 3780) Introduction to Film (5)	
TRE 1310 The Actor's Art (5)	
TRE 1340 Acting I: Fundamentals (5)	
TRE 1930, 3930 Performance Practicum** (2)	
TRE 1931, 3931 Production Practicum** (2)	
TRE 2420 Theatre and Drama: Tragedy (5)	
TRE 2421 Theatre and Drama: Comedy (5)	
TRE 3780 (COM 3780) Introduction to Film (5)	

B. Humanities

10	
Choose courses from among the following:	
CLA 3100 Ancient Civilization (HIS 3100) (5)	
CLA 3104 Survey of Ancient Greek Literature (5)	
CLA 3170 Classical Civilization (HIS 3170) (5)	
CLA 3204 Survey of Classical Latin Literature "W" (5)	
CLA 3304 Latin Literature Pre-Modern Christian (3)	
COM 1101 Introduction to Interpersonal Communication (5)	
COM 1321 Public Speaking (5)	
ENG 1110 Literature and Faith (5)	
ENG 2230 Literature of the American West (5)	
ENG 2234 Literature by Women (5)	
ENG 2248 New International Fiction (5)	
ENG 3334 American Ethnic Literature (5)	
EUR 1110 Heritage of Europe (5)	
EUR 3287 Mythology in Literature "W" (5)	
FRE 2101, 2102, 2103 Niveau Intermediaire (5 each)	
FRE 3105 Composition Conversation (3)	
FRE 3205 Topics in French Literature (5)	
GER 2101, 2102, 2103 Das Zweite Jahr (5 each)	
GER 3206 Topics in German Language and Literature (5)	
GRK 4920 Readings in Classical Greek (3–6)	
HUM 3000 Other Peoples, Other Faiths (5)	
LAT 4920 Readings in Classical Latin (3–6)	
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 1100 Faith and Philosophy (5)	
PHI 2500 Philosophy of Science (3)	
PHI 2999 Aesthetics (3)	
RUS 2207 Modern Russian Culture Through Literature (5)	
SPN 2101, 2102, 2103 Intermediate Spanish (5 each)	
SPN 4401 Topics in Spanish Literature (3)	
SPN 4501 Topics in Latin American Literature (3–5)	
UCOR 3000 Belief, Morality, and Modern Mind (5)	

*Must take both lecture and lab simultaneously to fulfill category requirements.

**May be repeated for up to 6 credits toward general education requirements.

Seattle Pacific University 2005–2006 Graduation Requirements Checklist



Name _____ SPU ID # _____ Class at Admission / Re-Admission _____

Major _____ Minor _____ Faculty Advisor(s) _____

Checklist prepared by _____ Date _____ Reflects coursework completed through _____

Check off each box when requirement is completed.

Degree Requirements

Minimum 180 total college-level credits

- At least 45 credits must be completed at SPU as a matriculated student, including the last 15 credits.

Date _____ /180

Date _____ /180

Date _____ /180

Minimum 60 upper-division credits

- Courses numbered 3000–4999

Date _____ /60

Date _____ /60

Date _____ /60

All classes in major* complete

All classes in minor* complete
Minor not required for graduation.

*See specific requirements in the Baccalaureate Degree Requirements section of the *2005–2006 Undergraduate Catalog*.

Math and Writing Competencies

Math Proficiency Test passed, exempt or ALL required credits completed:
Date _____ Credits remaining _____

Writing Placement Test passed, exempt or ALL required credits completed:
Date _____ Credits remaining _____

Foreign Language Competency

See requirements in the SPU Undergraduate Catalog.

Complete Incomplete

"W" Writing Requirements

Total credits required prior to graduation, based on entry status:
Freshman or Sophomore — 8 credits
Junior — 5 credits; Senior — 3 credits
(These credits are 3000–4999 level.)

_____	_____
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_____	_____
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Common Curriculum

I. University Seminar (5 credits)

<input type="checkbox"/> USEM 1000	_____	_____
---	-------	-------

II. University Core I, II, III (15 credits)

<input type="checkbox"/> UCOR 1000	_____	_____
---	-------	-------

<input type="checkbox"/> UCOR 2000	_____	_____
---	-------	-------

<input type="checkbox"/> UCOR 3000	_____	_____
---	-------	-------

III. University Foundations I, II, III
(10–15 credits)

Status at entry to SPU:
Freshman or Sophomore — UFDN I, II, and III
Junior or Senior — UFDN II* and III

<input type="checkbox"/> UFDN 1000 Christian Formation	_____	_____
--	-------	-------

<input type="checkbox"/> UFDN 2000* Christian Scriptures	_____	_____
--	-------	-------

<input type="checkbox"/> UFDN 3100 Christian Theology	_____	_____
---	-------	-------

*Students admitted as juniors or seniors should take the upper-division version of UFDN 2000, numbered UFDN 3001.

Exploratory Curriculum

Refer to the Baccalaureate Degree Requirements section of the *2005–2006 Undergraduate Catalog* for lists of acceptable courses.

Arts and Humanities (AH)

A–C: 15 credits required if pursuing a bachelor of arts degree.

A–B: 10 credits required if pursuing a bachelor of science degree.

A. Arts: art, music, theatre — 3 credits minimum

_____	_____
-------	-------

B. Humanities: classics, communication, English, European studies, philosophy — 3 credits minimum

_____	_____
-------	-------

C. One additional course in a different discipline — 3 credits minimum (for students pursuing a B.A. degree)

_____	_____
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Social Sciences (SS)
(10 credits)

A. Anthropology, psychology, sociology — 5 credits

<input type="checkbox"/>	_____	_____
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B. Economics, geography, history, political science — 5 credits

<input type="checkbox"/>	_____	_____
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Natural Sciences (NS)

A–C: 15 credits required if pursuing a bachelor of science degree.

A–B: 10 credits required if pursuing a bachelor of arts degree.

A. Biological sciences — 5 credits

<input type="checkbox"/>	_____	_____
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B. Physical sciences — 5 credits

<input type="checkbox"/>	_____	_____
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C. One additional science course — 5 credits (for students pursuing a B.S. degree)

<input type="checkbox"/>	_____	_____
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Mathematics (MA)
(5 credits)

<input type="checkbox"/>	_____	_____
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Notes to student:

Seattle Pacific University | University Scholars 2005–2006 Graduation Requirements Checklist



Name _____ SPU ID # _____ Class at Admission / Re-Admission _____

Major _____ Minor _____ Faculty Advisor(s) _____

Checklist prepared by _____ Date _____ Reflects coursework completed through _____

Check off each box when requirement is completed.

Degree Requirements

Minimum 180 total college-level credits

- At least 45 credits must be completed at SPU as a matriculated student, including the last 15 credits.

Date _____ /180

Date _____ /180

Date _____ /180

Minimum 60 upper-division credits

- Courses numbered 3000–4999

Date _____ /60

Date _____ /60

Date _____ /60

All classes in major* complete

All classes in minor* complete
Minor not required for graduation.

*See specific requirements in the Baccalaureate Degree Requirements section of the *2005–2006 Undergraduate Catalog*.

Math and Writing Competencies

Math Proficiency Test passed, exempt or ALL required credits completed:
Date _____ Credits remaining _____

Writing Placement Test passed, exempt or ALL required credits completed:
Date _____ Credits remaining _____

Foreign Language Competency

See requirements in the SPU Undergraduate Catalog.

Complete Incomplete

"W" Writing Requirements

Total credits required prior to graduation, based on entry status:
Freshman or Sophomore — 8 credits
Junior — 5 credits; Senior — 3 credits
(These credits are 3000–4999 level.)

_____	_____
-------	-------

_____	_____
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Foundations Requirements

(15 credits required)

<input type="checkbox"/> UFDN 1000 Christian Formation	_____	_____
--	-------	-------

<input type="checkbox"/> UFDN 2000 Christian Scriptures	_____	_____
---	-------	-------

<input type="checkbox"/> UFDN 3100 Christian Theology	_____	_____
---	-------	-------

Honors Course Requirements

(36–38 credits)

Seminar (5 credits)

<input type="checkbox"/> USCH 1000	_____	_____
---	-------	-------

Core (25 credits)

<input type="checkbox"/> USCH 1111	_____	_____
---	-------	-------

<input type="checkbox"/> USCH 1112	_____	_____
---	-------	-------

<input type="checkbox"/> USCH 1113	_____	_____
---	-------	-------

<input type="checkbox"/> USCH 3910	_____	_____
---	-------	-------

<input type="checkbox"/> USCH 4910	_____	_____
---	-------	-------

Project (6 credits)

USCH 4950 (2 credits)

<input type="checkbox"/>	_____	_____
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Note: 4 credits total between **USCH 4960** and **USCH 4965**.

USCH 4960 (0–2 credits)

<input type="checkbox"/>	_____	_____
--------------------------	-------	-------

USCH 4965 (2–4 credits)

<input type="checkbox"/>	_____	_____
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Additional Requirement

Lab Science Course (5 credits)*

PHY 1101, PHY 1111 or PHY 1121

<input type="checkbox"/>	_____	_____
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*This requirement is waived for students who take the first-year sequence for the biology or chemistry major and for nursing majors who take anatomy and physiology and microbiology.

Notes to student:

2005–2006 Graduation Requirements Checklist



R.N.B. Professional Studies Evening Electrical Engineering

Name _____ SPU ID # _____ Class at Admission / Re-Admission _____

Major _____ Minor _____ Faculty Advisor(s) _____

Checklist prepared by _____ Date _____ Reflects coursework completed through _____

Check off each box when requirement is completed.

Degree Requirements

Minimum 180 total college-level credits

- Courses numbered 1000–4999.
- At least 45 credits must be completed at SPU as a matriculated student, including the last 15 credits.

Date _____ /180

Date _____ /180

Date _____ /180

Minimum 60 upper-division credits

- Courses numbered 3000–4999

Date _____ /60

Date _____ /60

Date _____ /60

All classes in major* complete

All classes in minor* complete
Minor required for professional studies only.

*See specific requirements in the Baccalaureate Degree Requirements section of the 2005–2006 Undergraduate Catalog.

Math and Writing Competencies

Math Proficiency Test passed, exempt or ALL required credits completed:
Date _____ Credits remaining _____

Writing Placement Test passed, exempt or ALL required credits completed:
Date _____ Credits remaining _____

"W" Writing Requirements

Total credits required prior to graduation, based on entry status:
Freshman or Sophomore — 8 credits
Junior — 5 credits; Senior — 3 credits
(These credits are 3000–4999 level.)

Foundations Requirements

III. University Foundations I, II, III

(10–15 credits)
Status at entry to SPU:
Freshman or Sophomore — UFDN I, II, and III
Junior or Senior — UFDN II* and III

UFDN 1000
Christian Formation

UFDN 2000/3001*
Christian Scriptures

UFDN 3100
Christian Theology

*Students admitted as juniors or seniors should take the upper-division version of UFDN 2000, numbered UFDN 3001.

General Education Requirements

Foreign Language (FL) (0–15 credits)

SPN 1105 or fulfillment of requirements listed in *Catalog* under "Foreign Language Competency."

Composition (CMP) (3 credits)

Social Sciences (SS) (15 credits)

Choose from SSA and/or SSB lists.

Natural Sciences (NS) (10 credits)

A. Biological Sciences (5 credits)

B. Physical Sciences (5 credits)

Mathematics (MA) (5 credits)

Arts and Humanities (AH) (20 credits)

A. Arts: art, music, theatre (10 credits)

B. Humanities: classics, communication, English, European studies, philosophy (10 credits)

Notes to student:

Academic Program



How to Read Catalog Course Information

The following information is provided to help you understand course listings:

Subject Code: This contains the abbreviation of the discipline of the class, (e.g., MAT for mathematics).

Subject Number: This is the course number that accompanies the discipline. Courses numbered 0001–0999 are used to designate continuing education units or courses offered for credit that are not applicable toward a degree. Courses numbered 1000–2999 are designed primarily for freshmen and sophomores, and courses numbered 3000–3999 are designed primarily for juniors. Courses numbered 4000–4999 are primarily for seniors, but may also be suitable for fifth-year and other post-baccalaureate students. Courses numbered 5000–5999 are considered primarily for professional development and cannot be applied toward fulfillment of an undergraduate degree. Courses numbered 6000–6999 are designed for master's degree programs and 7000–7999 for doctoral degree programs. Note: 3000- and 4000-level courses fulfill upper-division degree requirements.

Title: Title of the course. In the *Undergraduate Catalog*, a title that has a "-M" means this course is only taught via media.

Credit: Lists the number of quarter credit hours granted for the class. Variable credit classes will be listed with a hyphen or comma, e.g., 3–5 (3 to 5); 3,5 (3 or 5). Students need to determine the number of credits they wish to earn for the class at the time of registration.

Description: A statement that provides information about the course. Some courses will contain additional information related to prerequisites, course fees, or distance-learning options known as media (e.g., cassette, videocassette, television). Prerequisites need to be fulfilled prior to registering for the listed course.

Repeat Limits: Courses that may be repeated for credit state the number of times the course may be repeated or the maximum number of repeatable credits. Courses that have been identified as repeatable will appear multiple times on a transcript and will have the credits and GPAs calculated into the quarterly and cumulative grade point information until the limit has been reached. Once reached, the repeat rules on page 49 will be applied.

Corequisite: Classes noted as corequisites require concurrent registration with the original listing. Students must enroll during the same quarter for all courses listed as corequisites.

Course Equivalent: Classes noted as equivalent mean the courses are the same and that students will not receive credit toward graduation if they enroll in both courses. However, equivalent courses may substitute for one another during the degree audit process or when repeating a class (see repeat rules, page 49).

Attributes: This information details how the course will be applied when conducting a graduation evaluation (degree audit). Attributes include writing courses or courses that may be taken via media.

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.

Sample Course Description

(For illustration purposes only.)

Credits	Subject Code and Number	Title	Description	Course Equivalent	Repeat Limit	Attributes	Registration Restriction
(1–5)	ENG 4940	Coop Education: English Internship	Registration Approval: Intern Learning Contract required. 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. <u>May be repeated</u> for credit up to 6 credits. <u>Course Equivalent:</u> JRN 4940 <u>Class not open to</u> freshmen and sophomores. <u>Attributes:</u> Writing Course.				

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
University Scholars Program

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.)

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

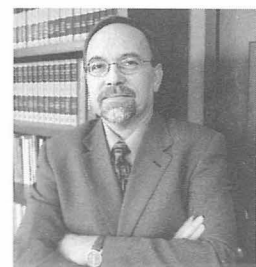
Advanced R.N. Practitioner (School of Health Sciences)
Principal Certification (School of Education)
Nurse Practitioner Pathways (School of Health Sciences)
Alternative Certification (School of Education)
Superintendent Certification (School of Education)

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

"At Seattle Pacific, we believe nothing is more valuable than an education grounded in the Christian faith, deepened by the liberal arts, expressed in the professions, and engaged in the culture in order to change the world."

Les Steele

Vice President for Academic Affairs



The Common Curriculum

Cynthia Price, Associate Vice President for Curriculum and Assessment

The Common Curriculum, which includes eight required courses spread over four years, is at the heart of a liberal arts education at Seattle Pacific University. SPU students begin the Common Curriculum in the first quarter of their freshman year with University Seminar, an intensive exploration of a special interdisciplinary topic. The maximum of 20 students enrolled in each course form a "cohort" and attend other freshman classes in the Common Curriculum together. Their University Seminar professor serves as their academic advisor. In their freshman, sophomore, and junior years at Seattle Pacific, students participate in two parallel sequences of required courses. As students move through the three University Core courses, they address key questions that pervade human life: "Who am I?" "From where have I come?" and "How do I know and act?" As they confront these perennial human questions through the study of human culture, history, and thought, students are challenged to understand themselves, their heritage and traditions, and the world from the perspective of the Christian faith.

The three University Foundations courses are centered in the foundations of faith: Christian formation, which explores the lived experience of faith; Christian Scriptures, which provides a way of conceptualizing, reading, and practicing the truth of Scripture as the authority for Christian formation; and Christian theology, which reflects upon the relationship between God and humankind as expressed in the Scriptures and experienced in a life of faith. Each course in the University Core and University Foundations sequences includes common texts and objectives in order to ensure common learning.

All members of the community are encouraged to join in the common conversations around these works through Chapel programs, lectures, concerts, and other community events. Through shared experiences in a committed community of learners, the liberal arts at Seattle Pacific University has as its aim the formation of Christian character, which is evident in qualities of heart, mind, and action.

UCOR 1000 The Arts and the Christian Community (5) This course considers the question "Who am I and for what have I been created?" Through examining literary and artistic works that have shaped cultures past and present, it explores how we are created to be unique persons and to be in community with others. Key themes are artistic ways of knowing individualism, conformity, and faith as a formative virtue. Attribute: University Core. Class open to freshmen.

UCOR 2000 The West and the World (5) 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. Attribute: University Core. Class not open to freshmen.

UCOR 3000 Belief, Morality, and Modern Mind (5) 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. Attributes: University Core; and Upper-Division. Class open to juniors and seniors.

UFDN 1000 Christian Formation (5) This course introduces the processes and practices of Christian formation, as reflected throughout the history of the Christian church. Christian life is formed by distinctive beliefs, practices, attitudes, and virtues. Every student, regardless of religious background, will engage texts, written and non-written, ancient and modern, that foster these characteristics of the Christian life. Attribute: Foundation. Class open to freshmen and sophomores.

UFDN 2000 Christian Scriptures (5) 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. Course equivalent: UFDN 3001. Attribute: Foundation. Class not open to freshmen.

UFDN 3001 Christian Scriptures (5) This course is only open to transfer students who begin their studies at SPU as juniors or seniors. 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. May be repeated for credit 0 times. Course equivalent: UFDN 2000. Attributes: Foundation; and Upper-Division. Class open to juniors and seniors.

UFDN 3100 Christian Theology (5) Prerequisites: UFDN 1000 and UFDN 2000 or 3001. This course studies the basic doctrines and practices of historic Christianity, such as the being, attributes, and workings of the Triune God; the nature, fallenness, and redemption of human beings; the character and mission of the church; the disciplines and duties of personal faith; and the hope for "last things." Attention will be given to major formative events and key persons in the history of the church that have helped to shape what Christians believe and how they live. Attributes: Foundation; and Upper-Division. Class not open to freshmen.

USEM 1000 University Seminar (5) This seminar introduces first-year college students to the liberal arts at a Christian university through the investigation of a special topic. Students will write, speak, and practice critical thinking; participate in group projects; and use electronic and print learning resources. As an introduction to university life, the seminar helps students explore the meaning of Christian vocation and develop a love of learning. Seminar instructors will serve as faculty advisor to students in their seminar through the freshman year. Descriptions of particular seminars are available in the yearly class schedule. Attribute: University Seminar. Class open to freshmen.

USEM 3000 University Seminar (5) Registration approval: Instructor. This seminar introduces professional studies program students to the liberal arts at a Christian university through the investigation of a special topic. Students will write, speak, and practice critical thinking, participate in group projects, and use electronic and print learning resources. As an introduction to university life, the seminar helps students explore the meaning of Christian vocation and develop a love of learning.

USEM 4930 Practicum: Mentoring Freshmen (1-5) Registration approval: Instructor. Serve as a mentor to freshmen in a University Seminar class under the direction of faculty. May be repeated for credit two times. Attribute: Upper-Division. Class not open to freshmen and sophomores.

University Scholars

(The Honors Program)
www.spu.edu/acad/univ-scholars/

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, 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.

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 Courses	
University Scholars	
36 credits	
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 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
Including one lab science course	5
A maximum of 4 credits 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	51

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.

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 *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.

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 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 state-

ment 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.

USCH 4960 Honors Project I (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.

Special Programs

Internships, ROTC, Senior Citizen Program, Special Studies, Study Abroad, Study Programs, Visit/Transfer Programs

Internship Program

Internships seek to integrate academic theory with practical work experience. Designed to be an integral part of students' academic programs, the Internship program allows students to earn credits for learning gained in a work setting. Careful supervision of students' progress toward learning objectives is a key component of an internship, and a successful experience is built on a partnership between the student, faculty sponsor, and employer. Students participate in internships for career exploration, as well as to gain essential professional experience. Internship experiences facilitate students' growth in skills such as communication, problem solving, and analysis, as well as growth in skills specific to professional disciplines. Internships may be paid or unpaid. In either case, it is the quality of the placement and supervision and the emphasis on students' development of critical thinking and other skills that distinguish internships from other part-time or volunteer work programs. Minimum requirements for participating in the Internship program include matriculation at the University and completion of one quarter of coursework. Each school sets specific prerequisites for participation in internships. Generally 30 hours of internship work equate to 1 academic credit. Internship opportunities may be at accounting firms, advertising agencies, banks, high-tech companies, medical research labs, performing arts organizations, retail stores, schools, human-service agencies, and many other types of organizations. Postings of internship opportunities and information about how students can be involved are available in the Career Development Center. Interested students should address inquiries to the Career Development Center, located in the Student Union Building, second floor. They can send mail to the Career Development Center, Seattle Pacific University, 3307 Third Ave. W., Suite 216, Seattle, WA 98119-1950; call (206) 281-2485, or visit its Web page at www.spu.edu/depts/cdc.

ROTC Programs

ROTC programs are offered to SPU students via cross-town agreements with the University of Washington. Seattle Pacific University accepts 20–24 quarter credits from an approved ROTC program toward the 180 required to graduate — up to 3 credits each from the freshman and sophomore sequences, and up to 9 credits each from the junior and senior sequences. If a student drops out of the program, the ROTC credits do not apply toward graduation. Upon completion of a ROTC program, the student is responsible for requesting official transcripts for the SPU registrar's office.

Air Force: Aerospace Studies

Air Force Reserve Officer Training Corps (AFROTC) is offered to SPU students through an agreement with the University of Washington. All classes are taught at University of Washington, Clark Hall #220. The Air Force ROTC program is designed to motivate, educate, and commission highly qualified students for active duty as officers in the U.S. Air Force. The curriculum develops the professional knowledge in both theory and application that an Air Force officer needs to be an effective manager and leader in the aerospace environment.

Air Force: General Military Courses (GMC)

The basic courses consist of one classroom hour, three hours of physical training, and 90 minutes of leadership laboratory per week during the freshman and sophomore years. Uniforms and textbooks are provided. Students may enter at the start of Autumn, Winter, or Spring Quarter. A four- or six-week field-training course, taken during the summer between the sophomore and junior years, is required for entry into the Professional Officer Course. Students receive pay and travel costs for field training. Except for sophomore cadets on AFROTC scholarship, students incur no active-duty service commitment from enrollment in the GMC, and students may drop the courses at any time.

Air Force Reserve: Professional Officer Course (POC)

Cadets selected for enrollment in POC are enlisted in the Air Force Reserve and receive tax-free monthly subsistence pay of at least \$350. They are furnished texts and uniforms. Junior- and senior-level classes consist of three hours of academic classes, three hours of physical training, and 90 minutes of leadership laboratory per week, in addition to a position within the cadet corps.

AFROTC: General Program Requirements

The freshman- and sophomore-level classes (general military courses) are open to all students attending any two- or four-year college full time. Any male or female student may enroll in these classes. The junior- and senior-level classes (professional officer courses) are open to qualified students who have been competitively selected for entry. For further information contact the unit admissions officer at (206) 543-2360 or write: Unit Admissions Officer, AFROTC Det 910, University of Washington, Box 353830, Seattle, WA 98195-3530. You can also visit the UW AFROTC Web page at depts.washington.edu/afrotc/, or email the UW AFROTC at afrotc@u.washington.edu.

AFROTC: Commissioning Requirements

Students who successfully complete the AFROTC program and receive an academic degree from the University are offered commissions as second lieutenants in the U.S. Air Force. They will serve at least four years in the military.

AFROTC: Financial Assistance

The Air Force offers two- and three-year scholarships to students with a GPA of at least 2.5. Students awarded scholarships from the Air Force ROTC Scholarship Board are eligible for a supplemental room grant. To take advantage of these scholarships, students should apply directly to AFROTC UW (address noted above under General Program Requirements).

AFROTC: Two-Year Program

The AFROTC two-year program is open to graduate students in technical majors and other students who have two years remaining until graduation. Students in this program are required to attend a six-week field-training course at an air force base during the summer preceding program entry. The student is paid during the period. Upon return to the campus, students pursue the professional officer course. Uniform, texts, and at least \$350 monthly subsistence are provided. Two-year scholarships are available for qualified students. Students interested in this program should contact the AFROTC department during October–December prior to the Autumn Quarter they desire to enter.

Army ROTC: Military Science

The Program. Army ROTC is offered to SPU students through an agreement with the University of Washington. The program offers the student several elective options for the attainment of an Army officer's commission in the reserves or in active forces while pursuing the academic degree of his or her choice. Normally, all students participate in one to two classes per week (two to three hours), physical training one to three times per week, three leadership laboratories per quarter, and one overnight field exercise per quarter. The program allows for scholarship assistance for selected students, a monthly stipend for all scholarship and third- and fourth-year students, and attendance at optional summer courses. For further information on this University of Washington program, call (206) 543-9010 or write: Professor of Military Science, University of Washington, Box 353820, Seattle, WA 98195, or send email to ROO@milsci.washington.edu.

Army ROTC: Financial Aid

Cadets receive financial aid in two forms: (1) Two-, three-, and four-year scholarships are awarded annually to cover school expenses. The scholarships pay up to \$16,000 per year toward tuition and fees, and provide a book allowance, as well as a monthly allowance that ranges from \$250 for freshman up to \$450 for seniors; and (2) assistance of a \$350 to \$450 per month allowance to all non-scholarship cadets enrolled in the advanced course. In addition to this aid, students may apply for an SPU ROTC Academic Achievement Award through Student Financial Services.

Army ROTC Commissioning Requirements

To be commissioned in the U.S. Army, a student must graduate with a minimum of a bachelor's degree and complete the military science curriculum, including successful completion of the five-week advanced camp during the summer prior to the senior year.

ROTC Academic Achievement Award

Students who are awarded ROTC scholarships by the Air Force and Army programs described above in this section of the *Catalog* may qualify for an ROTC Academic Achievement Award at Seattle Pacific. The award, which covers room-and-board costs, is offered to qualified top scholars who present a combination of high school grade point average and SAT Combined Math/Verbal Score, which meets University guidelines for this award and who demonstrate commitment to the Christian ideals of Seattle Pacific, including involvement in a local church. The award is renewable for a total of four consecutive years. To apply, contact the SPU Financial Aid Office.

Senior Citizen Program

In keeping with the goal of service, SPU has a program that offers tuition-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 Admissions. Non-matriculating students need only register at Student Academic Services.

Special Studies

Center for Relationship Development, Blakely Island Field Station (marine biology/ecology)

These programs are registered at Seattle Pacific University and taken with SPU faculty.

Center for Relationship Development

Les Parrott and Leslie Parrott, Directors

Even more than academic standing, career prospects, and earnings potential, students are concerned about establishing healthy relational roots. They want to break the cycle of soured relationships they have frequently witnessed and experienced among family or friends. In what may be a first for an American educational institution, Seattle Pacific University has established the Center for Relationship Development (CRD) to help students learn to build healthy, lasting relationships. Initially funded by grants from the Murdock Charitable Trust, the Center is dedicated to fostering positive relationships, whether they be with classmates, roommates, parents, teammates, siblings, bosses, or potential marriage partners. The Center aims to solve relationship problems before they begin. Its efforts focus on three major areas: education, outreach, and research.

Education. Along with Seattle Pacific's School of Psychology, Family, and Community, the Center for Relationship Development annually sponsors two academic courses in relationship development. Relationship Development I focuses on practical principles for building healthy relationships. The class addresses such issues as the meaning of friendship, gender differences, family-of-origin concerns, unconscious relationship needs, and the dating process. Relationship Development II is an advanced course presenting a practical basis for making healthy relational commitments. It focuses on such topics as love, intimacy, mate selection, and the meaning of covenant relationships.

Outreach. The Center for Relationship Development also sponsors special programs designed to meet specific relationship needs. These include the following:

1. **Saving Your Marriage Before It Starts (SYMBIS).** This marriage preparation workshop is offered each spring for engaged and newlywed couples. Topics include "The Myths of Marriage," "Sexuality and Marriage," "Fighting the Good Fight," and "Money Matters."
2. **The Marriage Mentor Club.** A unique feature of the SYMBIS program links participants to married couples who serve as mentors during the newlywed's first married year.
3. **Relationship Emphasis Week.** Each spring, the Center invites a nationally recognized speaker to campus for a series of presentations on relationship issues. Featured guests have included Stephen Arterburn, author of *Addicted to Love*, and Lewis Smedes, author of *Caring and Commitment*. Activities that focus on relationships during this week include Chapel, group, leadership forums, and faculty luncheons.
4. **Research and Evaluation.** The CRD conducts ongoing scholarly research on relationship issues and puts that information to work in its education and outreach efforts. It also continuously evaluates its programs to ensure their effectiveness.

Note: Both PSY 1250 and PSY 2250 must be successfully completed for grades if the student desires to apply these courses toward a psychology major or minor.

Blakely Island Field Station

Tim Nelson, Director, Biology Department
In 1977, the University was given 900 acres of land and granted an open-space conservation easement on another 3,000 acres on Blakely Island, which is in the San Juan archipelago of Northwest Washington. The Blakely Island Field Station serves as the teaching site for upper-division biology courses in marine, aquatic, and terrestrial ecology; and oceanography, introductory biology, and astronomy for non-science majors. Research conducted by faculty and students has included baseline surveys of major island habitats, and the ecology of lakes, marine bays, and forests. See information about the biology major for further information and course descriptions.

Study Abroad

British Isles, Latin America Nursing, European Studies, German, Normandy, Salamanca, South Africa, and Tropical Marine Biology

These programs are registered at Seattle Pacific University and taken with SPU faculty.

British Isles Program

Luke Reinsma, Coordinator, English Department
The British Isles Quarter (BIQ) is a biennial study-abroad program that offers students an opportunity to take regular English courses from an SPU professor while residing and traveling in Great Britain. Professors, courses, and locations vary. For details about upcoming BIQs, visit the English Department Web site at www.spu.edu/depts/eng/.

Latin America Nursing Program

The nursing program offers transcultural experiences for students, both on campus and abroad. Students can apply to take Family and Community Practicum in Costa Rica or Honduras, the Isle of Helena during their senior year. The Costa Rica experience requires proficiency in Spanish; however, a course in medical Spanish is offered on site. English language is used in Honduras, although Spanish is a secondary language on the island.

European Studies

Michael Macdonald, Coordinator, Foreign Language Department
European Quarter is a SPU sponsored study-abroad program held Autumn or Spring Quarter. 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. For details about upcoming European Quarters, visit the Foreign Language Department Web site at www.spu.edu/depts/fll/deptnews.html.

German Studies Program

Michael Ziemann, Coordinator, Foreign Language Department
The German Studies Program is a seven-week summer program that offers students on-site study of the German language, culture, history, and literature for a minimum of 10 credits. Sites are chosen for their cultural and historical significance and have included Berlin, Bad Homburg, and Heppenheim. Excursions to nearby locations are also part of the program.

Normandy Studies Program (France)

Reed Davis, Coordinator, Political Science Department
The Normandy Studies Program is a one-month summer program

that offers students the opportunity to study French and early modern French political thought for 10 credits. There are approximately eight major excursions offered, as well.

Salamanca Program (Spain)

Alberto Ferreira, Coordinator, History Department
Seattle Pacific University and the University of Salamanca is a 10-credit program in history and language. The language program allows students to study Spanish at their own level at the University of Salamanca. It also offers a rich opportunity for travel on weekends to Toledo, Segovia, and other cities, and visits to concerts, art exhibits, and numerous monuments.

Summer Program in South Africa

Kimberly Segall, Coordinator, English Department
This four-week summer program tours several locations in South Africa, including Capetown (once the prison site of Nelson Mandela), Addo Elephant Park, the Garden Route, and the National Arts Festival at Grahamstown. Students will visit museums, attend theatre performances, and participate in a service project. For details see the English Department Web site at www.spu.edu/depts/eng/.

Tropical Marine Biology (Various Locations)

Tim Nelson, Coordinator, Biology Department
This 10-day to two-week study takes place annually between the end of Autumn Quarter and Christmas Eve. Destinations vary either the Caribbean or a site in the Pacific. (For example, the December 2003 tour was in Belize and the 2002 tour was to the Galapagos Islands). The tour typically emphasizes fish, corals, and seaweeds typical of coral reef ecosystems or terrestrial natural history. This study is open to all students; General Education or Exploratory Curriculum credit may be earned in BIO 1100. Students with biology experience may take BIO 4950 for credit. Snorkeling and scuba diving are optional. The course includes a cultural component. In Belize, for example, the Mayan ruins were part of the tour.

Study Programs

American Studies (Washington, D.C.), China Studies, Contemporary Christian Music, Latin American Studies, Film Studies (Los Angeles), Middle East Studies, The Scholars' Semester in Oxford, Russian Studies, Oxford Summer School, Summer Institute of Journalism

Seattle Pacific University is a member of the Council for Christian Colleges and Universities (CCCCU) and the Christian College Consortium (CCC). The purpose of the CCCU and CCC is to promote Christian higher education, and to provide programs for students and professional development opportunities for faculty and administration. All programs are available on the CCCU Web site at www.bestsemester.com. These 12 study programs are semester-based, and students register for them at Seattle Pacific University through the Council for Christian Colleges and Universities program. Applications and information are available at www.bestsemester.com. Registration and course information is available on SPU's Special Programs Web site.

American Studies (Washington, D.C.)

Reed Davis, Coordinator, Political Science Department
Founded in 1976, the American Studies Program (ASP) has served hundreds of students from council-member institutions as a "Washington, D.C., campus." The ASP uses Washington, D.C., as a stimulating educational laboratory where collegians gain hands-on

experience with an internship in their chosen field and explore pressing national and international issues in public policy seminars that are issue-oriented, interdisciplinary, and led by ASP faculty and Washington professionals. Internships are tailored to fit the student's talents and aspirations and are available in a wide range of fields. The ASP bridges classroom and marketplace, combining biblical reflection, policy analysis, and real-world experience. Students are exposed to on-the-job learning that helps them build for their future and gain perspective on the calling of God for their lives. They are challenged in a rigorous course of study to discover for themselves the meaning of Christ's lordship in putting their beliefs into practice. The aim of the program is to help Council schools prepare their students to live faithfully in contemporary society as followers of Christ. Students earn 24 quarter hours of credit.

Australia Studies Center (Sydney)

Don Yanik, Coordinator, Theatre Department
The Australia Studies Centre (ASC) seeks to prepare students to live the Christian life in a world that is religiously and culturally pluralistic, whether in Australia, North America, or other parts of the world. Students are encouraged to think through their role as kingdom builders in a Western world that is increasingly secular both intellectually and culturally. Students are further challenged to grapple with the meaning of being "salt" and "light" in the culture-shaping arena of the professional performing artist. Students earn 24 credits quarter hours of credit.

Contemporary Music (Martha's Vineyard)

Ramona Holmes, Coordinator, Music Department
The Contemporary Music Center offers students the opportunity to spend a semester studying, living, and working with faculty, music industry experts, and other students who share their interest in making and marketing contemporary music. It is a chance to devote serious time to discovering how God would have a student integrate his or her faith, love of music, and the music marketplace.

In addition to core courses investigating the music industry and the intersection of faith and culture, students can choose between the "artist track" or the music "executive track." They will get many hours of hands-on experience, plus lectures, seminars, directed study, and an intensive field experience in Nashville, Tennessee. When not in class, students will be in the studio or in music-business offices. Together with classmates, students will make and market a CD of original music. A complete list of courses can be found in the School of Music section of this *Catalog*. The Center is located on the island of Martha's Vineyard, five miles off the coast of Cape Cod, Massachusetts.

China Studies Program (Xiamen)

Darrell Allen, Coordinator, History Department
The China Studies Program (CSP), which began in the spring of 1999, allows students to engage this large and intriguing country from the inside. While living and experiencing Chinese civilization firsthand, students participate in seminar courses on the historical, cultural, religious, geographical, and economic realities of this strategic and populous nation. In addition to the study of standard Chinese, students will assist Chinese students learning English, allowing for one-on-one interaction. The China Studies program is hosted by Xiamen University located on the beautiful garden island of Xiamen in southeastern China. The program introduces students to the diversity of China with trips to Beijing, Shanghai, Hong Kong, and Xi'an. This interdisciplinary, cross-cultural program of study enables Christian students to deal with this increasingly important part of the world in an informed, Christ-centered way. Students earn 24 quarter hours of credit.

Film Studies Program (Los Angeles)

Kim Gilnett, Coordinator, Fine Arts Department
The Los Angeles Film Studies Center (LAFSC), a program of the Council for Christian Colleges and Universities, offers a semester-long liberal arts exposure to the workings of the film industry, exploring the ethical considerations and cultural influences that arise from the industry's operations and product. Enrollment in the program is competitive and limited to upper-division undergraduates. For those accepted into the program, a block of 24 SPU credits may be earned. Consult the film-studies coordinator for details. The Los Angeles Film Studies Center, located in Burbank, California, provides students a unique opportunity to study the film industry in an "on location" intensified experience. Participants have opportunity to meet working professionals from all aspects of the film industry, to visit facilities found only in Southern California, and to utilize film research libraries unique to the area. The curriculum is intended to appeal to students from a variety of academic disciplines with the intent of providing an interdisciplinary study of film and the film industry, and with a secondary goal of providing opportunity to investigate future academic and/or vocational opportunities.

Latin American Studies Program (San Jose)

Robert Baah, Coordinator, Foreign Language Department
Students of Council member colleges have the opportunity to live and learn in Latin America through the Latin American Studies Program (LASP), based in San Jose, Costa Rica. The program seeks to introduce students to as wide a range of Latin American experiences as possible through the study of language, literature, culture, politics, history, economics, ecology, and religion of the region. Living with a Costa Rican family, students experience and become a part of the day-to-day lives of typical Latin Americans. Students also participate in a service opportunity and travel for three weeks to nearby Latin American nations. In addition to the regular program of interdisciplinary offerings, three specialized academic tracks are available to qualified students: Advance Language and Literature Studies (limited to Spanish majors and offered both Autumn and Spring Quarters), International Business and Management (offered in only Autumn Quarter), and Tropical Sciences (offered only in Spring Quarter). Students in all tracks earn 24 quarter hours of credit.

Middle East Studies Program (Cairo)

Donald Holsinger, Coordinator, History Department
The Middle East Studies Program (MESP) based in Cairo, Egypt, allows Council students to explore and interact with the complex and strategic world of the modern Middle East. The interdisciplinary seminars give student the opportunity to explore the diverse religious, social, cultural, and literary traditions of Middle Eastern people. In addition to seminars, students study the Arabic language and work as volunteers with various organizations in Cairo. Through travel to Israel, Palestine, Jordan, and Turkey, students are exposed to the diversity and dynamism of the region. The MESP encourages and equips students to relate to the Muslim world in an informed, constructive, and Christ-centered manner in a time of tension and change. Students earn 24 quarter hours of credit.

The Scholars' Semester in Oxford (Oxford)

Susan VanZanten Gallagher, Coordinator, English Department
Honors students from the Council for Christian Colleges and Universities have the opportunity to study in England in an interdisciplinary semester at Oxford University in England. The rigorous academic program, aimed at increasing critical-thinking skills and scholarship from a Christian perspective, allows participants to choose from a wide variety of tutorial study programs in numerous disciplines, including the arts, religion, history, literature, and philosophy. In addition to two Oxford tutorials, students participate in a

seminar and an integrative course through which they produce a scholarly project or term paper. Fieldtrips provide opportunities for experiential learning in England's rich historical setting. Students earn 24 quarter hours of credit as a member of Wycliffe Hall and visiting student of Oxford University.

Oxford Summer School (Oxford)

Susan VanZanten Gallagher, Coordinator, English Department
Students spend a summer term studying at the Centre for Medieval and Renaissance Studies (CMRS) of Keble College at Oxford University in England. The program includes multi-disciplinary study of the Renaissance and Reformation through examination of philosophy, art, literature, science, music, politics, and religion of early modern Europe in a choice of lectures, seminars, and fieldtrips. Students earn 9–13.5 quarter credits, which are administered directly to member institutions by CMRS credits.

Russian Studies Program (Moscow)

Katya Nemtchinova, Coordinator, Foreign Language Department
Russian Studies Program (RSP) students are exposed to the depth and diversity of Russian culture during a semester spent in Russia's three largest cities: Moscow, St. Petersburg, and Nizhni Novgorod. In addition to three seminar courses entitled History and Sociology of Religion in Russia, Russian Peoples, Cultures and Literature, and Russia in Transition, students receive instruction in the Russian language, choosing either four or six semester hours of language coursework. For those opting for four hours of Russian, a seminar course entitled International Relations and Business in Russia is available. The RSP strives to give students as wide an experience as possible in this complex nation, beginning with time in Moscow, the heart of both medieval and modern Russia. Students then spend 12 weeks in Nizhni Novgorod, a strategic city on the Volga River. After six weeks of language instruction, students live with a Russian family for the remainder of their stay in this city. Students also participate in a service opportunity in Nizhni Novgorod. The program concludes with a week spent in the complex and intriguing city of St. Petersburg, the Russian "window to the West." Students generally earn 24 quarter hours of credit.

Summer Institute of Journalism (Washington, D.C.)

Rick Jackson, Coordinator, Communication Department
Council campuses are invited to choose two student-journalists to apply for this four-week, all-expenses-paid experience in Washington, D.C. Fifteen students are selected to participate in the institute, which lasts from mid-May to mid-June. The institute blends classroom experience with hands-on work and is an excellent opportunity to learn through lectures and panels with leading journalists who share a strong Christian commitment. Participants also participate in seminars taught by communications professors from Council member institutions, take part in fieldtrips, and complete workshop projects for local newspapers. The course provides valuable insight and training in gathering and writing news, editing copy, and designing layout. The institute seeks to develop students as Christian journalists – exhibiting both professionalism and legal/ethical integrity. Students generally earn 6 quarter hours of credit.

Uganda Studies Program (Mukono)

Kerry Dearborn, Coordinator, School of Theology
The Uganda Studies Program (USP) seeks to prepare students to live the Christian life in a world that is religiously and culturally pluralistic, whether in Africa, North America, or other parts of the world. The USP seeks to introduce student to the dynamic world of the global south, focused in the vibrant East African nation of Uganda. Christianity there is joyful and growing rapidly, even as it engages Islam and secularization. USP students will move through this society first in the classes and dormitories of Uganda Christian

University and then as learners observing places and people of interest around the country. Students earn 24 quarter hours of credit.

Visit/Transfer Programs

Clark Atlanta, Consortium Visitor Program, Daystar, FIT, FIDM, Soongsil University

Students can register for the following programs through SPU agreements. Students interested in one of these programs will meet with the designated contact at SPU, but will register for classes through the institution they visit.

Clark Atlanta College (Atlanta)

Seattle Pacific University and Clark Atlanta College are sister schools. Students are able to study at each institution with the permission of the vice president for academic affairs. Information is available from the Office of Student Life.

Consortium Visitor Program (Various Locations)

Students may elect to attend one of the other 12 Christian College Consortium schools on a visitor basis for one or two quarters on the Student Visitor Program. In addition to SPU, Consortium schools include Asbury College, Bethel College (St. Paul), George Fox University, Gordon College, Greenville College, Houghton College, Malone College, Messiah College, Taylor University, Trinity International University, Westmont College and Wheaton College. Applications should be filed through Student Academic Services. The deadline for Autumn Quarter is March 1; for Winter and Spring Quarters, the deadline is October 1. Information is available in Student Academic Services on campus, and online at www.cccconsortium.org.

Daystar Program (Nairobi)

The Christian College Consortium also sponsors a study program at Daystar University in Nairobi, Kenya. Programs of study include communications, business administration and management, education, community development, and Bible and Christian ministries. All instruction is in the English language, offered by a faculty composed primarily of African nationals. Admission to Daystar is limited to Consortium students in their junior or senior years.

Fashion Institute of Design and Merchandising (FIDM) Program (Los Angeles)

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. Students electing to participate in the FIDM liaison should 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.

Fashion Institute of Technology (FIT) Program (New York)

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 (FIT) in New York City. Those students who choose the FIT option must be

accepted into the major and work closely with their advisor in selecting courses that best prepare them for their chosen major. 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.

Soongsil University (Seoul)

Seattle Pacific University and Soongsil University are sister schools. Students are able to study at each institution. Information is available from the Office of Student Life.

College of Arts and Sciences

Demaray Hall
(206) 281-2166

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 three graduate programs. As home to humanities, arts, and social and natural sciences, the 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.

For a complete list of CAS departments, please see page 65 of this *Catalog*. Each department is also listed alphabetically in the following pages, along with its faculty members, contact information, course listings, and more.

Bruce D. Congdon, Ph.D., Dean, 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.

Accounting

See Business and Economics, School of

Anthropology

See Sociology

Art

Art Center
3 West Cremona
(206) 281-2205 or (206) 281-2079
www.spu.edu/depts/fpa/art/art_homepage.html

Michael Caldwell, Chair, **Roger Feldman**, **Laura Lasworth**, **Suzanne Brooker**, **Virginia Causey**, **Nichole Fazio**, **Susan Haas**, **Larry Halvorsen**, **Liza Halvorsen**, **Susan Harris**, **Scott Karmen**, **Dale Kegley**, **Melissa Meier**, **Shelly Pommer**, Adjunct Faculty

The purpose of the art program is (1) to acquaint students with the fundamental elements and principles of the visual arts and their

use in either studio or visual communication arts; (2) to provide opportunities for the student to develop skill in the use of various traditional and experimental forms of studio practice and current technological media, and the ability to apply them to art-making that engages contemporary culture and aesthetic concepts; (3) to provide opportunities for students to develop a knowledge of the historical development and cultural context of art and the capacity to think critically; and (4) to assist students in their exploration of the spiritual nature of art as an expression of their faith. The curriculum provides training in studio arts or visual communication that prepares students to pursue advanced study or begin work professionally.

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 below). In the case of a transfer student with class status beyond the sophomore level, application to the art 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 as an art major in either studio arts or visual communication, or as an art minor in studio arts; (2) submit a portfolio for review; (3) must have a minimum 2.5 GPA in art courses; and (4) must have completed three of the designed foundational courses. 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.

Requirements for the Art Major

Emphasis in Studio Arts	
79 credits; 44 upper-division	
Foundational Courses	
ART 1102, 1103, or 1104 Drawing Studio	10
ART 1202, 1203, 1204, or 1205 Design Studio	15
ART 2302 Painting Studio-Oil	5
ART 2421 Printmaking Studio	3
ART 2722 Sculpture Studio	5
Studio Arts Emphasis	
ART 3112 Drawing Studio-Figure	3
ART 4112 Drawing Studio-Advanced	3
ART History (three quarters of study required)	15
ART 3608 Issues in Contemporary Art	3
ART 4898 Senior Capstone in Studio Arts	3
ART 4966 Senior Studio Project	5
Art Electives	
Three quarters of study in areas of student choice; must be upper-division	9
Total	79

Visual Communication

82 credits; 44 upper-division	
Foundational Courses	
ART 1102 Drawing Studio	5
ART 1202, 1203, 1205 Design Studio	15
Core Courses	
ART 2201 Introduction to Computer Art	3
ART 2302 Painting Studio-Oil (5)	
or ART 2421 Printmaking Studio (3)	3-5
ART 3112 Drawing Studio-Figure	3
ART 3604 History of Renaissance Art	5
ART 3605 History of Modern Art	5

Visual Communication Emphasis	
ART 2205 Image Capture	3
ART 2208 Typography	3
ART 2502 Illustration	3
ART 3202 Visual Communication I	3
ART 3204 Visual Communication II	3
ART 3207 Information Architecture (Beginning Web)	3
ART 3502 Image and Narration	3
ART 3610 History of Graphic Design	5
ART 4208 Interactive Media I	3
ART 4210 Interactive Media II	3
ART 4212 Motion Graphics	3
ART 4236 Portfolio	2
ART 4899 Senior Capstone in Visual Communication	3
ART 4943 Art Internship	3
Total	80-82

Requirements for the Art Minor in Studio Arts	
<i>46 credits; 15 upper-division</i>	
Core Courses	
ART 1102, 1103, or 1104 Drawing Studio	10
ART 1202, 1203, or 1204 Design Studio	10
Studio Arts Emphasis	
ART 2302 Painting Studio-Oil	5
ART 2421 Printmaking Studio	3
ART 2722 Sculpture Studio	5
Art History (two quarters of study required)	10
Art Electives	
Two quarters of study in areas of student choice; must be upper-division	3
Total	46

Note: Art 1180 may not be used to meet a requirement for either the art major or art minor in studio arts. Information concerning concentrations for teacher preparation is available from the School of Education.

Art Courses

ART 1102 Drawing Studio (5) Studies the use of line, perspective, value, and composition in the context of drawing as visual description based on observation and analysis of various motifs. Emphasizes linear drawing. Extra fee. Attributes: Arts and Humanities A; and Fine Arts Option. Class not open to juniors and seniors.

ART 1103 Drawing Studio (5) Studies the use of line, perspective, value, and composition in the context of drawing as visual description based on observation and analysis of various motifs. Emphasizes tonal drawing. Extra fee. Attributes: Arts and Humanities A; and Fine Arts Option. Class not open to juniors and seniors.

ART 1104 Drawing Studio (5) Studies the use of line, perspective, value, and composition in the context of drawing as visual description based on observation and analysis of various motifs. Emphasizes composition of the pictorial space. Extra fee. Attributes: Arts and Humanities A; and Fine Arts Option. Class not open to juniors and seniors.

ART 1180 The Visual Arts (5) 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. Attributes: Arts and Humanities A; and Fine Arts Core.

ART 1202 Design Studio (5) 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.

ART 1203 Design Studio (5) 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.

ART 1204 Design Studio (5) 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. May be repeated for credit up to 10 credits. Class open to art majors. Class open to freshmen and sophomores.

ART 1205 Design Studio — Color (5) 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. Class open to art majors. Class open to freshmen and sophomores.

ART 2201 Introduction to Computer Art (3) Prerequisites: ART 1102, 1202, and 1205. Overview and exploration of the rudimentary use of digital media as it relates to the production of visual communications. Extra fee.

ART 2205 Image Capture (3) Registration approval: Instructor. Prerequisite: ART 2201. Exploration of traditional and digital methods of capturing images for refinement, manipulation, or reference. Extra fee. Class open to visual arts majors.

ART 2208 Typography (3) Registration approval: Instructor. Prerequisite: ART 2201. Introduction to the communicative, symbolic, and associative aspects of typography. Emphasis is placed upon the strategic use of typography as a primary design element. Extra fee. Class open to visual arts majors. Class not open to freshmen.

ART 2302 Painting Studio — Oil (5) Analyzes problems in two-dimensional composition and the expression of volume on the two-dimensional plane emphasizing materials and techniques of oil painting. Extra fee. Attributes: Arts and Humanities A; and Fine Arts Option.

ART 2421 Printmaking Studio (3) 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. Class not open to freshmen.

ART 2422 Metals Studio (3) 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; and Fine Arts Option.

ART 2502 Illustration (3) Prerequisites: ART 1102, 1202, and ART 1205 or 3315. Introduction to the various problems, materials, techniques, and processes utilized in professional illustration. Extra fee.

ART 2722 Sculpture Studio (5) 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. Class not open to freshmen.

ART 3112 Drawing Studio — Figure (3) Registration approval: Instructor. Prerequisites: ART 1102, 1103, 1104. Studies the problems of anatomical structure with sketching and drawing from the draped model. Extra fee. Attribute: Upper-Division. Class open to art and textiles, clothing, and interiors majors. Class not open to freshmen.

ART 3202 Visual Communication I (3) Registration approval: Instructor. Prerequisites: ART 2201, 2205, 2208. Exploration of creative ideas, resources, digital processes, media, and terminology in the development of visual communication solutions. Extra fee. Attribute: Upper-Division. Class open to art majors. Class not open to freshmen and sophomores.

ART 3204 Visual Communication II (3) Registration approval: Instructor. Prerequisite: ART 3202. Continues exploration of terminology, processes, and theory in the development of design solutions for various forms of visual communication. Extra fee. Attribute: Upper-Division. Class open to art majors. Class not open to freshmen and sophomores.

ART 3207 Information Architecture-Beginning Web (3) Registration approval: Instructor. Prerequisites: ART 2208, 3204. Exploration of theoretical, practical, and developmental aspects of information design. Focus on systematic aspects of communicatively and interactivity in preparation for designing in the electronic environment. Extra fee. Attribute: Upper-Division. Class open to art majors. Class not open to freshmen and sophomores.

ART 3302 Painting Studio Advanced I-Oil (3) Prerequisite: ART 2302 or permission of instructor. Emphasizes individual expression and the study of styles in various subject matter. Extra fee. Attribute: Upper-Division. Class not open to freshmen.

ART 3315 Painting Studio-Watercolor (3) Investigates a range of technical skills in the use of traditional watercolor. Attribute: Upper-Division.

ART 3421 Printmaking Studio-Advanced I (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 3422 Metals Studio-Advanced I (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 3502 Image and Narration (3) Prerequisites: ART 1102, 1202, 3112, 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 one time. Attribute: Upper-Division. Class open to art majors. Class not open to freshmen and sophomores.

ART 3546 Art Education-Elementary (3) Discusses the principles and elements of art as related to a variety of media with direct application to use in the elementary 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 3547 Art Education-Secondary (3) Studies the teaching of art in the secondary school with investigation of several appropriate media and emphasizing development of an art curriculum. Studio periods will be combined with lectures and discussions. Offered alternate years. Course equivalent: EDU 3358. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 3602 History of Ancient Art (5) Explores the pictorial and plastic expression of the ancient Mediterranean cultures to the end of the Roman Empire. Offered alternate years. Attributes: Arts and Humanities A; Fine Arts Option; and Upper-Division. Class not open to freshmen.

ART 3603 History of Early Christian and Medieval Art (5) 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. Attributes: Arts and Humanities A; Fine Arts Option; and Upper-Division. Class not open to freshmen.

ART 3604 History of Renaissance and Baroque Art (5) Prerequisite: ART 3603 or permission of instructor. Explores the symbolic, pictorial, and plastic expression of the Renaissance and Baroque periods. Offered alternate years. Attributes: Arts and Humanities A; Fine Arts Option; and Upper-Division. Class not open to freshmen.

ART 3605 History of Modern Art (5) Explores the plastic and pictorial expression of Europe and America from the 18th century to the present particularly emphasizing 20th-century development. Offered alternate years. Attributes: Arts and Humanities A; Fine Arts Option; and Upper-Division. Class not open to freshmen.

ART 3606 History of Asian Art (5) Examines the art forms of Japan, Korea, China, India, and Indian Asia. Offered alternate years. Attributes: Arts and Humanities A; Fine Arts Option; and Upper-Division. Class not open to freshmen.

ART 3607 History of American Art (5) Provides a survey of American art from colonial times to the present, covering architecture, painting, and sculpture. Offered alternate years. Attributes: Arts and Humanities A; Fine Arts Option; and Upper-Division. Class not open to freshmen.

ART 3608 Issues in Contemporary Art (3) A study of art produced since 1970 focusing on current art movements and their relationship to changing societal values. Course structure includes both lecture/discussion and studio-oriented experiences. May be repeated for credit one time. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

ART 3610 History of Graphic Design (5) Registration approval: Instructor. Survey of historical roots of typography, illustration, and graphic design to the present. Issues, ideas, and designer/artists act as vehicles for investigation. Attributes: Upper-Division; and Writing Course. Class open to art majors. Class not open to freshmen and sophomores.

ART 3722 Sculpture Studio-Advanced I (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 4112 Drawing Studio-Advanced (3) Registration approval: Instructor. Prerequisites: ART 1102, 1103, 1104, 3112. Advanced studies of sketching and drawing from the draped model. Extra fee. May be repeated for credit up to 6 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 4208 Interactive Media I (3) Registration approval: Instructor. Prerequisite: ART 3204. Introduction to the tools, processes, and strategies for Internet design. Concentration on fundamental properties of the electronic environment, along with development of appropriate skill base. Extra fee. Attribute: Upper-Division. Class open to art majors. Class not open to freshmen and sophomores.

ART 4210 Interactive Media II (3) Registration approval: Instructor. Prerequisite: ART 4208. Continued development of design aspects related to the Internet and interactive media. Emphasis placed on strategic use of theory, methodology, and refinement in the development of electronic interactive Web sites. Extra fee. Attribute: Upper-Division. Class open to art majors. Class not open to freshmen and sophomores.



"My faith has taught me that art may be created and used to ponder the beauty and splendor hidden in the mystery of being. It is my commitment to see this traditional view with contemporary vision and to pass that on to my students."

Laura Lasworth
Art

ART 4212 Motion Graphics (3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to art majors. Class not open to freshmen and sophomores.

ART 4236 Portfolio (2) Instruction in the development of a professional portfolio including resume and cover-letter writing and presentation of samples of creative work. Attribute: Upper-Division. Class open to visual arts majors.

ART 4302 Painting Studio — Advanced II (3) Registration approval: Instructor. Prerequisites: ART 2302, 3302. Extra fee. May be repeated for credit two times. Attribute: Upper-Division. Class open to visual arts majors. Class open to juniors and seniors.

ART 4421 Printmaking Studio — Advanced II (3) 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 one time. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 4422 Metals Studio — Advanced II (3) 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 two times. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 4722 Sculpture Studio — Advanced II (3) Prerequisite: ART 3722 or permission of instructor. Studies 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 two times. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 4898 Senior Capstone in Studio Arts (3) Registration approval: Instructor. Prerequisite: ART 3608. Students will study a significant text that asks them to think about how their faith perspective intersects with their studio practice. Examples of the kind of texts 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. Attribute: Upper-Division. Class open to art and visual arts majors. Class open to seniors.

ART 4899 Senior Capstone in Visual Communication (3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to visual communication majors. Class open to seniors.

ART 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

ART 4920 Readings in Art (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 15 credits. Attributes: Upper-Division; and Writing Course. Class open to visual arts majors. Class not open to freshmen, sophomores, and juniors.

ART 4943 Art Internship (1–5) Registration approval: Intern Learning Contract req. An opportunity for art students to gain additional proficiency and experience in an approved project of the student's own design. May be repeated for credit up to 20 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ART 4950 Special Topics in Art (1–5) Registration approval: Instructor. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class open to visual arts majors. Class not open to freshmen, sophomores, and juniors.

ART 4966 Senior Studio Project (2) 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 5 credits. Attribute: Upper-Division. Class open to art, fine and applied arts, and visual arts majors. Class not open to freshmen, sophomores, and juniors.

ART 4968 Special Project (1–5) Registration approval: Instructor. May be repeated for credit up to 5 credits.

Faculty

Michael Caldwell, Professor of Art, Chair of the Art Department; B.S., University of Oregon, 1968; M.F.A., 1970. At SPU since 1970.

Roger Feldman, Professor of Art; B.A., University of Washington, 1972; M.F.A., Claremont Graduate University, 1977. At SPU since 2000.

Laura Lasworth, Professor of Art, Director of Art Center Gallery; B.F.A., The School of the Art Institute of Chicago, 1977; M.F.A., California Institute of the Arts, 1980. At SPU since 2002.

Biochemistry

See Chemistry

Biology

Science Building
(206) 281-2351
www.spu.edu/depts/biology/

Richard L. Ridgway, Chair, **Cynthia R. Bishop**, **Bruce D. Congdon**, **Cynthia L. Fitch**, **A. Kenneth Moore**, **Timothy Nelson**, **Derek W. Wood**; **Janet Bester-Meredith** (visiting professor)

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).

Option II: Emphasis in Human Biology

107 credits

This program is designed primarily for those students planning to enter a master's 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. In addition to the requirements listed below, 10 elective credits are required from the following: BIO 3325, BIO 3434, BIO 4256, BIO 4413, and BIO 4418. Other recommended courses include FCS 3340, HSC 3395, MAT 1112/1114 or MAT 1221, PE 3590, and SOC 1110.

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.

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. See additional information under Pre-Professional Health Programs.

In addition to the requirements listed in the summary table below and on page 78, 25 elective credits are required. Of these, 15 credits shall be selected from the following courses:

BIO 3320 Principles of Development
BIO 3350 Immunology
BIO 3351 General Microbiology
BIO 4325 Molecular Biology
BIO 4330 Evolutionary Mechanisms
BIO 4361/4362 Bio Chemistry
BIO 4418 Neurobiology
BIO 4420 Histology and Microscopic Technology
BIO 4615 Issues and Values in Biology

The remaining 10 credits shall be selected from the following courses:

BIO 2129/2130 Anatomy and Physiology
BIO 3432 Biodiversity: Vertebrate Biology
BIO 4413 Animal Physiology or BIO 4415 Plant Physiology

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 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).

Required Courses	B.S. I	B.S. II	B.S. III	B.A. I	B.A. II
BIO 2101 General Biology	5	5	5	5	5
BIO 2102 General Biology	5	5	5	5	5
BIO 2103 General Biology	5	5	5	5	5
BIO 2129 Human Anatomy and Physiology		5			
BIO 2130 Human Anatomy and Physiology		5			
BIO 2600 Biotechnology Seminar			1		
BIO 3325 Genetics	5		5	5	5
BIO 3350 Immunology			3		
BIO 3351 General Microbiology		5	5		

Required Courses	B.S. I	B.S. II	B.S. III	B.A. I	B.A. II
BIO 4325 Molecular Biology			5		
BIO 4352 Cell Biology	5		5	5	
BIO 4330 Evolutionary Mechanisms	3				3
Physiology Core (BIO 4413 or BIO 4415)	5				5
Comparative Biology Core (BIO 3320, BIO 3432, BIO 3453, BIO 3456, BIO 4435, BIO 4740 or BIO 4744)	5				5
Ecology Core (BIO 3310, BIO 4810, BIO 4815, or BIO 4825)	5				5
Physiology BIO 4413 Animal Physiology or BIO 4415 Plant Physiology or BIO 4418 Neurophysiology			5		
BIO 4361 and 4362 Biochemistry			10		
BIO 4615 Issues and Values in Biology (3) or BUS 3400 Business Ethics			3-5		3 (BIO 4615)
Field Biology Requirement (a minimum of 3 credits)	see page 77				
Undergraduate Research (a minimum of 3 credits)					
BIO 4978 (1) and BIO 4979 (2)	3				
BIO 4940 Internship in Biology			3-5		
BIO 4899 Capstone	2	2	2	2	2
Electives (biology courses)	14	10		25	12

Required Supporting Courses	B.S. I	B.S. II	B.S. III	B.A. I	B.A. II
CHM 1211 General Chemistry	5	5	5	5	5
CHM 1212 General Chemistry	5	5	5	5	5
CHM 1330 Organic and Biological Chemistry		5			
CHM 2540/3540 Introductory Inorganic Chemistry		5		5	
CHM 3371 Organic Chemistry	5		5	5	5
CHM 3372 Organic Chemistry	5		5	5	5
CHM 3373 Organic Chemistry	5		5	5	recommended
CHM 3225 Chemical Equilibrium and Analysis			5		
CHM 2540/3540 Introductory Inorganic Chemistry or CHM 3225 Chemical Equilibrium and Analysis or BIO 4360 Biostatistics	5				
MAT 1221 Survey of Calculus or MAT 1225 and MAT 1226 Calculus	5-10		5-10	recommended	
MAT 1360 Statistics or HSC 4044 Biomed Tests, Measurements, and Stats	5	5	5	5	5
PE 3570 Biomechanics		5			
PE 3580 Exercise Physiology		5			
PHY 1101, 1102, and 1103 General Physics or PHY 1121, 1122, and 1123 Physics for Sci. and Eng.	recommended	15		recommended	
PSY 1180 General Psychology		5			
PSY 2470 Life Span Psychology or PSY 4420 Adolescent Developmental Psychology		5			
PSY 4460 Abnormal Behavior		5			
Required from Shoreline Community College BioSc 260 (4) and BioSc 245 (4)			8		
Total	102*	107*	110-130*	87*	80*

*No more than 6 credits of BIO 4950 or 5 credits in BIO 4900, 4930, 4940, 4978, or 4979 may be applied to a B.S. or B.A. degree in biology.

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.

Requirements for the Biology Minor

34-38 credits; 15 upper-division

Required courses

BIO 2101, BIO 2102, and BIO 2103 General Biology	15
BIO 4615 Issues and Values in Biology	3
A minimum of 8 credits each from two of the following four categories:	16-20

Molecular and Cellular Biology

BIO 3325 Genetics (5)
BIO 3350 Immunology (3)
BIO 3351 General Microbiology (5)
BIO 4325 Molecular Biology (5)
BIO 4352 Cell Biology (5)

Anatomy and Physiology

BIO 2129 Human Anatomy and Physiology (5)
BIO 2130 Human Anatomy and Physiology (5)
BIO 4256 Environmental Physiology (5)
BIO 4413 Animal Physiology (5)
BIO 4415 Plant Physiology (5)
BIO 4418 Neurobiology (5)
BIO 4420 Histology and Microscopic Technology (5)

Organismal Biology

BIO 3432 Biodiversity: Vertebrate Biology (5)
BIO 3434 Animal Behavior (5)
BIO 3453 Biodiversity: Plant Identification and Taxonomy (5)
BIO 3456 Biodiversity: Mycology (5)
BIO 4117 Birds of the Pacific Northwest (5)
BIO 4435 Biodiversity: Parasites and Pests (5)
BIO 4735 Marine Biology (5)
BIO 4740 Marine Invertebrate Zoology (5)
BIO 4744 Marine Botany (5)

Ecology and Evolution

BIO 3310 Ecology (5)
BIO 4330 Evolutionary Mechanisms (3)

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 (3)	
Total	34-38

Note: Some of the courses in elective categories have prerequisites in chemistry.

Biology Courses

Note: Courses whose course titles are followed by ▲ are held 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; and Natural Science A.

BIO 2101 General Biology (5) 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. Attributes: Biological Sciences; and Natural Science A.

BIO 2102 General Biology (5) Prerequisite: BIO 2101 or permission of instructor. Intended for students majoring in biology. Surveys animal classification, structure, function, development, and behavior. Includes laboratory. Attributes: Biological Sciences; and Natural Science A.

BIO 2103 General Biology (5) 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. Attributes: Biological Sciences; and Natural Science A.

BIO 2129 Human Anatomy and Physiology (5) Studies the structure and function of the human organism. Includes cells and tissues, skeletal, integumentary, muscular, and nervous systems. Includes laboratory. Attributes: Biological Sciences; and Natural Science A.

BIO 2130 Human Anatomy and Physiology (5) Studies the structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal, and reproductive systems. Includes laboratory. Attributes: Biological Sciences; and Natural Science A.

BIO 2600 Biotechnology Seminar (1) A seminar course for students interested in biotechnology as a career. Includes student presentations and speakers from local biotechnology companies.

BIO 3310 Ecology (5) 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; and Writing Course.

BIO 3320 Principles of Development (5) 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. Attribute: Upper-Division.

BIO 3325 Genetics (5) 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. Attribute: Upper-Division.

BIO 3350 Immunology (3) 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. Attribute: Upper-Division.

BIO 3351 General Microbiology (5) Prerequisite: BIO 2101, or BIO 2129 and 2130. Explores the nature of microorganisms and their activities, the relationship of microbes to other living organisms, the biology of viruses, immunity, and topics in microbiological research. Required laboratory focuses on culturing microbes and sterile technique. Attribute: Upper-Division.

BIO 3432 Biodiversity: Vertebrate Biology (5) 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. Attribute: Upper-Division.

BIO 3434 Animal Behavior (5) 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; and Writing Course.

BIO 3453 Biodiversity: Plant Identification and Taxonomy (5) 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. Attribute: Upper-Division.

BIO 3456 Mycology (3) Prerequisite: BIO 2103. Considers the members of the Kingdom Fungi and some pseudofungal organisms. Considers the taxonomy, identification, morphology, ultrastructure, ecology, environmental importance, and commercial value of fungi. Attribute: Upper-Division.

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 4256 Environmental Physiology (5) 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; and Writing Course.

BIO 4325 Molecular Biology (5) Registration approval: Instructor. 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 engineer-

ing 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. Attributes: Upper-Division; and Writing Course.

BIO 4330 Evolutionary Mechanisms (3) Prerequisites: BIO 3310, 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; and Writing Course. Class not open to non-matriculated students.

BIO 4352 Cell Biology (5) 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. Course equivalent: EGR 4352. Attributes: Upper-Division; and Writing Course.

BIO 4360 Biostatistics (5) 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. Attribute: Upper-Division.

BIO 4361 Biochemistry (5) Prerequisite: CHM 3373. 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 and metabolic regulation. Includes laboratory. Course equivalent: CHM 4361. Attribute: Upper-Division.

BIO 4362 Biochemistry (5) 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 and metabolic regulation. Includes laboratory. Course equivalent: CHM 4362. Attribute: Upper-Division.

BIO 4363 Biochemistry (3) 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. Course equivalent: CHM 4363. Attribute: Upper-Division.

BIO 4413 Animal Physiology (5) Prerequisites: BIO 2102 and CHM 3372. Investigates physiology of higher animals, emphasizing endocrine and neuro-coordinating systems, cardiovascular, muscular, renal, and reproductive physiology of higher vertebrate organisms. Includes laboratory. Attributes: Upper-Division; and Writing Course.

BIO 4415 Plant Physiology (5) 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. Attributes: Upper-Division; and Writing Course.

BIO 4418 Neurobiology (5) Prerequisites: BIO 2102, or 2129 and CHM 3372. 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. Attribute: Upper-Division.

BIO 4420 Histology and Microscopic Technology (5) Prerequisites: BIO 2102, CHM 3372. 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. Attribute: Upper-Division.

BIO 4435 Biodiversity: Parasites and Pests (5) 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. Attribute: Upper-Division.

BIO 4615 Issues and Values in Biology (3) Examines ethical aspects of current issues in biology that help shape a Christian worldview and value system. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

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 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. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

BIO 4899 Natural Sciences Seminar (1) 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. Course equivalents: CHM 4899 and PHY 4899. Attribute: Upper-Division. Class open to seniors.

BIO 4900 Independent Study in Biology (1–5) Registration approval: Independent Study Agreement. Directed readings and/or investigation on special topics. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

BIO 4917 Latin American Studies Program: Science Seminar (6) Registration approval: Travel Studies Form. 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. Attribute: Upper-Division. Class not open to freshmen and non-matriculated students.

BIO 4918 Latin American Studies Program: Field Research (3) Registration approval: Travel Studies form. 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. Attribute: Upper-Division.

BIO 4930 Biology Practicum (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division.

BIO 4940 Internship in Biology (1–5) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division.

BIO 4950 Special Studies in Biology (1–5) Registration approval: Travel Studies form. Provides selected field-study topics offered at Biology Department's discretion: Hawaiian marine biology; Caribbean marine biology (e.g., Belize); Galapago Islands natural history; Sonoran Desert biology; Alpine flora; and others. May be repeated for credit up to 6 credits. Attribute: Upper-Division.

BIO 4978 Biological Research Proposal (1) Registration approval: Instructor. The student will prepare a proposal including a literature review and methods description for a biological research project. Attributes: Upper-Division; and Writing Course.

BIO 4979 Biological Research (1–4) Registration approval: Instructor. 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 4 credits. Attribute: Upper-Division.

Faculty

Janet Bester-Meredith, Visiting Assistant Professor; B.A., Pomona College, 1995; M.S., University of Wisconsin, 1997; Ph.D., University of Wisconsin, 2001. At SPU since 2003.

Cynthia R. Bishop, Assistant Professor of Biology; B.S., Seattle Pacific University, 1980; D.V.M., Washington State University, 1984. At SPU since 2000.

Bruce D. Congdon, 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.

Cynthia L. Fitch, Associate Professor of Biology; Coordinator, Pre-Professional Health Sciences Program; B.S., McMurry College, 1985; Ph.D., Iowa State University, 1990; Post-doctoral Fellow Howard Hughes Medical Institute, University of Washington, 1990–93; Research Scientist, University of Washington Medical School, 1993–94. At SPU since 1994.

A. Kenneth Moore, Professor of Biology; B.A., Evangel College, 1960; M.A., University of Missouri, 1963; Ph.D., University of New Mexico, 1975. At SPU since 1975.

Timothy A. Nelson, Associate Professor of Biology; Director of Blakely Island Program; B.S., Seattle Pacific University, 1987; Ph.D., University of Washington, 1995. At SPU since 1991.

Richard L. Ridgway, Associate Professor of Biology; Chair of Biology; B.S., Seattle Pacific University, 1977; M.S., Washington State University, 1983; Ph.D., 1988. Post-Doctoral Fellow, Alberta Heritage Foundation for Medical Research, University of Calgary, Canada, 1988–91. Post-Doctoral Fellow, Canadian Centres of Excellence in Neural Regeneration and Functional Recovery, 1990–91. At SPU 1978–80 and since 1991.

Derek W. Wood, Assistant Professor of Biology; B.S., Washington State University, 1991; Ph.D., University of Arizona, 1997; National Institutes of Health Post-doctoral Fellow, 1998–2000. At SPU since 2004.

Biotechnology

Science Building
Voice Mail: (206) 281-2351

Richard L. Ridgway, Director, **Cynthia L. Fitch**,
Benjamin J. McFarland, **Derek W. Wood**

Biotechnology has been identified as one of the most important applied sciences of the 21st century. This emergent field embraces many disciplines, including biochemistry, molecular biology, genetics, cell biology, and computer science/mathematical modeling. It has been argued that this synergy will lead to a new discipline where technology and biology are driving each other. Dramatic examples of this are the Human Genome Project and recent advances in genetic manipulation for medical therapy, which may eventually lead to extended and expansive practice of what is termed preventative medicine (i.e., identification of genes predisposing to disease and the use of therapies to avoid or lessen disease).

The Seattle area is one of the leaders in biotechnology, with over 100 biotechnology firms in operation. This industry exerts a major economic force and provides a rapidly growing employment opportunity for research and administrative positions. The influence of this biotechnology industry is felt in educational institutions, including science-education enhancement in the K-12 classrooms, as well as for college and university students who find many opportunities for undergraduate research projects.

To maximize benefits for students at SPU, a biotechnology program was launched in 1997-98. More recently, through participation in the Washington State Biotechnology and Biomedical Skill Standards Project (1999-2002), the program revised its curriculum to focus on student mastery of critical work functions identified by biotechnology industry representatives. As a result of this revision, a dedicated degree pathway (B.S. Biology, Option III) with emphasis in biotechnology/molecular biology was created and a special "two-way" articulation agreement was established between the biotechnology programs at Shoreline Community College (SCC) and SPU. This articulation enables associate of applied arts and sciences (A.A.S. degree) graduates of SCC to transition smoothly to the B.S. Biology (Option III) pathway at SPU, while SPU biotechnology program students gain easy access to several vocationally oriented courses at SCC.

The Biotechnology program uses existing courses in biology and chemistry, but with some special emphases (see B.S. Biology, Option III, under Biology) In addition to regular coursework and exams, biotechnology program students demonstrate their proficiency through (1) maintenance of industry-standard laboratory notebooks; (2) compilation of a Biotechnology Laboratory Skills Portfolio to document their skill competency for external reviewers, such as during job interviews; (3) involvement in an educational outreach experience focusing on biotechnology issues; and (4) successful completion of a one- or two-term internship experience in a biotechnology laboratory setting, which may be extended to a senior thesis project. For more information regarding the biotechnology program contact Dr. Richard L. Ridgway, Department of Biology.

Blakely Island Field Station

Blakely Island, Washington
(206) 281-3640
www.spu.edu/blakely

Timothy Nelson, Director, Department of Biology

In 1977, the University was given 900 acres of land and granted an open-space conservation easement on another 3,000 acres on Blakely Island, in the San Juan archipelago of Northwestern Washington. The Blakely Island Field Station serves as the teaching site for upper-division biology courses in marine, aquatic, and terrestrial ecology, as well as in natural history, introductory biology, and astronomy for non-science majors. Research conducted by faculty and students has included baseline surveys of major island habitats and the ecology of lakes, marine bays, and forests. The field station campus is located near Spencer Lake, one of the island's two freshwater lakes.

Although only a few miles from the mainland, the island is isolated and home to only a few year-round residents. Facilities include a dining hall-library-classroom building that accommodates 24 students and staff, a residence hall with 10 double-occupancy rooms, and a dive shop. The island is surrounded by lush kelp forests, eelgrass meadows, and spectacular rock walls. These subtidal and intertidal habitats support a diversity of seaweeds, invertebrates, fish, and marine mammals. In the island interior, the lakes provide habitat for river otters, herons, kingfishers, bald eagles, and ospreys, as well as a diverse invertebrate fauna. The terrain is rugged, rising sharply from sea level to more than 1,000 feet, and it supports several distinctive forest types. For more information, contact the field station director.

For a complete listing of courses offered at Blakely Island Field Station visit the Web site listed above; or contact Dr. Timothy Nelson, director of the field station.

Business and Economics, School of

David L. McKenna Hall
(206) 281-2970
www.spu.edu/depts/sbe

Jeffrey Van Duzer, *Dean of the School of Business and Economics*

Don Attebury, Nancy Christie, Jonathan Deming, Denise Daniels, Douglas Downing, Al Erisman, Randal Franz, Dan Hess, Gary Karns, Herbert Kierulff, Kenneth Knight, Ryan LaBrie, Henry Petersen, Joanna Poznanska, James Rand, Regina Schlee, Richard Sleight, Gerhard Steinke, Ross Stewart, Lisa Surdyk, Kenman Wong

We 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. We are a learning community that prizes educational excellence and effective teaching, supported by scholarship and service.

— *School of Business and Economics Mission Statement*

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 February 1 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 2.5, 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 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 February 1 of their sophomore year. Students who enter SPU as transfer students must apply for admission to the School of Business and Economics by February 1 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 at www.spu.edu/depts/sbe.

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 will take effect for freshmen who enter SPU beginning Autumn Quarter 2004 and transfer students who enter 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, the student must have attained at least sophomore standing and have achieved a minimum 2.70 cumulative GPA from all institutions. Application forms may be obtained online from the SBE home page at www.spu.edu/depts/sbe.

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 the Computer Science section of this *Catalog*.

Accounting

Ross E. Stewart, Contact Person
(206) 281-2900

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

Refer to pages 60–62 for a summary of degree requirements.

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	
Core requirements to be completed by first quarter sophomore year	
ECN 2101 Principles of Microeconomics	5
ECN 2102 Principles of Macroeconomics	5
BUS 2414 Legal Environment of Business	5
Core requirements to be completed during the sophomore year	
ACCT 2361 Financial Accounting	5
ACCT 2362 Managerial Accounting	5
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business and Economics	5
BUS 3250 Business Finance	5
Six courses recommended to be completed in the junior and senior years, in this order:	
BUS 3614 Organizational Behavior	5
BUS 3541 Marketing and Society	5
BUS 3700 Quantitative Methods for Decision Making	
or BUS 3710 Optimization and Statistics	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management	5
BUS 4899 Business Ethics	5
BUS 4690 and BUS 4899 are recommended to be taken during the last quarter of senior year.	
These requirements should be completed during the junior or senior year	
BUS 3620 Management Information Systems	5
Accounting Core Sequence to be taken junior year	
ACCT 3351 Intermediate Accounting I	5
ACCT 3352 Intermediate Accounting II	5
Additional Accounting Core Courses to be completed junior or senior year	
ACCT 3324 Federal Income Taxation	5
ACCT 3327 Cost Accounting	5
ACCT 3370 Accounting Information Systems	3
Additional Accounting Courses to be taken senior year	
ACCT 3328 Auditing	3
ACCT 4351 International Accounting	3
ACCT 4899 Capstone: Accounting Theory and Problems	5
Total	104

Note: Demonstration of computer competency is required. This is documented by passing BUS 1700, 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.

Accounting Courses

ACCT 2361 Financial Accounting (5) 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) Registration approval: SBE coordinator. 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) 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. Attribute: Upper-Division. Class not open to freshmen.

ACCT 3325 Federal Income Tax II (5) Prerequisite: ACCT 3324. Continues the concepts studied in ACCT 3324. Attribute: Upper-Division. Class not open to freshmen.

ACCT 3327 Cost Accounting (5) Prerequisite: ACCT 2362. Introduces basic principles of cost accounting as applied to materials, labor, and manufacturing overhead. Attribute: Upper-Division. Class not open to freshmen.

ACCT 3328 Auditing (3) Prerequisites: ACCT 3352, 3370. Teaches auditing theory and concepts to gather and evaluate evidence supporting an entity's financial statements. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ACCT 3351 Intermediate Accounting I (5) 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. 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. Class not open to freshmen.

ACCT 3352 Intermediate Accounting II (5) 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. Class not open to freshmen.

ACCT 3353 Advanced Accounting (5) Prerequisite: ACCT 3352. Continuation of 3352. Strongly recommended for CPA exam eligibility. 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. Class not open to freshmen.

ACCT 3370 Accounting Information Systems (3) Prerequisite: ACCT 2362. Considers accounting information systems as part of the accounting and finance functions. Examines business processes, transaction processing, systems analysis, design, development, data modeling, databases, internal control, and audit. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ACCT 4351 International Accounting (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ACCT 4899 Capstone: Accounting Theory and Problems (5) 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; and Writing Course. Class not open to freshmen and sophomores.

ACCT 4900 Independent Study — Accounting (1-5) Registration approval: Independent Study Agreement. 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. 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. Attribute: Upper-Division.

ACCT 4940 Internship (1–5) Registration approval: Intern Learning Contract req. Provides field experience opportunities for students to relate and apply principles of business, faith, service, and leadership to a professional business setting. Course consists of an internship in a professional business setting (minimum 10 hours/week) and an on-campus seminar. Internship placements must be approved prior to the internship experience or permission will not be granted to register for ACCT 4940 credit. Additional information may be obtained from the Career Development Center or internship coordinator for the School of Business and Economics. A student's initial internship must be taken for at least 2 credits. Course equivalents: BUS 4940 and ECN 4940. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ACCT 4941 Advanced Integrative Internship (1–5) Registration approval: Intern Learning Contract req. Prerequisite: ACCT 4940. Provides students the opportunity to specialize their applied learning to accounting issues and questions through individualized guidance with an accounting faculty sponsor; first-hand experience in their internship sites; academic research; and face-to-face interviews with professionals in the field. May be repeated for credit up to 6 credits. Course equivalents: BUS 4941 and ECN 4941. Attribute: Upper-Division. Class not open to freshmen and sophomores.

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 below under General Core.

Requirements for the Major

95 credits

Refer to pages 60–62 for a summary of degree requirements.

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.

General Core

Demonstration of computer competency is required. This is documented by passing BUS 1700 or by passing a competency exam covering the equivalent.

General Core	
To be completed by first quarter of sophomore year	
ECN 2101 Principles of Microeconomics	5
ECN 2102 Principles of Macroeconomics	5
BUS 2414 Legal Environment of Business	5
To be completed during the sophomore year	
ACCT 2361 Financial Accounting	5
ACCT 2362 Managerial Accounting	5
BUS 2600 Managerial Communication	2
BUS 2700 Statistics for Business and Economics	5
BUS 3250 Business Finance	5
To be completed sophomore or junior year	
BUS 3910 Finding an Internship Seminar	1
These six courses are recommended to be completed during the junior, and senior years in the order below:	
BUS 3614 Organizational Behavior	5
BUS 3541 Marketing and Society	5
BUS 3700 Quantitative Methods for Decision Making	
or BUS 3710 Optimization and Statistics	3
BUS 4644 Operations Management	5
BUS 4690 Strategic Management*	5
BUS 4899 Business Ethics*	5
These requirements may be completed during the junior or senior year:	
BUS 3620 Management Information Systems	5
BUS 3828 International Business	5
BUS 4940 Internship	1
Total general core	77

*BUS 4690 and BUS 4899 are recommended to be taken during the last quarter of senior year.

Business Administration Major	
General Core	77
Upper-division SBE electives*	18
Total for business administration major	95

*A minimum of 15 of these 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:

Concentration Options	
Economics Concentration	15
ECN 3101 Intermediate Macroeconomics (5)	
ECN 3102 Managerial Economics (5)	
<i>The remaining 5 credits must be selected from among any of the 3000- or 4000-level economics courses. (10)</i>	
Finance Concentration	15
BUS 3251 Investments (5)	
BUS 4274 Problems in Corporate Finance (5)	
BUS 4275 Practice of Finance (5)	
Information Systems Concentration	15
<i>Students must choose 15 credits from among the following:</i>	
BUS 4620 Computer Networks (5)	
BUS 4622 Information and Database Systems (5)	
BUS 4625 The Organization's Presence on the Net (5)	
CSC 1230 Problem Solving and Programming (5)	
International Business Concentration	15
<i>All chosen courses in this concentration must be approved by the SBE Undergraduate Committee.</i>	
BUS 3830 International Business Seminar (variable credits)	
or SBS 4911 Latin American Studies: Business Seminar (5)	
<i>The following courses can be counted toward this concentration.</i>	
BUS 3548 International Marketing (5)	
BUS 4661 Special Topics in Management (1-3)	
ACCT 4351 International Accounting (3)	
ECN 4310 International Political Economy (5)	
THEO 3610 Living in Another Culture (3)	
Participation in SPU Business Study Abroad program, or the business program in the Latin American Studies program, or another SBE-approved study-abroad program.*	
Foreign language credits beyond SPU competency requirement.** (15 minimum)	
Management Concentration	15
<i>Students must choose 15 credits from among the following:</i>	
BUS 3439 Motivation and Leadership (5)	
BUS 3631 Entrepreneurship (5)	
BUS 3657 Human Resource Management (5)	
BUS 3670 Management in the Nonprofit Sector (3)	
BUS 4645 Small Business Consulting (5)	
BUS 4660 Managing Systems (5)	
BUS 4661 Special Topics in Management (1-3)	
Marketing Concentration	15
BUS 3542 Marketing Research (5)	
BUS 4543 Marketing Management (5)	
<i>The remaining five credits should be selected from among the following options:</i>	
BUS 3544 Advertising (5)	
BUS 3545 Sales and Sales Management (5)	
BUS 3548 International Marketing (5)	
BUS 4542 Consumer Behavior (5)	

*Some coursework will normally be taken as part of 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.

Requirements for the Minor in Business Administration

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. Application to the minor may be made online at www.spu.edu/depts/sbe.

Requirements for Minor in Business Administration	
ECN 1100 or ECN 2101 or ECN 2102	5
ACCT 2361 Financial Accounting	5
BUS 4899 Business Ethics	5
Choose two of these three:	
BUS 3250 Business Finance (5)*	
BUS 3541 Marketing and Society (5)	
BUS 3614 Organizational Behavior for Managers (5)	10
Choose one other course from ACCT, BUS, or ECN	5
Total	30

*Requires ACCT 2362 as a prerequisite.

Business Courses

BUS 1100 Introduction to Financial Management (3) Registration approval: Instructor. Studies the key areas of financial management in the firm. These include financial markets, internal and external sources of funds, working-capital management, capital budgeting, valuation, and financial forecasting. Class open to non-matriculated students.

BUS 1700 Spreadsheets (1) What is a "spreadsheet"? Creating, modifying, saving, and printing spreadsheet documents. Entering and using formulas and calculations. Editing and importing data, incorporating graphs. Formatting and enhancing the appearance of a spreadsheet document. Course equivalent: CSC 1123.

BUS 2414 Legal Environment of Business (5) 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) 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 2601 Business Writing Tutorial (1) Students will work with a writing consultant to improve their writing skills. This course is required for accounting, business administration, and economics majors if they have not otherwise passed the School of Business and Economics Writing Competency Requirement, which can be met with a score of 5 or 6 on the English Placement Test, or a grade of B or better in ENG 2201 Intermediate College Writing. Extra fee. May be repeated for credit up to 5 credits.

BUS 2700 Statistics for Business and Economics (5) Registration approval: SBE coordinator. Prerequisite: Bus 1700, 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. Course equivalent: MAT 2700. Attributes: Quantitative Reasoning; and Mathematics.

BUS 2950 Special Topics in Spirituality and Business (1-5) This seminar style course provides in-depth study of an issue related to Christian faith and business. The same topic cannot be taken for credit more than once. May be repeated for credit three times. Course equivalent: BUS 4950. Class open to freshmen.

BUS 3250 Business Finance (5) Prerequisite: ACCT 2361 and 2362. Studies the principles of financial markets, internal and external sources of funds and their costs to the firm. Includes man-

agement of working capital, capital budgeting, valuation issues, and financial planning. 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. Class not open to freshmen.

BUS 3251 Investments (5) 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. Attribute: Upper-Division. Class open to accounting, business administration, and economics majors. Class not open to freshmen.

BUS 3414 Business Law (5) Studies the uniform commercial code, sales, negotiable instruments, secured transactions, estates and trusts, security, bankruptcy, and insurance. Intended primarily for accounting majors. Recommended for CPA examination preparation. Attribute: Upper-Division. Class not open to freshmen.

BUS 3439 Motivation and Leadership (5) 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. Course equivalent: PSY 3439. Attribute: Upper-Division. Class not open to organizational behavior and psychology majors.

BUS 3541 Marketing and Society (5) 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; and Writing Course. Class not open to freshmen.

BUS 3542 Marketing Research (5) Prerequisites: BUS 2700, 3541. Studies the marketing research process: preliminary steps and research design; questionnaires; primary and secondary data; sampling; processing and interpreting data; evaluation; and effective presentation of findings. Attribute: Upper-Division. Class open to accounting, business administration, and economics majors. Class not open to freshmen.

BUS 3544 Advertising (5) 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. Attribute: Upper-Division. Class not open to freshmen.

BUS 3545 Sales and Sales Management (5) Prerequisites: BUS 3541, 3614. Sales planning and organization. Management of the sales force for productivity. Personal selling techniques. Attribute: Upper-Division. Class open to accounting, business administration, and economics majors. Class not open to freshmen.

BUS 3548 International Marketing (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

BUS 3614 Organizational Behavior for Managers (5) 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. Attribute: Upper-Division. Class open to accounting, business administration, computer science, and economics majors. Class not open to freshmen.

BUS 3620 Management Information Systems (5) 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. Attribute: Upper-Division. Class not open to freshmen.

BUS 3631 Entrepreneurship (5) 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. Attribute: Upper-Division. Class open to accounting, business administration, and economics majors. Class not open to freshmen.

BUS 3657 Human Resource Management (5) 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. Attribute: Upper-Division. Class open to accounting, business administration, economics, family and consumer sciences, food and nutritional sciences, and textiles, clothing, and interiors majors. Class not open to freshmen.

BUS 3670 Management in the Nonprofit Sector (3) 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. Attribute: Upper-Division. Class open to accounting, business administration, and economics majors. Class not open to freshmen.

BUS 3700 Quantitative Methods for Decision Making (3) Prerequisite: BUS 2700. Uses computers for solving quantitative management decision problems. Includes optimization with derivatives; marginal analysis; linear programming; and forecasting methods. Course equivalent: BUS 3710. 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.

BUS 3710 Optimization and Statistics (3) 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. Course equivalent: BUS 3700. 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.

BUS 3828 International Business (5) 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. Attribute: Upper-Division. Class not open to freshmen.

BUS 3830 International Business Seminar (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to undergraduate students. Class not open to freshmen and sophomores.

BUS 3910 Finding an Internship Seminar (1) 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. Class not open to freshmen.

BUS 4273 Special Topics in Finance (3) Prerequisites: BUS 3250; junior standing. Presents lectures and case studies dealing with cash flow, cash budgets, financial forecasting, and establishing and maintaining relationships with financial sources. Also considers capital budgeting, leasing, and specialized funding vehicles. 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. Class not open to freshmen.

BUS 4274 Problems in Corporate Finance (5) 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 acquisitions, forecasting and cash budgeting, valuation techniques, and capital structure issues. 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. Class not open to freshmen.

BUS 4275 The Practice of Finance (5) Prerequisite: BUS 4274. Applies tools and concepts in all phases of finance to real situations through projects and case studies. 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. Class not open to freshmen.

BUS 4542 Consumer Behavior (5) Prerequisite: BUS 3541, BUS 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. 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. Class not open to freshmen.

BUS 4543 Marketing Management (5) Prerequisite: BUS 4542. Deals in depth with the planning, executing, and controlling of marketing strategies and tactics. Uses a computer simulation and a case format. 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. Class not open to freshmen.

BUS 4620 Computer Networks (5) 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, busi-

ness applications of networks, and hands-on network installation. 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. Class not open to freshmen and sophomores.

BUS 4622 Information and Database Systems (5) 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. Attribute: Upper-Division. Class not open to freshmen.

BUS 4625 The Organization's Presence on the Net (5) Prerequisites: 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. Attribute: Upper-Division. Class open to undergraduate students. Class not open to freshmen and sophomores.

BUS 4644 Operations Management (5) 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. 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. Class not open to freshmen and sophomores.

BUS 4645 Small Business Consulting (5) Registration approval: Instructor. Prerequisites: BUS 3614, 3541, and 3250. The student will write a specialized business plan in consultation with a selected small-business executive. 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. Class not open to freshmen, sophomores, and juniors.

BUS 4660 Managing Systems (5) Prerequisites: 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, context, 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. 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. Class not open to freshmen and sophomores.

BUS 4661 Special Topics in Management (1–3) Registration approval: SBE coordinator. Students analyze current issues in improving the effectiveness of organizations. May be repeated for credit up to 6 credits. 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. Class not open to freshmen and sophomores.

BUS 4690 Strategic Management (5) 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; and Writing Course. Class open to accounting, business administration, computer science, economics, family and consumer sciences, food and nutritional sciences, and textiles, clothing, and interiors majors. Class not open to freshmen, sophomores, and juniors.

BUS 4899 Business Ethics (5) 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. Attribute: Upper-Division. Class open to accounting, business administration, computer science, and economics majors. Class open to seniors.

BUS 4900 Independent Study in Business (1–5) Registration approval: Independent Study agreement. 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 15 credits. Attribute: Upper-Division.

BUS 4930 Business and Economics Practicum (1–3) Registration approval: SBE coordinator. Selected students are assigned instructional support responsibilities. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class open to accounting, business administration, and economics majors. Class not open to freshmen and sophomores.

BUS 4940 Internship (1–5) Prerequisite: BUS 3910. Registration approval: Intern Learning Contract req. Provides field experience opportunities for students to relate and apply principles of business, faith, service, and leadership to a professional business setting. Course consists of an internship in a professional business setting (minimum 10 hours/week) and an on-campus seminar. Internship placements must be approved prior to the internship experience or permission will not be granted to register for BUS 4940 credit. Additional information may be obtained from the Career Development Center or internship coordinator for the School of Business and Economics. Course equivalents: ACCT 4940 and ECN 4940. Attribute: Upper-Division. Class not open to freshmen and sophomores.

BUS 4941 Advanced Integrative Internship (1–5) Registration approval: Intern Learning Contract req. Prerequisite: BUS 4940. Provides students the opportunity to specialize their applied learning to discipline specific issues and questions through individualized guidance with a faculty sponsor in their concentration, first-hand experience in their internship sites, academic research, and face-to-face interviews with professionals. May be applied to a business administration elective. May be repeated for credit up to 6 credits. Course equivalents: ACCT 4941 and ECN 4941. Attribute: Upper-Division. Class not open to freshmen and sophomores.

BUS 4950 Special Topics in Spirituality and Business (1–5) This seminar-style course provides in-depth study of an issue related to Christian faith and business. The same topic cannot be taken for credit more than once. May be repeated for credit up to 9 credits. Course equivalent: BUS 2950. Attribute: Upper-Division.

Economics

Douglas A. Downing, Contact Person
(206) 281-2890

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 section for the economics concentration in the business administration major.)

Requirements for the Major

70 credits

Refer to pages 60–62 for a summary of degree requirements.

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.

General Core	
Core requirements to be completed by first quarter of sophomore year	
BUS 2700 Statistics for Business and Economics	5
ECN 2101 Principles of Microeconomics	5
ECN 2102 Principles of Macroeconomics	5
<i>Select one course from the following</i>	
GEO 1110 World Regional Geography (5)	
POL 1110 Introduction to Politics (5)	
POL 1120 American Government and Politics (5)	5
Core requirements to be completed during the sophomore year	
ACCT 2361 Financial Accounting	5
BUS 2600 Managerial Communication	2
Core requirements to be completed during the junior or senior years	
ECN 3101 Intermediate Macroeconomics	5
ECN 3102 Managerial Economics	5
ECN 4310 International Political Economy (5)	
or POL 3320 Political and Economic Development of Nations (5)	5
BUS 3700 Quantitative Methods for Decision Making (3)	
or BUS 3710 Optimization and Statistics (3)	3
ECN 4899 Capstone: Issues in Political Economy	5
BUS 4899 Business Ethics	5
Economics electives (15 credits required)	
<i>Take at least two courses from the following list; students then may (with approval of advisor) select ECN 4900 or a course in finance or business to complete the 15 credits:</i>	
ECN 2207 Economic Geography (5)	
ECN 3231 Urban Economics (5)	
ECN 3318 Economics of the Public Sector (5)	
ECN 3321 Money and Banking (5)	
ECN 3635 Marxism: 20th Century Theory and Practice (3)	
ECN 3640 Growth of the American System (3)	
ECN 4641-4642 History of Economic Thought (3)	
GEO 3500 Geography of Natural Resources (5)	15
Total	70

Note: Demonstration of computer competency is required. This is documented by passing BUS 1700, 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

"To be successful in a truly global business, our students have to learn how to reason effectively and, above all, learn to understand the cultural diversity of the world."

Joanna Poznanska
International Business



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. Application to the minor may also be made online at www.spu.edu/depts/sbe.

Economics Courses

ECN 1100 Fundamentals of Economics (5) 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. Attributes: Social Science Introductions; and Social Science B.

ECN 2101 Principles of Microeconomics (5) 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 Introductions; and Social Science B.

ECN 2102 Principles of Macroeconomics (5) 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 Introductions; and Social Science B.

ECN 2207 Economic Geography (5) 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. Course equivalent: GEO 2207. Attributes: Contexts for society: history/geography; and Social Science B.

ECN 3101 Intermediate Macroeconomics (5) Prerequisites: ECN 2101, 2102. An analysis of aggregate income, employment, and price level; classical and Keynesian perspectives; and recent contributions. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

ECN 3102 Managerial Economics (5) 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. 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. Class not open to freshmen.

ECN 3231 Urban Economics (5) 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. Attribute: Upper-Division. Class not open to freshmen.

ECN 3318 Economics of the Public Sector (5) 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. Attribute: Upper-Division. Class not open to freshmen.

ECN 3321 Money and Banking (5) 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. Attribute: Upper-Division. Class not open to freshmen.

ECN 3635 Marxism: 20th Century Theory and Practice (3) 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. Course equivalents: HIS 3435 and POL 3435. Attribute: Upper-Division. Class not open to freshmen.

ECN 3640 Growth of the American Economic System (3) 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. Course equivalent: HIS 3640. Attribute: Upper-Division. Class not open to freshmen.

ECN 3810 Community Economic Development (3) 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. Course equivalent: THEO 3810. Attribute: Upper-Division. Class not open to freshmen.

ECN 4310 International Political Economy (5) Examines the nature and dynamics of the global economy in relation to the economics 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. Course equivalent: POL 4310. Attribute: Upper-Division. Class not open to freshmen.

ECN 4641 History of Economic Thought I (1-3) 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: Upper-Division; and Writing Course. Class not open to freshmen.

ECN 4642 History of Economic Thought II (1-3) Prerequisites: ECN 2101, 2102, and 4641. Continuation of ECN 4641. Attribute: Upper-Division. Class not open to freshmen.

ECN 4899 Capstone: Issues in Political Economy (5) Registration approval: SBE coordinator. Prerequisites: ECN 2101, 2102. This capstone course studies the interrelationship between politics and economics and their effect on human welfare. Attributes: Upper-Division; and Writing Course. Class open to accounting, business administration, computer science, economics, family and consumer sciences, food and nutritional sciences, and textiles, clothing, and interiors majors. Class open to seniors.

ECN 4900 Independent Study in Economics (1-5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division.

ECN 4940 Internship in Economics (1-5) Registration approval: Intern Learning Contract req. Provides field experience opportunities for students to relate and apply principles of business, faith, service, and leadership to a professional business setting. Course consists of an internship in a professional business setting (minimum 10 hours/week) and an on-campus seminar. Internship placements must be approved prior to the internship experience or permission will not be granted to register for ECN 4940 credit. Additional information may be obtained from the Career Development Center or internship coordinator for the School of Business and Economics. A student's initial internship must be taken for at least 2 credits. Course equivalents: ACCT 4940 and BUS 4940. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ECN 4941 Advanced Integrative Internship (1-5) Registration approval: Intern Learning Contract req. 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. Course equivalents: ACCT 4941 and BUS 4941. Attribute: Upper-Division. Class not open to freshmen and sophomores.

Faculty

Don Attebury, Visiting Assistant Professor of Accounting; B.S., University of Evansville, 1971; M.B.A., Indiana University, 1985; CPA, State of Indiana, 1979. At SPU from 2003.

Nancy Meade Christie, Associate Professor of Accounting; B.A., Marshall University; M. Acc., Virginia Polytechnic Institute and State University, 1986; Ph.D., Virginia Polytechnic and State University, 1990. At SPU since 2003.

Denise Daniels, Associate Professor of Management; B.A., Wheaton College, 1991; Ph.D., University of Washington, 1997. At SPU since 1996.

Jonathan C. Deming, Associate Professor of Economics; B.A., Whitman College, 1971; M.A., University of Oregon, 1974; Ph.D., 1979. At SPU since 1977.

Douglas A. Downing, Associate Professor of Economics; Undergraduate Director; B.S., Yale University, 1979; M.A., 1982; Ph.D., 1987. At SPU since 1983.

Albert M. Erisman, Executive in Residence; B.S., Northern Illinois University, 1962; M.S., Iowa State University, 1967; Ph.D., 1969. At SPU since 2000.

Randal S. Franz, Associate Professor of Management; B.A., California State University-Sacramento, 1982; M.A., 1985; M.A., Stanford University, 1988; Ph.D., 1991. At SPU since 1991.

Dan W. Hess, Professor of Finance; B.A., Wheaton College, 1971; M.B.A., University of Washington, 1975; Ph.D., University of Arizona, 1982. At SPU since 1977.

Gary L. Karns, Associate Dean and Associate Professor of Marketing; MBA/ISM Graduate Director; B.B.A., University of Oklahoma, 1976; M.B.A., 1977; Ph.D., University of Washington, 1987. At SPU since 1979.

Herbert E. Kieruff, Donald Snellman Chair of Entrepreneurship and Finance; Professor of Finance, B.A., Stanford University, 1959; M.B.A., University of Southern California, 1964; D.B.A., 1967. At SPU since 1980.

Kenneth E. Knight, Professor of Management and Information Systems; B.S., Yale University, 1959; M.S., Carnegie-Mellon University, 1961; Ph.D., 1964. At SPU since 1988.

Ryan C. LaBrie, Associate Professor of Management and Information Systems; B.S., Seattle Pacific University, 1993; M.S., Seattle Pacific University, 1997; Ph.D., Arizona State University, 2004. At SPU since 2004.

Henry Peterson, Assistant Professor of Management; B.Sc., University of Calgary, 1993; M.Sc., University of Calgary/Latin American Energy Organization (OLADE), Ecuador, 1998. At SPU since 2003.

Joanna K. Poznanska, Professor of International Business; M.A., University of Warsaw, 1970; Ph.D., Technical University of Warsaw, 1976; postgraduate studies at Cornell University; Researcher, Woodrow Wilson School of Public and International Affairs, Princeton University, 1980-1981. At SPU since 1988.

James F. Rand, Clinical Professor; B.S., Marquette University, 1963; LL.B., LaSalle University, 1972; Ph.D., California Western University, 1976. At SPU since 1993.

Regina P. Schlee, Associate Professor of Marketing; B.A., University of Nevada, 1976; M.A., Washington State University, 1978; Ph.D., 1981. At SPU since 1984.

Richard L. Sleight, Instructor; B.A., University of Washington, 1977; M.Ed., 1980; Ph.D., 1989. At SPU since 1989.

Gerhard H. Steinke, Professor of Management and Information Systems; B.S., University of Alberta, 1975; M.A., Anderson University, 1984; M. Div., 1985; M.B.A., Ball State University, 1984; Ph.D., University of Passau, 1992. At SPU since 1992.

Ross E. Stewart, Professor of Accounting; B.Com., University of Auckland, 1977; M.Com., 1979; Diploma in Christian Studies, Regent College, 1981; M.T.S., 1983; Ph.D., University of Glasgow, 1987. Chartered Accountant, 1980. At SPU since 1986.

Lisa Klein Surdyk, Associate Professor of Economics; B.A., Seattle Pacific University, 1987; Ph.D., University of Washington, 1991. At SPU since 1991.

Jeffrey B. Van Duzer, Dean of School of the 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.

Kenman L. Wong, Professor of Business Ethics; B.S., Biola University, 1986; M.B.A., University of Washington, 1987; Ph.D., University of Southern California, 1996. At SPU since 1997.

Chemistry and Biochemistry

Science Building
(206) 281-2140
www.spu.edu/depts/chemistry

Lyle B. Peter, Chair; **Kevin Bartlett**, **Benjamin J. McFarland**,
Greg Phelan, **Daisy Y. Zhang**; **Larry Gulberg**, **John Mouser**
Visiting Faculty

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, a student must have a minimum 2.5 grade point average in SPU chemistry courses.

Requirements for the Chemistry Major

The 2005–2006 academic year is the second of a two-year phase-in of a revised curriculum. Junior and senior continuing students and advance transfers should consult the *2003–2004 SPU Undergraduate Catalog*.

B.S. in Chemistry

67 credits in chemistry, including 47 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

CHM 1212 General Chemistry Lecture and Lab*	5–10
CHM 2540 Inorganic Chemistry Lecture and Lab	5
CHM 2960 Introduction to Research Methods	1–2
CHM 3225 Analytical Chemistry Lecture and Lab	5
CHM 3227 Analytical Chemistry Lecture and Lab	2
CHM 3228 Analytical Chemistry Lecture and Lab	2
CHM 3229 Analytical Chemistry Lecture and Lab	2
CHM 3371 Organic Chemistry Lecture and Lab	5
CHM 3372 Organic Chemistry Lecture and Lab	5
CHM 3373 Organic Chemistry Lecture and Lab	5
CHM 3401 Physical Chemistry Lecture	4
CHM 3402 Physical Chemistry Lecture	3
CHM 3403 Physical Chemistry Lecture	3
CHM 3460 Physical Chemistry Lab	1–2
CHM 4542 Transition Metals Lecture	3
CHM 4899 Natural Sciences Seminar — Capstone	2
CHM electives from CHM courses*	13

Required Mathematics and Physics Courses

MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series and Differential Equations	5
Physics in Science and Engineering	
PHY 1121 Physics in Science and Engineering †	5
PHY 1122 Physics in Science and Engineering †	5
PHY 1123 Physics in Science and Engineering †	5

* Most students would also take CHM 1211, but well-prepared students do not need it.

**Excluding CHM 1100, CHM 1110, CHM 1330, and CHM 3400; undergraduate research is a strongly recommended elective.

† By permission, PHY 1101, PHY 1102, PHY 1103 may be substituted.

For students planning graduate studies in chemistry, additional mathematics (e.g., MAT 2228, MAT 2375, and MAT 2401) may be recommended by the advisor.

A reading knowledge of German is desirable 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 32 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

CHM 1212 General Chemistry Lecture and Lab*	5
CHM 2540 Inorganic Chemistry Lecture and Lab	5
CHM 3225 Analytical Chemistry Lecture and Lab	5
CHM 3371 Organic Chemistry Lecture and Lab	5
CHM 3372 Organic Chemistry Lecture and Lab	5
CHM 3373 Organic Chemistry Lecture and Lab	5
CHM 3401 Physical Chemistry Lecture	4
CHM 4361 Biochemistry Lecture and Lab	5
CHM 4899 Natural Sciences Seminar-Capstone	2

CHM Electives (11) from CHM courses

Excluding CHM 1100, CHM 1110, and CHM 1330

Required Mathematics and Physics Courses

MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series and Differential Equations	5
PHY 1121 Physics for Science and Engineering	5
PHY 1122 Physics for Science and Engineering	5
PHY 1123 Physics for Science and Engineering (5) or PHY 1101, PHY 1102, PHY 1103	15

* Most students would also take CHM 1211, but well-prepared students do not need it.

B.S. in Biochemistry

67 credits in chemistry and biology, including 49 upper-division in biology and chemistry; an additional 20 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 the Pre-Professional Health Sciences section on page XXX of the *Catalog*. 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

BIO 2101 General Biology	5
BIO 3325 Genetics	5
BIO 4325 Molecular Biology	5
CHM 1212 General Chemistry Lecture and Lab*	5–10
CHM 2960 Introduction to Research Methods	1
CHM 3225 Analytical Lecture and Lab	5
CHM 3371 Organic Chemistry Lecture and Lab	5
CHM 3372 Organic Chemistry Lecture and Lab	5
CHM 3373 Organic Chemistry Lecture and Lab	5
CHM 3401 Physical Chemistry	4
CHM 4361 Biochemistry Lecture and Lab	5
CHM 4362 Biochemistry Lecture and Lab	5
CHM 4363 Biochemistry Seminar	3
CHM 4899 Natural Sciences Seminar-Capstone	2
CHM and BIO electives from CHM 2540, CHM 4960, CHM 3227, CHM 3228, CHM 3229, CHM 3403, BIO 4352, CHM 3460, CHM 4542, BIO 2102, BIO 2103, BIO 3350, BIO 4360; undergraduate research is a strongly recommended elective.	7

*Most students would also take CHM 1211, but well-prepared students do not need it.

Required Mathematics and Physics Courses

Math and Physics	35
MAT 1225 Calculus	5
MAT 1226 Calculus	5
MAT 1228 Series and Differential Equations	5
MAT 1360 Statistics*	5
PHY 1121 Physics in Science and Engineering (5) or PHY 1101 (5)	5
PHY 1122 Physics in Science and Engineering (5) or PHY 1102 (5)	5
PHY 1123 Physics in Science and Engineering (5) or PHY 1103* (5)	5

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.*

Total **35**

*Excluding CHM 1100, CHM 1110, CHM 1330, CHM 2930, CHM 4800, CHM 4900, CHM 4930, and CHM 4940.

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 listing in this *Catalog*.) 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. See the Pre-Professional Health section of the *Catalog*.

Chemistry Courses

CHM 1100 Introduction to Chemistry (5) 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. Attributes: Physical Sciences; and Natural Science B.

CHM 1110 Introduction to the Nature of Science (5) 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. Course equivalent: PHY 1110. Attributes: Physical Sciences; and Natural Science B.

CHM 1211 General Chemistry I (5) 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, and CHM 1100 or 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. Attributes: Physical Sciences; and Natural Science B.

CHM 1212 General Chemistry II (5) 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. Attribute: Physical Sciences.

CHM 1330 Organic and Biological Chemistry (5) 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. Attributes: Physical Sciences; and Natural Science B.

CHM 2540 Introductory Inorganic Chemistry (5) 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. Course equivalent: CHM 3540.

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 Introduction to Research Methods (1–3) 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 and Analysis (5) 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. Attribute: Upper-Division.

CHM 3227 Separation Science (2) 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. Attribute: Upper-Division.

CHM 3228 Electroanalytical Chemistry (2) 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 voltametry. Attribute: Upper-Division.

CHM 3229 Analytical Spectroscopy (2) 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. Attribute: Upper-Division.

CHM 3371 Organic Chemistry I (5) 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. Attribute: Upper-Division.

CHM 3372 Organic Chemistry II (5) 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. Attribute: Upper-Division.

CHM 3373 Organic Chemistry III (5) 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. Attribute: Upper-Division.

CHM 3401 Thermodynamics (4) Prerequisites: CHM 1211, 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. Course equivalents: EGR 3401 and PHY 3401. Attribute: Upper-Division.

CHM 3402 Physical Chemistry II (3) 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. Attribute: Upper-Division.

CHM 3403 Physical Chemistry III (3) 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. Attribute: Upper-Division.

CHM 3460 Physical Chemistry Laboratory (1–2) 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; and Writing Course.

CHM 3540 Introductory Inorganic Chemistry (5) Prerequisite: CHM 1212. 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. Course equivalent: CHM 2540. Attribute: Upper-Division. Class open to juniors and seniors.

CHM 4361 Biochemistry I (5) 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. Course equivalent: BIO 4361. Attribute: Upper-Division.

CHM 4362 Biochemistry II (5) 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. Course equivalent: BIO 4362. Attribute: Upper-Division.

CHM 4363 Biochemistry III (3) 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. Course equivalent: BIO 4363. Attribute: Upper-Division.

CHM 4374 Advanced Organic Laboratory (3) Prerequisites: CHM 3225 and 3373. An advanced laboratory course using synthetic separation and instrumental techniques to study properties of organic compounds. Offered alternate years. Attribute: Upper-Division.

CHM 4542 Transition Metals (3) Prerequisites: CHM 2540 and 3373 (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. Attribute: Upper-Division.

CHM 4700 Selected Topics in Chemistry/Biochemistry (3) Registration approval: Instructor. 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; and Writing Course.

CHM 4760 Advanced Synthesis (1–2) 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. Attribute: Upper-Division.

CHM 4899 Natural Sciences Seminar (1) 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. Course equivalents: BIO 4899 and PHY 4899. Attribute: Upper-Division. Class open to seniors.

CHM 4900 Independent Project/Design in Chemistry/Biochemistry (1–10) Registration approval: Independent Study Agreement. 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; and Writing Course.

CHM 4930 Chemistry/Biochemistry Practicum (1–5) Registration approval: Instructor. Selected students are assigned teaching, grading, laboratory preparation, and/or tutoring responsibilities. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

CHM 4940 Internship in Chemistry/Biochemistry (1–5) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class open to chemistry majors. Class not open to freshmen and sophomores.

CHM 4950 Current Topics in Chemistry/Biochemistry (1–5) Registration approval: Instructor. Deals with selected chemistry topics of general interest. No laboratory. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

CHM 4960 Undergraduate Research in Chemistry/Biochemistry (1–10) Registration approval: Instructor. 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; and Writing Course.

Faculty

Kevin Bartlett, Assistant Professor of Chemistry; B.S., Wheaton College, 1996; Ph.D., University of Washington, 2001. At SPU since 2002.

Benjamin McFarland, Assistant Professor of Biochemistry; B.S., University of Florida, 1996; Ph.D., University of Washington, 2001. At SPU since 2003.

Lyle Peter, Professor of Chemistry; B.S., Seattle Pacific College, 1972; Ph.D., University of Washington, 1979. At SPU since 1979.

Greg Phelan, Assistant Professor of Chemistry; B.S. Chem.E., University of Rochester, 1994; M.S., SUNY Albany, 1998; Ph.D., University of Washington, 2003, M.Ed., 2003. At SPU since 2001.

Daisy Zhang, Associate Professor of Chemistry; B.S., Calvin College, 1989; Ph.D., The University of Chicago, 1993. At SPU since 1998.

Classics

See Languages

Common Curriculum

See College of Arts and Sciences

Communication and Journalism

Marston Hall
(206) 281-2036
www.spu.edu/depts/commjournal

William Purcell, Chair, **Richard Jackson**, Journalism contact,
Lorelle Jabs, **Todd Rendleman**, **Debra 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 (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 of this *Catalog* 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.

Requirements for Communication Major

55 credits; 28 upper-division

Both tracks require a common communication core. Each track then adds additional credits in specialized coursework.

Refer to pages 60–62 for a summary of degree requirements.

Departmental Core	
COM 1101 Introduction to Interpersonal Communication	5
COM 1321 Public Speaking	5
COM 2323 Argumentation	5
COM 3001 Theories of Communication	5
JRN 3355 The Public and the Media	5
Total	25

Communication Studies Track

In addition to departmental core course.

COM 3628 Foundations of Western Rhetoric or COM 3629 Modern Rhetorical Theory	5
COM 4142 Advanced Interpersonal Communication	5
COM 4265 Organizational Communication	5
COM 4899 Communication Seminar Capstone	5
Electives	10
Total	55

Note: Practical experiences such as internships, forensics practicum,

journalism practicum, and similar courses may be taken as part of the degree program and may be included in the major for up to 6 credits of the electives required.

Journalism Track	
<i>In additional to departmental core course.</i>	
JRN 2101 Introductory Newswriting	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 Seminar Capstone	5
Student Publications/Internships	3-5
Total	58-60

Requirements for Communication Minor	
<i>30 credits; a minimum of 15 upper-division</i>	
COM 1101 Introduction to Interpersonal Communication	5
COM 1321 Public Speaking	5
COM 3001 Theories of Communication	5
Electives in communication to complete the 30 credit minimum	15
Total	30

Requirements for Journalism Minor	
<i>30 credits; a minimum of 15 upper-division</i>	
JRN 2101 Introductory Newswriting	5
JRN 2202 Public Affairs Reporting	5
JRN 2203 Editing and Design	5
Select one of these:	
JRN 3301 Media Law or COM 4177 Communication Ethics	5
JRN 3355 The Public and the Media	5
Select one series of courses from the following:	
JRN 2801/02/03 Newspaper Production (6)	
JRN 3930/31/32 Publication Editor Practicum (6)	5
Total	30

Note: Electives are to be selected from among other JRN courses and ENG 2215, ENG 3205, ENG 3301, and ENG 4401.

Communication Courses

COM 1101 Introduction to Interpersonal Communication (5) 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: Arts and Humanities B; and Oral or Written Communication.

COM 1321 Public Speaking (5) 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; and Oral or Written Communication.

COM 1930 Forensics Practicum (1-2) Registration approval: Instructor. Provides experience in co-curricular speech activities. Meets weekly by arrangement; individual coaching conferences. May be repeated for credit up to 12 credits. Class not open to juniors and seniors.

COM 1931 Communication Practicum (1-2) Registration approval: Instructor. Provides field experience in communication activities with faculty guidance in selection, preparation, and review; application to campus ministry teams, speakers' bureau, and other contexts. May be repeated for credit up to 12 credits. Class not open to juniors and seniors.

COM 2227 Small Group Discussion and Leadership (5) 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) 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 3001 Theories of Communication (5) 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. Attributes: Upper-Division; and Writing Course.

COM 3160 Conflict Management (5) Examines research in and techniques for conflict management. Includes theory, models, and case studies in conflict in interpersonal, organizational, and public contexts. Attribute: Upper-Division.

COM 3321 Advanced Public Speaking (5) Prerequisite: COM 1301 or 1321, or permission of instructor. Advances application of speech principles to prepare public address for various contexts; provides individualized instruction in research, organization, composition, style, and presentation. Attribute: Upper-Division.

COM 3322 Persuasive Campaigns (5) 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. Attribute: Upper-Division.

COM 3628 Foundations of Western Rhetoric (5) 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; and Writing Course.

COM 3629 Modern Rhetorical Theory (5) Examines theories of communication and persuasion from the 15th century to the present, with special emphasis on European and American rhetorical theorists. Attributes: Upper-Division; and Writing Course.

COM 3780 Introduction to Film (5) 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. Course equivalent: TRE 3780. Attributes: Arts and Humanities A; Fine Arts Core; Upper-Division; and Writing Course. Class not open to freshmen.

COM 3930 Forensics Practicum (1-2) Registration approval: Instructor. Provides experience in co-curricular speech activities. Meets weekly by arrangement; individual coaching conferences. May be repeated for credit up to 12 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

COM 3931 Communication Practicum (1-2) Registration approval: Instructor. Provides field experience in communication activities with faculty guidance in selection, preparation, and review; application to campus ministry teams, speakers' bureau, and other contexts. May be repeated for credit up to 12 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

COM 4142 Advanced Interpersonal Communication (5) Prerequisites: COM 1101 and 3001, or permission of instructor. Focuses on selected communication theories, research and application pertaining to romantic, friendship, and family relationships. Attribute: Upper-Division.

COM 4177 Communication Ethics (5) 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; and Writing Course.

COM 4180 Cultural Communication (5) Examines theory and literature of the ethnography of communication with direct application in the description and analysis of language in its social context. Attribute: Upper-Division.

COM 4265 Organizational Communication (5) Examines how communication functions within organizations and explores use of communication to improve employee relationships and organizational effectiveness. Attribute: Upper-Division.

COM 4323 Performing Literature (5) 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. Attribute: Upper-Division. Class not open to freshmen.

COM 4607 Rhetoric of Dissent (5) Considers discourse in its rhetorical, historical, political, social, and religious contexts and pays particular attention to women and minority voices. Attributes: Upper-Division; and Writing Course.

COM 4899 Communication Seminar Capstone (5) Prerequisites: Completion of 15 credits in communication major and COM 3001. Senior capstone course in the communication studies track. Attribute: Upper-Division. Class not open to freshmen and sophomores.

COM 4900 Independent Study (1-5) Registration approval: Independent Study agreement. Individual research and conferences in area of specialization. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

COM 4930 Instructional Practicum (1-5) Registration approval: Instructor. Provides selected students with experience as undergraduate teaching assistants in lower-division courses. May be repeated for credit two times. Attribute: Upper-Division. Class open to communication majors.

COM 4940 Coop Education: Internship in Communication (1-5) Registration approval: Intern Learning Contract req. Prerequisites: 15 credits of B work in communication; an approved internship plan; and COM 3001. Provides supervised application of interpersonal and public communication skills in the marketplace. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

COM 4941 Coop Education: Internship in Communication (1-5) Registration approval: Intern Learning Contract req. Prerequisites: 15 credits of B work in communication; an approved internship plan; COM 3001. Provides supervised application of interpersonal and public communication skills in the marketplace. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

COM 4950 Advanced Topics in Communication (1-5) Explores selected topics in communication, with emphasis on theories and research not normally examined in regular curriculum. Offered occasionally with specific topics identified in the *Online Time Schedule*. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

Journalism Courses

JRN 2101 Introductory Newswriting (5) 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. Class not open to freshmen.

JRN 2202 Public Affairs Reporting (5) 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) 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 2801 Newspaper Production (1-2) Registration approval: Instructor. Laboratory for the student newspaper, the yearbook, and other student publications. Students work under editors in a variety of production phases with access to a faculty advisor. Only 6 credits total of JRN 2801, 2802, 2803, 3930, 3931, and 3932 may be applied to the JRN track or minor. May be repeated for credit five times.

JRN 2802 Newspaper Production (1-2) Registration approval: Instructor. Laboratory for the student newspaper, the yearbook, and other student publications. Students work under editors in a variety of production phases with access to a faculty advisor. Only 6 credits of JRN 2801, 2802, 2803, 3930, 3931, and 3932 total may be applied to the JRN track or minor. May be repeated for credit five times.

JRN 2803 Newspaper Production (1-2) Registration approval: Instructor. Laboratory for the student newspaper, the yearbook, and other student publications. Students work under editors in a variety of production phases with access to a faculty advisor. Only 6 credits of JRN 2801, 2802, 2803, 3930, 3931, and 3932 total may be applied to the JRN track or minor. May be repeated for credit five times.

JRN 3301 Media Law (5) 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. Attribute: Upper-Division.

JRN 3355 The Public and the Media (5) 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. Attribute: Upper-Division.

JRN 3930 Publication Editor Practicum (1–3) Registration approval: Instructor. Provides opportunity for application of writing, editing, and production skills in leadership roles in student publications. Open only to those officially selected for positions. No more than 6 credits of Publication Editor Practicum and Newspaper Production total may count toward the JRN track or minor. May be repeated for credit up to 6 credits. Attribute: Upper-Division.

JRN 3931 Publication Editor Practicum (1–3) Registration approval: Instructor. Provides opportunity for application of writing, editing, and production skills in leadership roles in student publications. Open only to those officially selected for positions. No more than 6 credits of Publication Editor Practicum and Newspaper Production total may count toward the JRN track or minor. May be repeated for credit up to 6 credits. Attribute: Upper-Division.

JRN 3932 Publication Editor Practicum (1–3) Registration approval: Instructor. Provides opportunity for application of writing, editing, and production skills in leadership roles in student publications. Open only to those officially selected for positions. No more than 6 credits of Publication Editor Practicum and Newspaper Production total may count toward the JRN track or minor. May be repeated for credit up to 6 credits. Attribute: Upper-Division.

JRN 4899 Journalism Seminar Capstone (5) 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. Attribute: Upper-Division. Class open to communication majors. Class not open to freshmen and sophomores.

JRN 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class open to juniors and seniors.

JRN 4920 Directed Readings (1–5) Registration approval: Independent Study Agreement. Attribute: Upper-Division.

JRN 4940 Coop Education: Journalism Internship (1–5) Registration approval: Intern Learning Contract req. Applies journalism skills in various employment settings. Students may suggest their own internships in consultation with the faculty supervisor as long as journalism skills are used and other internship criteria are met. No more than 5 of such credits may apply toward a journalism minor. May be repeated for credit up to 5 credits. Course equivalent: ENG 4940. Attribute: Upper-Division. Class open to juniors and seniors.

JRN 4941 Coop Education: Journalism Internship (1–5) Registration approval: Intern Learning Contract req. Applies journalism skills in various employment settings. Students may suggest their own internships in consultation with the faculty supervisor as long as journalism skills are used and other internship criteria are met. No more than 5 such credits may apply toward a journalism minor. May be repeated for credit up to 5 credits. Course equivalent: ENG 4941. Attribute: Upper-Division. Class open to juniors and seniors.

Faculty

Lorelle Jabs, Assistant Professor of Communication; B.S., Oregon State University, 1986; M.S., Oregon State University, 1988; Ph.D., University of Washington, 1997. At SPU since 2000.

Richard Jackson, Instructor of Journalism; B.A., Pennsylvania State University, 1977; M.A., University of Washington, 1995. Ph.D., University of Washington, 2005. At SPU since 1995.

William Purcell, Associate Professor of Communication; B.A., Auburn University, 1976; M.A., University of Alabama, 1983; Ph.D., Indiana University, 1986. At SPU since 1995.

Todd D. Rendleman, Associate Professor of Communication; B.A., University of Illinois, Urbana-Champaign, 1992; M.A., 1994; Ph.D., 1999. At SPU since 1999.

Debra L. Sequeira, Professor of Communication; B.A., San Francisco State University, 1976; M.A., San Francisco State University, 1978; Ph.D., University of Washington, 1987. At SPU 1978–85 and since 1990.

Computer Engineering

See Engineering

Computer Science

Otto Miller Hall
206/281-2140
www.spu.edu/depts/csc

Michael H. Tindall, Chair, **Charles Burris**, **Creed Jones III**, **Philip Prins**, **Elaine Weltz**

Computer science is the discipline that studies the representation, storage, and transformation of information utilizing automatic computing machines. The computer scientist is interested in developing computer software and hardware to analyze data and solve problems. In addition to understanding the organization and operation of modern computer systems, knowledge of the problems and applications in a related discipline is highly recommended.

The Department of Computer Science is dedicated to educating and preparing students for a variety of careers in business, scientific, and engineering computing. We seek to provide a broad program of studies in theoretical and applied computer science informed by a Christian worldview, graduating students who are equipped for continued professional development and service.

Both bachelor of science (B.S.) and more application-oriented bachelor of arts (B.A.) degree options are available. A variety of computing equipment is available to SPU to support coursework and independent study activities. A fiber-optic Ethernet network links all parts of the campus computing environment. The open student laboratory contains about 30 Pentium/Athlon Windows PC systems, each connected to the Ethernet and with access to printers and appropriate software packages.

It is recommended that students majoring in computer science obtain their own Windows-compatible machine 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 512 MB memory, a 100 GB hard drive, ethernet (or modem) and printer. Software should include Windows XP, Microsoft Visual Studio.NET, Microsoft Word, and Adobe Acrobat Reader. Some courses may require other software that will be available in the student laboratory or for separate purchase. Most recommended software is available with educational pricing through the Computer and Information Systems Department 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. Refer to chart on page 100; refer to pages 60–62 for a summary of degree requirements. The B.S. 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

Refer to pages 60–62 for a summary of degree requirements. The B.A. major is an applications-oriented degree in computer science. Each option provides preparation for professional careers in computing, with a specific emphasis on an area of applications.

B.A. — Business Option

85 credits; 45 upper-division. Refer to chart on page 100. This option combines preparation in the core areas of computer science with additional emphasis on business organizations, accounting, finance, and marketing.

B.A. — Computer Systems Option

83 credits; 43 upper-division. Refer to chart on page 100. This option provides a thorough preparation in the topics and applications of computer science.

B.A. — Computer and Information Technology Degree Completion Option

65 credits plus specialization; 35 upper-division in core. This option combines preparation in the core areas of computer science with an approved CIT specialization. It is designed for students who have already completed appropriate computer-related technical certifications or associates degrees. See your computer science advisor for details.

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.

Requirements for the Computer Science Minor

35 credits; 15 upper-division

Core Courses

CSC 1230 Problem Solving and Programming	5
CSC 2430 Data Structures I	5
CSC 2431 Data Structures II	5
Electives: CSC 3000–CSC 4999	15

Mathematics

Select one of the following:

MAT 1221 Survey of Calculus	5
MAT 1225 Calculus	5
MAT 1360 Introduction to Statistics	5
BUS 2700 Statistics for Business and Economics	5

Total **35**

* This course fulfills a General Education requirement.

Computer Science Courses

CSC 1120 Introduction to the Computer (1) 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.

CSC 1121 Internet and Email (1) Prerequisite: CSC 1120 or equivalent experience. 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; downloading files using FTP; and using the World Wide Web and the Internet.

CSC 1122 Word Processing (1) Prerequisite: CSC 1120 or equivalent. 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) Prerequisite: CSC 1120 or equivalent. 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. Course equivalent: BUS 1700.

CSC 1124 Databases (1) Prerequisite: CSC 1120 or equivalent. 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) Prerequisite: CSC 1120 or equivalent. 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) 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 and Programming (5) 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.

CSC 1800 Special Topics in Computer Usage (1–3) 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 and Engineering Programming (3) Prerequisites: MAT 1221 or MAT 1225, CSC 2430. Explores fundamentals of computer programming and problem solving for engineering and science students.

Required Courses for Computer Science Degrees 2005–2006 Catalog	B.S.	B.A. Systems	B.A. Business
CSC 1230 Problem Solving and Programming	5	5	5
CSC 2430 Data Structures I	5	5	5
CSC 2431 Data Structures II	5	5	5
CSC 3150 Systems Design	5	5	5
CSC 3220 Applications Programming or CSC 2222 Programming Techniques	3	3	3
CSC 3221 Netcentric Computing	3	3	3
CSC 3310 Concepts in Programming Languages	3	3	3
CSC 3350 Operating Systems Programming	3	3	3
CSC 3430 Algorithm Design and Analysis	3	3	3
CSC 3750 Computer Architecture		5	5
CSC 3760 Computer Organization	5		
CSC Electives (CSC 4000–CSC 4850)	11	16	8
CSC Project Course (CSC 4150, 4760 or 4820)	5		
CSC 4898 Senior Capstone in Computer Science	2	2	2
MAT 1720 Math for Computer Science		5	5
MAT 1360 Introduction to Statistics		5	5
MAT 1221 Survey of Calculus * or MAT 1225 Calculus*			5
MAT 1225 Calculus*	5	5	
MAT 1226 Calculus	5	5	
MAT 1228 Series and Differential Equations	5	5	
MAT 2375 Probability Theory	2		
MAT 2376 Applied Statistics	3		
MAT 2720 Discrete Mathematics	3		
PHY 1121, 1122, 1123 Physics	15		
EE 1210 Logic System Design	5		
EE 3280 Microcontroller System Design	5		
ECN 2101 Microeconomics *			5
ACCT 2361 Financial Accounting			5
BUS/ECN Electives			
<i>10 credits chosen from list below:</i>			10
BUS 3250 Business Finance (5)			
BUS 3541 Marketing and Society "W" (5)			
BUS 3614 Organizational Behavior for Managers (5)			
BUS 3631 Entrepreneurship (5)			
BUS 3657 Human Resource Management (5)			
BUS 3670 Management in the Nonprofit Sector (3)			
BUS 3700 Quant. Methods for Decision Making (3)			
BUS 4644 Operations Management (5)			
BUS 4660 Managing Systems (5)			
ECN 3231 Urban Economics (5)			
ECN 3640 Growth of American Economic Sys. (3)			
Total Upper-Division Credits Required	48	43	45
Total Credits Required	106	83	85

CSC 2222 Programming Techniques (3) 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) 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) 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) Registration approval: Instructor. 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++" Programming (2) 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) 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; and Writing Course.

CSC 3220 Applications Programming (3) 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. Attribute: Upper-Division.

CSC 3221 Netcentric Computing (3) Prerequisite: CSC 3220. Introduction to networking and the Internet. Topics studied include network architectures, network security, communication, and net-

working layer protocols, and the Web as an example of client-server computing. In addition, students will practice building Web applications. Attribute: Upper-Division.

CSC 3310 Concepts in Programming Languages (3) Prerequisite: CSC 2431. Explores organization and structure of programming languages; run-time behavior and requirements of programs; and programming language specification. Attribute: Upper-Division.

CSC 3350 Operating Systems Programming (3) 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. Course equivalent: CPE 3350. Attribute: Upper-Division.

CSC 3430 Algorithm Design and Analysis (3) Prerequisites: CSC 2431 and (MAT 1360 or MAT 2376), and (MAT 1720 or MAT 2720) and (MAT 1221 or MAT 1225). Covers the design and analysis of algorithms for searching, sorting, string processing, table management, and graphs. Includes principles of computational complexity and analysis. Attribute: Upper-Division.

CSC 3750 Computer Architecture and Organization (5) 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. Attribute: Upper-Division.

CSC 3760 Computer Organization and Assembly Language (5) Prerequisites: CSC 2430 and EE 1210. CSC 2431 is recommended. Studies organization and structuring of the major hardware and software 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. Course equivalents: CPE 3760 and EE 3760. Attribute: Upper-Division.

CSC 3899 Ethical and Social Issues in Computer Science (3) Covers ethical, social, and societal-impact issues with which computer professionals must deal. Topics include areas such as 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. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

CSC 3900 Independent Study in Computer Science (1–5) Registration approval: Independent Study Agreement. Independent study and research in an advanced computer science topic. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

CSC 3930 Practicum in Computer Science (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division.

CSC 3940 Internship in Computer Science (1–5) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division.

CSC 3950 Topics in Computer Science (1–5) Registration approval: Instructor. Advanced or special interest topics in computer science. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

CSC 3960 Project in Computer Science (1–5) Registration approval: Instructor. Independent work on a significant project in computer science. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

CSC 4150 Software Engineering (5) 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. Course equivalent: CPE 4150. Attribute: Upper-Division. Class open to seniors.

CSC 4210 Theory of Computation and Algorithm (3) 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. Attribute: Upper-Division.

CSC 4310 Compiler Design (3) 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. Attribute: Upper-Division.

CSC 4350 Advanced Operating Systems (3) 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. Course equivalent: CPE 4350. Attribute: Upper-Division.

CSC 4410 Database Management (5) 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. Attribute: Upper-Division.

CSC 4510 Graphical User Interface Design and Programming (3) Prerequisite: CSC 3221. Introduction to programming in the Windows GUI environment. Comparison to other GUI environments. Attribute: Upper-Division.

CSC 4750 Computer Networks (5) 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. Attribute: Upper-Division.

CSC 4760 Advanced Computer Architecture (5) 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. Course equivalent: CPE 4760. Attribute: Upper-Division.

CSC 4800 Advanced Issues in Computer Science (3–5) 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. Attribute: Upper-Division. Class open to computer science majors.

CSC 4810 Advanced Issues in Computer Science (3–5) 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; and Writing Course. Class open to computer science majors.

CSC 4820 Advanced Issues in Computer Science Project (5) Registration approval: Instructor. 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 two times. Attribute: Upper-Division. Class open to computer science majors.

CSC 4898 Senior Capstone in Computer Science (2) 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. Attribute: Upper-Division. Class open to computer science majors. Class open to seniors.

CSC 4900 Independent Study in Computer Science (1–5) Registration approval: Independent Study Agreement. Independent study and research in an advanced computer science topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

CSC 4930 Practicum in Computer Science (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division.

CSC 4940 Internship in Computer Science (1–5) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division.

CSC 4950 Topics in Computer Science (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to computer science majors. Class not open to freshmen and sophomores.

CSC 4960 Project in Computer Science (1–5) Registration approval: Instructor. Independent work on a significant project in computer science. May be repeated for credit up to 8 credits. Attribute: Upper-Division.

Faculty

Charles H. Burris Jr., Associate Professor of Computer Science; B.S., University of Utah, 1965; M.S., 1967; Ph.D., University of New Mexico, 1974. At SPU since 1982.

Creed Jones III, Associate Professor of Computer Science; B.S., Oakland University, 1980; M.S., Oakland University, 1982. At SPU since 2003.

Philip R. Prins, Associate Professor of Computer Science; B.A. Humboldt State University, 1976; B.A., 1978; M.S., University of Idaho, 1984; Ph.D., 1993, University of Idaho. At SPU since 1992.

Michael H. Tindall, Professor of Computer Science; Chair of the Computer Science Department; B.S., Seattle Pacific College, 1971; M.S., Ph.D., University of Illinois at Urbana-Champaign, 1975. At SPU since 1980.

Elaine V. Weltz, Assistant Professor of Computer Science; B.A., Seattle Pacific College, 1974; M.MUS., University of Southern California, 1978; B.S., Seattle Pacific University, 1984.; M.S.E., Seattle University, 1989. At SPU since 1984.

Education, School of

Peterson Hall
(206) 281-2214
www.spu.edu/depts/soe/

William Rowley, *Dean of the School of Education*

Scott Beers, Rick Eigenbrood, Ruth Givens, Sharon Hartnett, Frank Kline, Debra Lierman, Nyaradzo Mvududu, Annette Robinson, Richard Scheuerman

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 State Board of Education and meet residency requirements for Washington state elementary and secondary 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: Use information on student performance to advise and involve students and families; inform, involve, and collaborate with families to support student success.

Category VI: Evaluate effects of a student's teaching through feedback and reflection. Establish goals for professional improvement.

Category VII: 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.

Majors 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 (see page 105).

Secondary Certification. Students pursuing secondary certification need to work closely with the certification coordinator to make sure all endorsement requirements are being met. Please see the certification coordinator in the School of Education for more information.

K-12 Certification. Some endorsements lead to K-12 certification. These 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 coordinator 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 have to earn a second degree. However, they must still meet state requirements for an endorsement and be approved by the School of Education.

Advising

To complete the residency certification program in a timely manner, students need competent academic advice. The School of Education provides group and individual sessions with the certification coordinator 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 attend a group session or 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 do 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 WEST-E/Praxis II test.
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 the state and override anything stated in the *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.

- 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:

- 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.
- 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.
- 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.
- 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.
- 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.
- 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

Foundation Quarter Prerequisites

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.

Foundations Quarter

Must be taken concurrently

EDU 2104 Introduction to Education	2
EDU 2200 Foundations and Educational Psychology	3
EDU 2300 Diversity and the Classroom	3

Methods and Skills Courses

A student must receive a grade of C or better in all methods and skills courses to be recommended for certification.

Choose One:

ART 3546 Art Education (3) or MUS 3501 Elementary Methods and Materials (3) or TRE 3800 Theatre Education Methods (3)	3
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Choose One:

EDRD 4516 Children's Literature (3) or EDRD 4517 Young Adult Literature (3)	3
MAT 2530 Survey of Mathematics I	3
MAT 2531 Survey of Mathematics II*	2
EDRD 2000 Reading I: Psychology of Reading**	3

EDSC 2566 Environmental Science***	5
EDU 3942 September Experience****	1

*Prerequisite for EDMA 3000.

** Prerequisite for EDRD 3200.

***Prerequisite for EDSC 3200.

****September Experience should be taken the September following Foundations Quarter.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education (see page 102); need successful completion of MAT 2530, MAT 2531, EDRD 2000, and EDSC 2566; and fingerprint clearance. Passing scores on WEST-B test; take the appropriate WEST-E/Praxis II test.

<i>Must be taken concurrently</i>	
EDU 3200 General Methods I: Classroom Management	1
EDRD 3200 Reading II: Reading Methods	2
EDMA 3000 Math Methods I	2
EDSC 3200 Social Studies/ScienceMethods	1
EDU 3105 Laboratory Experience	3

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; participating in an internship-placement interview; and senior standing (135 credits).

Integrated Quarter must be taken concurrently

EDU 4200 General Methods II: Strategies for Diverse Learners	1
EDRD 4200 Interventions for Struggling Readers	2
EDMA 4000 Math Methods II	2
EDSC 4200 Social Studies/Science/Health Methods	3
EDU 4941 Elementary Internship A**	10

Internship Quarter must be taken concurrently*

EDU 4899 Teacher as Person	2
EDTC 4236 Integration of Technology for Primary Teachers	1
EDU 4942 Elementary Internship B**	15

*Prerequisites: successful completion of Integrated Quarter.

**A grade of B or better is required.

Note: Integrated and Internship Quarters must be taken sequentially.

Secondary Certification Requirements

Endorsements: See SOE office for complete list. 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 class with a grade of C or better.

Foundations Quarter

Must be taken concurrently

EDU 2104 Introduction to Education	2
EDU 2200 Foundations and Educational Psychology	3
EDU 2300 Diversity and the Classroom	3

Methods and Skills Courses

A student must receive a grade of C or better in all methods and skills courses to be recommended for certification.

EDRD 4530 Reading and Writing Across the Curriculum	2
EDU 4530 Topics in Secondary Education	2
EDU 3942 September Experience*	1

Endorsement Area:

Students choose appropriate methods course(s) from the following list according to their endorsement area(s).

English or English/Language Arts	
EDU 3361 Secondary English Methods	3
EDU 3561 Field Experience: Secondary English	1

Family and Consumer Science

FCS 4511 Curriculum and Evaluation in FCS Education	5
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Foreign Languages (French, German or Spanish)

LIN 2100 Foundations of Language Study	5
LIN 4365 Methodology of Foreign Language Teaching	3

History or Social Studies

EDU 4364 Teaching Secondary Social Studies	3
EDU 3564 Field Experience: Secondary Social Studies	1

Mathematics

EDMA 3357 Teaching Secondary Mathematics	3
EDU 3557 Field Experience: Secondary Mathematics	1

Middle Level

EDU 4315 Middle School Methods	3
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Science (Biology, Chemistry, Physics, or Earth Science)

EDSC 3359 Teaching Secondary Science	3
EDU 3559 Field Experience: Secondary Science	1

*September Experience should be taken the September following Foundations Quarter.

Note: The above courses are offered only once or twice a year. Candidates should take them after the Foundations Quarter.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education (see page 102); and fingerprint clearance. Passing score on WEST-B test and having taken the WEST-E/Praxis II test.

<i>Must be taken concurrently</i>	
EDU 3250 Secondary General Methods I	2
EDU 3105 Lab Experience	3

A grade of B or better is required.

Integrated and Internship Quarters

Prerequisites include successful completion of the Methods Quarter; completion of 15 upper-division credits in your 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 Quarter must be taken concurrently

EDU 4250 Secondary General Methods II	3
EDU 4945 Secondary Internship A	15
Internship Quarter must be taken concurrently	
EDTC 4237 Integration of Technology for Secondary Teachers	1
EDU 4899 Teacher as Person	2
EDU 4946 Secondary Internship B	15

Note: Integrated and Internship Quarters must be taken sequentially.

K-12 Certification Requirements for Art, Drama, Music, and Health/Fitness

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.

<i>Must be taken concurrently</i>	
EDU 2104 Introduction to Education	2
EDU 2200 Foundations and Educational Psychology	3
EDU 2300 Diversity and the Classroom	3

Methods and Skills Courses

EDU 3942 September Experience*	1
EDU 4530 Topics in Secondary Education	2

Art

ART 3546 Art Education	3
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Drama

TRE 3800 Theatre Education Methods	3
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Music

MUS 3503 General Music Methods	3
MUS 3504 Choral Music Methods	2
MUS 3505 Instrumental Music Methods	2

Health/Fitness

PES 3510 Teaching Physical Education	5
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*September Experience should be taken the September following Foundations Quarter.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education (see page 102); and fingerprint clearance. Passing score on WEST-B test and having taken WEST-E/Praxis II test.

<i>Must be taken concurrently</i>	
EDU 3250 Secondary General Methods I	2
EDU 3105 Lab Experience	3

Note: A grade of B or better is required.

Integrated and Internship Quarter

Prerequisites include successful completion of the Methods Quarter; completion of 15 upper-division credits in your 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 Quarter must be taken concurrently

EDU 4200 Elementary General Methods II	1
EDU 4941 Elementary Internship A	16

Internship Quarter must be taken concurrently

EDTC 4236 Integration of Technology for Primary Teachers(1) or EDTC 4237 Integration of Technology for Secondary Teachers (1)	1
EDU 4800 Teacher as Person	2
EDU 4945 Secondary Internship A	15

Note: Integrated and Internship Quarters must be taken sequentially.

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 coordinator. The majors listed below are specially designed for students who are seeking elementary certification. However students seeking elementary endorsement are not limited to these majors.

Family and Consumer Sciences

Barbara Bovy, Advisor, Family, and Consumer Sciences (FCS)

52-58 credits, 25 upper division

FCS Core	9-10
FCS 1050 Introduction to FCS	2
FCS 3240 Individual and Family Development	5
FCS 4899 Foundations and Contemporary Issues	3

FCS Courses for Elementary Certification 49-55

BIO 1100 Human Nutrition (5) or FCS 2385 Food and the Consumer (3)	3-5
FCS 2365 Food Science	5
FCS 1710 Design Fundamentals (5) or FCS 2702 Intro to Interior Design (3)	3-5
FCS 3220 Child Development	3
FCS 3385 Food and Culture (3) or FCS 3710 Family Housing (5)	3-5
FCS 3410 Individual and Family Finance	4
FCS 3460 Family Resource Management	3
FCS 3875 Appearance and Culture	3
FCS 3564 Presentation Skills	4
FCS 4240 Family Relations	3
FCS 4250 Strategies in Early Childhood	3
FCS 4511 Curriculum and Evaluation in FCS Education	5

Total credits for elementary FCS education 49-55

Total Credits for majors 58-65



"Education brings hope! Students hope education brings a better life. We seek to link their immediate hope to our eternal hope in Christ. This link brings hope to our communities as our candidates become teachers."

Frank Kline
Education

Fine and Applied Arts**Andrew Ryder**, Advisor, Theatre Department
65-66 credits, 23 upper-division**Visual Arts** (19 credits)

ART 1180 The Visual Arts	5
ART 1102 Drawing Studio (5)	
or ART 1103 Drawing Studio (5)	5
ART 3546 Art Education-Elementary (3)	3
Select one course from the following:	
ART 3602 History of Ancient Art (5)	
ART 3603 History of Early Christian and Medieval Art (5)	
ART 3604 History of Renaissance and Baroque Art (5)	
ART 3605 History of Modern Art (5)	
ART 3607 History of American Art (5)	5

ART 2302 Painting Studio-Oil (3)	
or ART 3315 Painting Studio-Watercolor (3)	3

Communication/Integration (10 credits)

FCS 1710 Design Fundamentals	5
COM 4323 Performing Literature	5

Music (16-17 credits)

MUS 1101 Musicianship	5
MUS 4402 History and Appreciation of Jazz "W"	5
Select two courses from the following to total 3-4 credits.	3-4
MUS 1250 Beginning Keyboard (2)	
or MUS 1251 Intermediate Keyboard (2)	
MUS 1260 Beginning Voice (2)	
MUS 1270 Beginning Folk Guitar (1)	
or MUS 1271 Intermediate Folk Guitar (1)	

Choose one of the following to total: 3

MUS 3501 Elementary Methods and Materials (3)	
MUS 3502 Music for Special Education (3)	
MUS 3503 General Music Methods and Materials (3)	

Theatre (18 credits)

TRE 1110 The Theatre Experience	5
TRE 1310 The Actor's Art (5)	
or TRE 1340 Acting One (5)	5
TRE 3710 Play Directing (5)	5
TRE 3800 Theatre Education Methods (3)	
or TRE 4770 Creative Dramatics (3)	3

*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
52-55 credits, 23 upper-division

COM 1101 Introduction to Interpersonal Communication	5
COM 4323 Performing Literature	5
EDRD 4516 Children's Literature	3
EDRD 4517 Young Adult Literature	3
ENG 2253 American Literature: Beginnings to 1900	5
ENG 3180 Advanced Grammar	3
ENG 3334 American Ethnic Literature	5
LIN 2100 Foundations of Language Study	5

Select two courses from the following:

ENG 2248 New International Fiction (5)	
ENG 2251 English Literature: Beginnings Through Milton (5)	
ENG 2252 English Literature: Restoration Through Victorian (5)	
ENG 3246 European Literature: Homer to Dante (5)	
ENG 3247 European Literature: Cervantes to Camus (5)	
EUR 3287 Mythology in Literature (5) "W"	10

Select two courses from the following:

ENG 2201 Intermediate Writing (3)	
ENG 2215 Imaginative Writing (3)	
ENG 3301 Advanced Expository Writing (3) "W"	
ENG 3318 Creative Nonfiction (3) "W"	6

Select one of the following:

TRE 1110 Theatre Experience (5)	
TRE 1310 The Actor's Art (5)	

TRE 1931/3931 Production Practicum (2)	
TRE 3800 Theatre Education Methods (3)	
TRE 4770 Creative Dramatics (3)	2-5

Total 52-55*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****Sharon Young**, Advisor, Mathematics Department
54 credits, 23 upper-division

MAT 1225 (5) and MAT 1226 Calculus (5)	10
MAT 1360 Introduction to Statistics	5
MAT 1521 Introduction to Contemporary Mathematics (5)	5
or MAT 1228 Series and Differential Equations (5)	5
MAT 2401 Linear Algebra	3
MAT 2530 (3) and MAT 2531 (2) Survey of Mathematics I and II	5
MAT 2720 Discrete Mathematics	3
EDMA 3000 Math Methods I	2
EDMA 3357 Teaching Secondary Mathematics	3
EDMA 4000 Math Methods II	2
MAT 4610 The Evolution of Mathematical Thought "W"	3
MAT 4930 Practicum in Mathematics	1
MAT 4899 Senior Capstone Seminar "W"	3
Additional credits in MAT courses numbered 3000-4999	9

Total 54*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**Advisor, School of Education
60 credits, 15 upper-division

Students need 10-15 credits in each of four natural science divisions: biology, chemistry, earth sciences, and physics/astronomy. Recommended courses are the following:

Biology	
BIO 2101, 2102, 2103	15
Chemistry	
CHM 1211 and 1330 or 3371	10
Students interested in taking additional chemistry should take CHM 2371.	
Earth Science	
PHY 1150 and EDSC 2566	10
PHY 1110 and PHY 1135	10

Disciplinary Emphasis	
Required to select one area: biology, chemistry, or physics	15 upper-division
Biology Emphasis	
Choose 15 credits from BIO 3310 "W," BIO 3325 "W," BIO 3351, BIO 3453, BIO 4330, BIO 4615 "W," BIO 4950	
Chemistry Emphasis	
Choose 15 credits from CHM 3225, CHM 3540, CHM 4361	
Physics Emphasis	
Choose 15 credits from PHY 3120 "W," PHY 3311, PHY 4242, PHY 4243	

Total 60*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 61-65 credits, 23 upper-division	
HIS 2502 The United States to 1876 (5)	
or HIS 3501 Colonial and Revolutionary America "W" (5)	5
HIS 2503 The United States Since 1876	5
Non-American history (upper-division recommended)	5

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 61-65 credits, 23 upper-division	
HIS 2502 The United States to 1876 (5)	
or HIS 3501 Colonial and Revolutionary America "W" (5)	5
HIS 2503 The United States Since 1876	5
Non-American history (upper-division recommended)	5

Upper-division History elective	5
HIS 3600 History of the Pacific Northwest	5
Select one course from the following:	
ECN 1100 Fundamentals of Economics (5)	
ECN 2101 Principles of Microeconomic (5)	
ECN 2102 Principles of Macroeconomics (5)	5
GEO 1110 World Regional Geography	5
POL 1120 American Government and Politics	5
PSY 1180 General Psychology	5
SOC 1110 Introduction to Sociology	5
One Course in Cultural Anthropology	3-5

Two upper-division elective courses from the following disciplines: ANT, GEO, POL, PSY, or SOC

Total 61-65*Note: Social science majors need to plan carefully so as to meet the University "W" requirement for graduation.***Special Education (K-12)**

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 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

45 credits	
EDSP 3107 Exceptionality in the Classroom	3
PSY 2470 Life Span Developmental Psychology	5
EDRD 2000 Reading I: Psychology of Reading	3
EDSP 4642 Individual Education Programs "W"	3
EDSP 4646 Severe Disabilities	3
EDSP 4648 Teaching Students With Behavior Disorders	3
EDSP 4651 Special Education Assessment	3
EDSP 4652 Learning Disabilities	3
EDSP 4653 Teaching Reading to Exceptional Students "W"	3
EDSP 4657 Behavior Management: Applied Behavioral Analysis	3
EDSP 4899 Senior Seminar: Issues in Special Education "W"	3
EDSP 4943 Elementary	
or EDSP 4948 Secondary Special Internship	10-18
Total	45-53

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.	
<i>Must be taken concurrently</i>	
EDU 2104 Introduction to Education	2
EDU 2200 Foundations and Educational Psychology	3
EDU 2300 Diversity and the Classroom	3

Methods and Skills Courses

Elementary Required	
MAT 2530 Survey of Math I	3
MAT 2531 Survey of Math II*	2
EDU 3942 September Experience**	1
Elementary Electives	
Minimum of two courses and 5-7 credits	
ART 3546 (3), EDRD 2000*** (3), EDRD 3200 (2), EDRD 4200 (2), EDSC 2566**** (5), EDSC 4200 (3), MUS 3502 (3), PES 3510 (5), PES 3545 (3)	

*Prerequisite for EDMA 3000.

**September Experience should be taken the September following Foundation Quarter.

***Prerequisite for EDRD 3200 and EDRD 4200.

****Prerequisite for EDSC 4200.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education (see page 102); need successful completion of MAT 2530, MAT 2531; fingerprint clearance; passing scores on WEST-B test; take the appropriate WEST-E/Praxis II test.	
<i>Must be taken concurrently</i>	
EDU 3200 General Methods I: Classroom Management	1
EDMA 3000 Math Methods I	2
EDU 3105 Laboratory Experience	3

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).	
<i>Integrated Quarter must be taken concurrently</i>	
EDSP 4943 Elementary Special Education Internship A	15
EDU 4200 General Methods II: Strategies for Diverse Learners	1
EDMA 4000 Math Methods II	2
<i>Internship Quarter must be taken concurrently</i>	
EDSP 4944 Elementary Special Education Internship B	15
EDU 4800 Teacher as Person	2
EDTC 4236 Integration of Technology for Primary Teachers	1

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.

Must be taken concurrently

EDU 2104 Introduction to Education	2
EDU 2200 Foundations and Educational Psychology	3
EDU 2300 Diversity and the Classroom	3

Methods and Skills Courses

Secondary Required

EDU 3942 September Experience*	1
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Secondary Electives

Minimum of two courses and 6 credits

EDMA 3357 (3), EDSC 3359 (3), EDU 4364 (3), EDU 3361 (3), FCS 4511 (3), ART 3547 (3), PES 3510 (5), or one of MUS 3502 (3), MUS 3503 (3), MUS 3504 (3), MUS 3505 (3)	
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*September Experience should be taken the September following Foundations Quarter.

Methods Quarter

Prerequisites include successful completion of the Foundations Quarter; junior standing (90 credits); admission to the School of Education (see page 102); need successful completion of MAT 2530, MAT 2531; fingerprint clearance; passing scores on WEST-B test; take the appropriate WEST-E/Praxis II test.

Must be taken concurrently

EDU 3250 Secondary General Methods I	2
EDU 4250 Secondary General Methods II	3
EDU 4530 Topics in Secondary Education	2
EDU 3105 Laboratory Experience	3

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 Quarter must be taken concurrently

EDSP 4948 Secondary Special Education Internship A	15
EDU 4250 Secondary Gen. Methods II: Strategies for Diverse Learners	3

Internship Quarter must be taken concurrently

EDSP 4949 Secondary Special Education Internship B	15
EDU 4800 Teacher as Person	2
EDTC 4237 Integration of Technology for Secondary Teachers	1

Math Education

EDMA 3000 Math Methods I: Teaching K-8 Mathematics (2)

Registration approval: School of Education. 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 given to the NCTM standards and Washington state Essential Academic Learning Requirements. Corequisites: EDRD 3200, EDSC 3200, EDU 3105, and EDU 3200. Attribute: Upper-Division.

EDMA 3357 Teaching Secondary Mathematics (3) 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. Corequisite: EDU 3557. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDMA 4000 Math Methods II: Teaching K-8 Mathematics (2)

Registration approval: School of Education. 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. Corequisites: EDRD 4200, EDSC 4200, EDU 4200, and EDU 4941. Attribute: Upper-Division.

EDRD 2000 Reading I: Psychology of Reading (3) Registration

approval: School of Education. 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. To increase their understanding of the reading/language development process, students will tutor a child in reading.

EDRD 3200 Reading II: Reading and Language Arts Methods (2)

Registration approval: School of Education. 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. Includes a survey of current reading programs, their instructional design, and underlying view of the learner. Students will design unit and lesson plans to teach reading, writing, and language processes. Corequisites: EDMA 3000, EDSC 3200, EDU 3105, and EDU 3200. Attribute: Upper-Division.

EDRD 4200 Reading III: Intervention for Struggling Readers (2)

Registration approval: School of Education. 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. Corequisites: EDMA 4000, EDSC 4200, EDU 4200, and EDU 4941. Attribute: Upper-Division.

EDRD 4516 Children's Literature (3) 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. Attribute: Upper-Division. Class not open to freshmen.

EDRD 4517 Young Adult Literature (3) 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. Attribute: Upper-Division.

EDRD 4530 Reading and Writing Across the Curriculum (2)

Prerequisite: EDU 2104. Provides a functional approach to content-centered instruction that will prepare pre-service 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDSC 2566 Environmental Education for Elementary

Teachers (5) 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. Attribute: Natural Science B.

EDSC 3200 Social Studies/Science Methods I (1) 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. Corequisites: EDMA 3000, EDRD 3200, EDU 3105, and EDU 3200. Attribute: Upper-Division.

EDSC 3359 Teaching Secondary Science (3) 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. Corequisite: EDU 3559. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDSC 4200 Social Studies/Science/Health Methods II (3)

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. Corequisites: EDMA 4000, EDRD 4200, EDU 4200, and EDU 4941. Attribute: Upper-Division.

EDSC 4527 Nature of Elementary School Science (3) Intro-

duces science teaching strategies and processes of science (hypothesizing, designing experiments, etc.) using class activities from modern elementary science curricula. Attribute: Upper-Division.

EDSP 3107 Exceptionality in the Classroom (2-3) Registration

approval: School of Education. Examines the concept of difference, including influences of exceptionality on social and psychological roles. Presents strategies for inclusion of exceptional students in classrooms. Attribute: Upper-Division. Class not open to freshmen.

EDSP 4642 Individual Education Programs (3) Registration

approval: School of Education. 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.) Course equivalent: EDSP 6642. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

EDSP 4645 Psychology of the Gifted Individual (3) Registration

approval: School of Education. Prerequisite: EDSP 3107. Introduces identification of gifted and creative individuals and development of educational programs and resources for the gifted. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDSP 4646 Severe Disabilities (3) Registration approval: School

of Education. 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 interven-

tion, family problems, and other issues. Course equivalent: EDSP 6646. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDSP 4648 Teaching Students with Emotional and Behavior

Disorders (3) Registration approval: School of Education. Prerequisite: EDSP 3107. Provides special educators with knowledge related to characteristics and inclusion strategies for children and youth with behavior disorders or emotional disturbance. Course equivalent: EDSP 6648. Attributes: SPECIAL ED-Instr methods; and Upper-Division. Class not open to freshmen and sophomores.

EDSP 4651 Special Education Assessment (3) Registration

approval: School of Education. 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. Course equivalent: EDSP 6651. Attributes: SPECIAL ED-Assessment and evaluation; and Upper-Division. Class not open to freshmen and sophomores.

EDSP 4652 Disabilities of Learning and Attention (3)

Registration approval: School of Education. 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. Attributes: SPECIAL ED-Ait delivery and strategy; SPECIAL ED-Instr methods; Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

EDSP 4653 Teaching Reading to Exceptional Students (3)

Registration approval: School of Education. 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. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

EDSP 4657 Behavior Management (3) Registration approval:

School of Education. 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. Course equivalent: EDSP 6657. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDSP 4899 Issues in Special Education-Capstone (3) Registration

approval: School of Education. 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. Course equivalent: EDSP 6658. Attributes: Upper-Division; and Writing Course.

EDSP 4900 Independent Study (1-5) Registration approval:

Independent Study Agreement. Prerequisites: EDSP 3107. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

EDSP 4943 Elementary Special Education Internship A

(1-18) Registration approval: School of Education. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDSP 4944 Elementary Special Education Internship B (1-18) Registration approval: School of Education. Second 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDSP 4948 Secondary Special Education Internship A (1-18) Registration approval: School of Education. 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. Corequisite: EDU 4845. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDSP 4949 Secondary Special Education Internship B (1-18) Registration approval: School of Education. Prerequisites: See Integrated and Internship quarters program prerequisites. Provides opportunity for observation and daily teaching in special education under the direction of a master teacher. Extra fee. May be repeated for credit up to 18 credits. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDTC 2235 Introduction to Educational Technology (2) 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. Class not open to freshmen.

EDTC 3930 Practicum (1-5) Registration approval: Instructor. Attribute: Upper-Division.

EDTC 4236 Integration of Technology for Primary Teachers (1) 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 primary education community. Attribute: Upper-Division.

EDTC 4237 Integration of Technology for Secondary Teachers (1) 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 primary education community. Attribute: Upper-Division.

EDU 2103 Foundations of American Education (3) Registration approval: School of Education. Prerequisite: Admission to Professional Quarter One. Explores social, historical, and philosophical foundations of American education. Focuses on teaching and curricula from ancient times to the present. Provides opportunities to apply course content through service learning and field-related experiences. Corequisite: EDTC 2235. Class not open to freshmen.

EDU 2104 Introduction to Education (2) Registration approval: School of Education. 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 the 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. Corequisites: EDU 2200 and EDU 2300. Class not open to freshmen.

EDU 2200 Foundations and Educational Psychology (3) Registration approval: School of Education. 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. Corequisites: EDU 2104 and EDU 2300.

EDU 2300 Diversity and the Classroom (3) Registration approval: School of Education. 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. Corequisites: EDU 2104 and EDU 2200.

EDU 3105 Laboratory Experience (3) Registration approval: School of Education. Prerequisite: Foundations quarter. 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. Corequisites: EDMA 3000, EDRD 3200, EDSC 3200, and EDU 3200. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 3106 Laboratory Experience (3) Registration approval: School of Education. Gives students an opportunity for an additional, individualized laboratory experience. See EDU 3105. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 3200 Elementary General Methods I: Classroom Management (1) Registration approval: School of Education. 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. Corequisites: EDMA 3000, EDRD 3200, EDSC 3200, and EDU 3105. Attribute: Upper-Division.

EDU 3250 Secondary General Methods I: Planning and Classroom Management (2) Registration approval: School of Education. 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. Corequisite: EDU 3105. Attribute: Upper-Division.

EDU 3361 Secondary English Methods (3) 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. Corequisite: EDU 3561. Attribute: Upper-Division.

EDU 3542 Field Experience: Elementary Math and Science (1-2) Registration approval: School of Education. Prerequisite: Admission to the School of Education. This field experience will provide experiences teaching elementary math and 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. Corequisites: EDMA 4232 and EDSC 4234. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 3557 Field Experience: Secondary Mathematics (1) Registration approval: School of Education. 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. Corequisite: EDMA 3357. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 3559 Field Experience: Secondary Science (1) Registration approval: School of Education. 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. Corequisite: EDSC 3359. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 3561 Field Experience: Secondary English (1) Registration approval: School of Education. 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. Corequisite: EDU 3361. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 3564 Field Experience: Secondary Social Studies (1) Registration approval: School of Education. 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. Corequisite: EDU 4364. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 3942 September Experience (1) Registration approval: School of Education. 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 pre-service teacher. It will include any faculty meetings, preparation days, and in-service workshops that take place prior to the students' arrival at school. The intern will then remain through the beginning of the school year. Course equivalent: EDU 6942. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 4200 Elementary General Methods II: Strategies for Diverse Learners (1) Registration approval: School of Education. 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. Corequisites: EDMA 4200, EDRD 4200, EDSC 4200, and EDU 4941. Attribute: Upper-Division.

EDU 4230 Elementary General Methods: Theory Into Practice (2) Registration approval: School of Education. Prerequisite: Admission to the School of Education. Presents general factors that affect learning in the elementary classroom; development of teacher-pupil relationships, lesson planning, behavior guidance, assessment, and communicating with parents. Corequisites: EDRD 4231, EDU 4233, and EDU 4941. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4233 Social Studies Methods: Elementary Emphasis (3) Registration approval: School of Education. Prerequisite: Admission to the School of Education. Explores interdisciplinary approach for teaching elementary school social studies and develops strategies for implementation in the classroom. Corequisites: EDRD 4231, EDU 4230, and EDU 4941. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4250 Secondary General Methods II: Strategies for Diverse Learners (3) Registration approval: School of Education. 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. Attribute: Upper-Division.

EDU 4315 Middle School Methods (3) Registration approval: School of Education. This course is designed to prepare students for internships in middle school or junior high school with special emphasis in collaboration and subject matter integration at the middle level and the social, moral, and cognitive parts of early adolescent development. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 4364 Teaching Secondary Social Studies (3) Registration approval: School of Education. 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. Corequisite: EDU 3564. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 4530 Topics in Secondary Education (2) Registration approval: School of Education. Explores major topics related to instruction in the secondary classroom, including student assessment, reading and study skills, and child abuse. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EDU 4845 Secondary Student Teaching Seminar (1) Registration approval: School of Education. These seminars will provide an opportunity for student teachers to share experiences from their internship, as well as a forum for developing additional ideas and skills in key areas of instruction and management. Special attention will be paid to developing explicit links between theory previously learned and the particular internship placement of each student. Concurrent enrollment in the first quarter of internship is required. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4899 Teacher as Person-Capstone (2) Registration approval: School of Education. Focuses on professional and spiritual aspects of teaching school law, governance, and finance. Uses a Seminar and case-study format. Also includes final portfolio check-out and job search information. Concurrent enrollment is required with the final quarter of internship. Attributes: Upper-Division; and Writing Course.

EDU 4900 Independent Study (1-5) Registration approval: Independent Study Agreement. Prerequisite: Admission to School of Education. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

EDU 4930 Education Practicum (1-5) Registration approval: Instructor.

EDU 4940 Student Teaching in the Elementary School (1-18) Registration approval: School of Education. Prerequisites: See Professional Quarters Three, Four, and Five elementary program prerequisites. Provides opportunity for observation and daily teaching for one quarter in elementary schools. Extra fee. May be repeated for credit up to 16 credits. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4941 Elementary School Internship A (1-18) Registration approval: School of Education. 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. Corequisites: EDMA 4000, EDRD 4200, EDSC 4200, and EDU 4200. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4942 Elementary School Internship B (1-18) Registration approval: School of Education. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4943 Elementary Internship: Music (1-18) Registration approval: School of Education. 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. Corequisite: EDU 3250. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4944 Elementary Internship: Art (1-18) Registration approval: School of Education. 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. Corequisites: EDU 4200 and EDU 4530. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4945 Secondary Internship A (1-18) Registration approval: School of Education. 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. Corequisites: EDU 4250 and EDU 4530. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4946 Secondary Internship B (1-18) Registration approval: School of Education. 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. Corequisite: EDU 4899. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4948 Elementary Internship: Physical Education (1-18) Registration approval: School of Education. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

EDU 4951 International Elementary School Internship (1-18) Registration approval: School of Education. 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. Attribute: Upper-Division.

EDU 4952 International Secondary School Internship (1-18) Registration approval: School of Education. 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. Attribute: Upper-Division.

Faculty

Scott Beers, Assistant Professor of Curriculum; B.A., Yale University, 1990; M.A., University of Colorado, 1996; Ph.D., University of Washington, 2004. At SPU since 2004.

Dirk (Rick) Eigenbrood, Associate Professor of Doctoral Education; Director, Doctoral Studies and Graduate Programs; Chair, Special Education; A.B., Dordt College, 1974; M.Ed., University of Washington, 1979; Ph.D., University of Iowa, 1988. At SPU since 2001.

Ruth H. Givens, Associate Professor; Chair, Master of Arts in Teaching; B.S., Tulsa University, 1971; M.T.A., Tulsa University, 1980; Ed.D., Oklahoma State University, 1996. At SPU since 2002.

Sharon E. Hartnett, Assistant Professor of Education; B.A., Whitworth College, 1978; M.A.T., Whitworth College, 1985; Ph.D., Gonzaga University, 1999. At SPU since 2000.

Frank M. Kline, Associate Professor of Education; Assistant Dean for Teacher Education; B.S., Greenville College, 1978; M.Ed., Wichita State University, 1981; Ph.D., University of Kansas, 1989. At SPU since 1996.

Debra S. Lierman, Assistant Professor of Education, Placement Coordinator; B.A., Seattle Pacific University, 1978; M.A., Seattle Pacific University, 1985; Ed.D., Seattle Pacific University, 2004. At SPU since 2002.

Nyaradzo H. Mvududu, Associate Professor of Education; B.S., University of Zimbabwe, 1988; M.B.A., University of Washington, 1996; Ed.D., Seattle Pacific University, 2002. At SPU since 2003.

Annette B. Robinson, Associate Professor of Special Education; B.A., University of Washington, 1966; M.Ed., 1969; Ph.D., 1976. At SPU since 1977.

William J. Rowley, 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.

Richard Scheuerman, Assistant Professor of Curriculum and Instruction, B.A., Washington State University, 1973; M.A., Pacific Lutheran University, 1977; Ph.D., Gonzaga University, 1992. At SPU since 2004.

Engineering

Otto Miller Hall
(206) 281-2140
www.spu.edu/depts/egr

Anthony Donaldson, Director, **Kevin Bolding**, EE Chair, **Don Bowie**, **Brad Gjerding**, **Donald Peter**, **Melani Plett**

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 to create economically 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. A more complete description of our vision and goals is found at the Web site www.spu.edu/depts/egr/vision.

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). We are currently seeking the same accreditation for the BSCPE degree retroactive to our first graduating class in 2000. 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 and an opportunity to minor in global and urban ministries.

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, Columbia University in New York, and the University of Southern California. For example, if a student is interested in aeronautical, civil, or mechanical engineering, 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 would spend two years in civil or mechanical engineering to complete the second degree. Details of this 3/2 transfer program are available from the engineering program director. 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.

Evening Electrical and Computer Engineering Program

In addition to the day courses, evening courses in electrical and computer engineering make a BSEE or BSCPE degree available for students who work full-time during the day. Students are strongly advised to complete a direct transfer A.A. degree through Washington community colleges. Contact the director of engineering at (206) 281-2296 for more information.

Intern Program

All engineering majors are required to do an internship with industry or another career entity. Normally this internship is accomplished during the summer between their junior and senior years. In almost all cases the interns are paid. These internships are facilitated by the director of engineering.

Expectations of Entering 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. Scores higher than 1200 are given consideration for freshman engineering scholarships. Transfer students should have at least a 2.75 transfer GPA; and a 3.0 is preferred.

Admission to the Major

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 the major should be made in the spring of the sophomore year. The application includes an essay that reflects the student's engineering mission and goals. The engineering faculty will review these applications. Students with SPU grade point averages below 2.5 are normally not granted admission to the major. Transfer students (sophomores and beyond) apply in the first Spring Quarter after one full quarter of class work (12 or more hours) in the SPU engineering program. Students must be admitted to the major prior to taking senior (4000-level) courses and must have completed EE 2727.

Humanities and Social Science Requirement

To satisfy ABET accreditation guidelines, all 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.

EE majors are exempt from the SPU foreign language requirement.

Requirements for the Computer Engineering (CPE) Major	
129-32 credits; 62-65 upper-division	
Mathematics	
MAT 1225, 1226 Calculus	10
MAT 1228 Series and Differential Equations	5
MAT 2375 Probability	3
MAT 2376 Statistics	2
MAT 2401 Linear Algebra	3
Science	
PHY 1121, 1122, 1123 Physics for Science and Engineering	15
Computer Science	
CSC 1230 Programming	5
CSC 2430 Data Structures	5
CSC 2431 Data Structures II	5
CSC 3150 Systems Design	5
Engineering	
EGR 1401 Intro to Engineering	1
EGR 3000 Engineering Seminar	1
EGR 3730 Engineering Design or EE 3028	5-4
EGR 4740 Internship Prep	1
EGR 4940 Internship Report	1
EGR 4961 Senior Portfolio	1
Computer Engineering	
CPE 3280 Microcontroller System Design	5
CPE 3350 System Programming	4
CPE 3760 Computer Organization and Assembly Language	5
CPE 4211, 4212, 4899 Microprocessor System Design I, II, III	9
CPE 4760 Advanced Computer Architecture	4
Electrical Engineering	
EE 1210 Introduction to Logic System Design	5
EE 2726, 2727 Electric Circuits I, II	8
EE 3721, 3722 Electronics I, II	10
Electives	
Three courses from below or other approved upper-division:	
CPE 3550 Communication System Analysis	5
CPE 4150 Software Engineering	4
CPE 4350 Operating Systems	4
CSC 4750 Computer Networks	4
EE 3410 Signal Analysis	5

Requirements for the Computer Engineering (CPE) Minor	
34 credits; 15 upper-division	
CSC 1230 Programming	5
CSC 2430 Data Structures	5
CSC 3150 Systems Design	5
CPE 3760 Computer Organization	5
CPE 3280 Microcontroller System Design	5
EE 1210 Introduction to Logic System Design	5
EE 2726 Electric Circuits	4

Requirements for the Electrical Engineering (EE) Major	
142-146 credits; 64-68 upper-division	
Refer to pages 60-62 for a summary of degree requirements.	

The following coursework is required of all students majoring in electrical engineering:

Mathematics	
MAT 1225, 1226 Calculus	10
MAT 1228 Series and Differential Equations	5
MAT 2228 Multivariable Calculus	3
MAT 2375 Probability (or approved upper-division math related)	2
MAT 2401 Linear Algebra	3

Science	
CHM 1211 General Chemistry (Requirement met with other science if high school chemistry was completed.)	5
BIO 2000-level or higher (UScholars are exempt.)	5
PHY 1121, 1122, 1123 Physics for Science and Engineering	15

Computer Science	
CSC 1230 Problem Solving and Programming	5
CSC 2430 Data Structures and Programming	5
Technical Electives	14-16

Many upper-division science and engineering classes will qualify. A current list is available from the EE chair at the beginning of Autumn Quarter.

Engineering	
EGR 1125 Engineering Study Preparation	1
EGR 1402 Intro to Engineering I	1
EGR 3000 Engineering Seminar	1
EGR 3402 Intro to Engineering II (required for transfer students only)	2
EGR 4740 Intern Preparation	1
EGR 4940 Engineering Internship	1

Electrical Engineering	
EE 1210 Introduction to Logic System Design	5
EE 2726, 2727, 3028 Electric Circuits I, II, III	12
EE 3280 Microcontroller System Design	5
EE 3410 Signal and System Analysis	5
EE 3550 Communication System Analysis	5
EE 3721, 3722 Electronics I, II	10
EE 3730 Electronic Design	5
EE 3760 Computer Organization and Assembly Language	5
EE 4211, 4212, 4899 Microprocessor System Design I, II, III	9
EE 4310 Electromagnetics	5
EE 4450 Control System Design	5
EE 4961 Senior Portfolio	1
Total	142-146

Note: Because engineering courses require many mathematics and science prerequisites, the electrical engineering major must specify those prerequisites, leaving few electives. However, the 15-credit natural-science general education requirement is met by the courses in this major. Note that electrical engineering students are not required to fulfill the foreign language competency. The BSEE degree can be completed in four years by taking approximately 17 credits per quarter. A four-year plan is available from the department. Taking and passing the online practice EE exam is required.

Requirements for the Electrical Engineering Minor	
37 credits; 24 upper-division	
The minor in electrical engineering consists of basic digital and analog circuits courses, plus 15 credits of elective EE courses.	
EE 3760 Computer Organization and Assembly Language	5
EE 1210 Introduction to Logic System Design	5

EE 2726 Circuits I	4
EE 2727 Circuits II	4
EE 3028 Circuits III	4
EE courses (upper-division)	15
Total	37

Requirements for Engineering and Applied Science (EAS) Major

The engineering and applied science major offers a unique program that combines a basic engineering foundation with an applied science. Because engineering courses require many mathematics and science prerequisites, the engineering and applied science major must specify those prerequisites, leaving few electives. However, the 15-credit natural-science general education requirement is met by the courses in this major. Normally, the BSEAS degree can be completed in four years by taking approximately 16 credits per quarter. The following coursework is required of all students majoring in engineering and applied science:

EAS Core Requirements	
103-140 credits; 27-50 upper-division	
Refer to pages 60-62 for a summary of degree requirements.	

Mathematics	
MAT 1225, 1226 Calculus	10
MAT 1228 Series and Differential Equations	5

Science	
BIO 2000-level or higher (UScholars are exempt.)	5
CHM 1211 General Chemistry (requirement met with other science if high school chemistry was completed.)	5
PHY 1121, 1122, 1123 Physics for Science and Engineering	15

Engineering Science	
CSC 1230 Problem Solving and Programming	5
EGR 1401 Intro to Engineering I	1
EGR 1125 Engineering Study Prep (x3)	3
EGR 3401 Intro to Engineering II (required for transfer students only)	2
EGR 2891 Statics	4
EGR 3000 Engineering Seminar	1
EGR 3405 Thermodynamics	5
EGR 3841 Dynamics	5
EGR 4740 Internship Preparation	1
EGR 4940 Engineering Internship	1
EGR 4961 Senior Portfolio	1

Electrical Engineering	
EE 2726, 2727 Electric Circuits I, II	8
EGR 3730 Engineering Design (5) or EE 4311 Optics and Lasers (5)	5
Total	68-69

Note: ECN 1100 Fundamentals of Economics is a recommended general education course.

In addition to the courses above, one of the following options must be satisfied by completing the minimum coursework listed:

EAS Options	
Bio-Engineering	
BIO 3325 Genetics	5
CHM 2371, 2372 Organic Chemistry	10
CHM 3225 Chemical Equilibrium and Analysis	5
EGR 3800 Biomedical Engineering I	5
EGR 4352 Cell Biology	5
Tech Electives (2)	10

Many upper-division science and engineering classes will qualify. A current list is available from the director at the beginning of Autumn Quarter.

Total (including EAS core courses)	120
Environmental Engineering	
BIO 2103 General Biology	5
BIO 3310 Ecology	5

CHM 2371 Organic Chemistry	5
CHM 3225 Chemical Equilibrium and Analysis	5
EGR 3226 Quantitative and Instrumental Analysis	5
EGR 3600 Environmental Engineering I	5
Tech Electives (2)	10

Many upper-division science and engineering classes will qualify. A current list is available from the director at the beginning of Autumn Quarter.

Total (including EAS core courses)	120
Mission Applications	

BUS 2700 Statistics	5
EE 3500 Power Systems	5
EE 4950 Topics in EE (5) or EE 3550 Communication System Analysis (5)	5
EGR 3550 Alternative Energies	5
EGR 3600 Environmental Engineering I (5) or EE 3510 Introduction to Power Electronics (5)	5
EGR 4311 Engineering Senior Design Lab	5
EGR 4940 Engineering Internship (taken for 5 credits not 1)	5
Total (including EAS core courses)	103-104

Engineering Physics	
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PHY 2321 Intermediate Physics	5
PHY 3312, 3313 Advanced Physics Lab	4
PHY 3401 Thermodynamics	4
EGR 2391 Introduction to Material Science	5
EGR 3841 Dynamics	5
EE 1210 Intro to Logic System Design	5
EE 3028 Circuits III Design	4
EE 3721 Electronics I, II	10
EE 3280 or 3410 Microcontrollers or Signals and Systems	5
EE 3760 Computer Organization	5
EE 4310 Electromagnetics	5
MAT 2228 Multivariable Calculus	3
MAT 3724 Applied Analysis	3
Total (including EAS core courses)	120-121

Students may wish to obtain their Christian liberal arts and basic engineering education at SPU. Later they may want to transfer to another university and obtain an engineering degree not offered at SPU. Contact the director of engineering for more information.

Engineering Transfer Program Curriculum

Students may select mathematics, science and engineering courses, which they may transfer, from the following list:

Mathematics	
MAT 1225, 1226 Calculus	10
MAT 1228 Series and Differential Equations	5
MAT 2228 Multivariable Calculus	3
MAT 2401 Linear Algebra	3

Science	
CHM 1211 General Chemistry	5
CHM 2371, 2372 Organic Chemistry	10
PHY 1121, 1122, 1123 Physics for Science and Engineering	15

Engineering Science	
CSC 1230 Problem Solving and Programming	5
CSC 2430 Data Structures and Programming	5
EE 1210 Introduction to Logic Circuit Design	5
EE 2726, 2727 Circuits I, II	8
EGR 2391 Material Science	5
EGR 2891 Statics	4
EGR 3401 Thermodynamics	4
EGR 3841 Dynamics	5

Computer Engineering Courses

CPE 3280 Microcontroller System Design (5) 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. Course equivalent: EE 3280. Attribute: Upper-Division.

CPE 3350 Operating Systems Programming (4) 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. Course equivalent: CSC 3350. Attribute: Upper-Division.

CPE 3550 Communication System Analysis (5) 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. Course equivalent: EE 3550. Attribute: Upper-Division.

CPE 3760 Computer Organization and Assembly Language (5) Prerequisite: CSC 2430 and EE 1210. Study of organization and structuring of the major hardware and software 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. Course equivalents: CSC 3760 and EE 3760. Attribute: Upper-Division.

CPE 4150 Software Engineering (4) 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. Course equivalent: CSC 4150. Attribute: Upper-Division. Class open to seniors.

CPE 4211 Microprocessor-Based Mixed Signal System Design I (3) 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. Course equivalent: EE 4211. Attribute: Upper-Division.

CPE 4212 Microprocessor-Based Mixed Signal System Design II (3) 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. Course equivalent: EE 4212. Attribute: Upper-Division.

CPE 4350 Advanced Operating Systems (4) 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. Course equivalent: CSC 4350. Attribute: Upper-Division.

CPE 4760 Advanced Computer Architecture (4) 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. Course equivalent: CSC 4760. Attribute: Upper-Division.

CPE 4899 Microprocessor-Based Mixed Signal System Design III (3) 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 and writing reflective responses. Completion of the University's Christian Faith Exploration (CFE) Senior Project is required. Course equivalent: EE 4899. Attributes: Upper-Division; and Writing Course.

CPE 4900 Independent Study (1–5) Registration approval: Independent Study Agreement.

Electrical Engineering Courses

EE 1210 Introduction to Logic System Design (5) 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.

EE 2726 Electric Circuits I (4) Prerequisite: MAT 1228. 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 state variable analysis. Includes lab problems and introduction to PSPICE and MATLAB computer software. The first of a three-course sequence in which the engineer as servant is discussed.

EE 2727 Electric Circuits II (4) Prerequisite: EE 2726. Introduction to second-order state variable analysis. Alternating current theory and analysis, power, frequency response, resonance and polo-zero concepts. Introduction to three-phase systems, transformers, and analog filter design. Includes lab problems, PSPICE, and MATLAB.

EE 3000 Electrical Engineering Seminar (1) Seminar, small-group discussion, and Colloquia on topics related to the engineering mission statement and goals. Attribute: Upper-Division.

EE 3028 Electric Circuits III (4) Prerequisite: EE 2727. Introduction to Laplace transforms applied to network analysis, signal processing, two-port theory, three-phase, and filtering. The lab portion includes a design project, the use of Pspice, Matlab, and Labview. Includes a quarter-long, team-based design project. Attribute: Upper-Division.

EE 3280 Microcontroller System Design (5) 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. Course equivalent: CPE 3280. Attribute: Upper-Division.

EE 3410 Signal and System Analysis (5) 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. Attribute: Upper-Division.

EE 3500 Introduction to Power Systems (5) 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. Attribute: Upper-Division.

EE 3510 Introduction to Power Electronics (4) Prerequisite: EE 3722. Studies semiconductor switching devices, rectification; switch-mode AC-DC, DC-DC, converters; switching dc power supplies, conditioners and uninterruptible supplies, residential, and industrial applications. Includes laboratory exercises. Attribute: Upper-Division.

EE 3550 Communication System Analysis (5) 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. Course equivalent: CPE 3550. Attribute: Upper-Division.

EE 3721 Electronics I-Analog Devices and Circuits (5) 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. Attribute: Upper-Division.

EE 3722 Electronics II Analog Electronics (5) 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. Attribute: Upper-Division.

EE 3730 Engineering Design (5) Prerequisite: EE 3722. Team design and construction of industrial or self-designed projects. Typical EE projects require analog and digital electronic circuit design, development, construction and testing. Required components include formal documentation and the use of project management tools and principles. Interdisciplinary projects are encouraged. All projects require oral and written reports. Includes review and analysis of professional papers within a student's discipline. Includes project teaming with business students from the Operations Management course. Course equivalent: EGR 3730. Attributes: Upper-Division; and Writing Course.

EE 3760 Computer Organization and Assembly Language (5) Prerequisites: CSC 2430 and EE 1210. Study of organization and structuring of the major hardware and software 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. Course equivalents: CPE 3760 and CSC 3760. Attribute: Upper-Division.

EE 4211 Microprocessor-Based Mixed Signal System Design I (3) 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 project (a nondisclosure 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 several design reviews, and build a working prototype system. Course equivalent: CPE 4211. Attribute: Upper-Division.

EE 4212 Microprocessor-Based Mixed Signal System Design II (3) Prerequisite: CPE/EE 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 they continue to refine the prototype hardware and software designs from EE 4211. Teams write detailed technical reports and submit their designs to design reviews. Periodic progress reports and team presentations are required. Course equivalent: CPE 4212. Attribute: Upper-Division.

EE 4310 Electromagnetics (5) 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, waveguides, and antennas. Includes computer and laboratory experiments. Course equivalent: PHY 4310. Attribute: Upper-Division.

EE 4311 Optics and Lasers (5) Prerequisite: PHY 4310. General theory of geometrical optics, physical optics, fiber optics, polarization, and coherent states and optical devices. Four lectures and one laboratory each week. Offered on demand. Course equivalent: PHY 4311.

EE 4450 Control System Design (5) Prerequisite: EE 3410. Analog and digital control system design using root locus, frequency and PID methods. Includes a comprehensive design and test of a real-time digital control system. MATLAB and SIMULINK are used extensively as design tools. Attribute: Upper-Division. Class open to electrical engineering and engineering science majors.

EE 4491 Solid State Physics (2–5) Prerequisite: PHY 2321; PHY 4441 recommended. Focuses on lattice statics and dynamics, electrons and Fermi surfaces, transport phenomena, semiconductors, and superconductivity. Offered alternate years. Course equivalent: PHY 4491.

EE 4560 Wireless Communication Systems (5) Prerequisite: EE 3550. Students study radio frequency (RF) and other wireless communications systems with an emphasis on current methods and standards. Transmission and reception concepts including high- and low-gain antennas, power budget and analysis, attenuation, interference, fading, and bandwidth are studied. Modern wireless communications protocols used for mobile telephones, computer networking, and broadcast radio/television are explored in detail. Attribute: Upper-Division.

EE 4899 Microprocessor-Based Mixed Signal System Design III (3) 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 and writing reflective responses. Completion of the University's Christian Faith Exploration (CFE) senior project is required. Course equivalent: CPE 4899. Attributes: Upper-Division; and Writing Course.

EE 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

EE 4950 Topics in Electrical Engineering (1–5) Registration approval: Instructor. An advanced course studying a special interest topic in electrical engineering. Topics and credits may vary between offerings. Attribute: Upper-Division. Class open to electrical engineering and engineering science majors. Class not open to freshmen and sophomores.

EE 4960 Senior Project (1–5) Registration approval: Instructor. Student works with faculty advisor and most likely an industrial representative on a mutually agreed upon project. Requires submission of application to EE chair three weeks prior to the start of the quarter. Attribute: Upper-Division.

EE 4961 Senior Portfolio Evaluation and Presentation (1) Final preparation and evaluation of engineering portfolios. Components include design, internship, service, and growth. Course equivalent: EGR 4961. Attribute: Upper-Division. Class open to computer engineering, electrical engineering, and engineering and applied science majors. Class not open to freshmen and sophomores.

EGR 1125 Engineering Study Preparation (1) Required for all freshmen engineering non-honors students unless they receive a waiver from the results of the math test given the first week in calculus. Designed to provide additional skill sets in math and science problem solving, test taking, and study habits. Student will develop an individualized and accountable study/work plan to insure engineering success. Will be repeated for credit each of the first three quarters unless a score of B- or better is achieved in the previous quarter's math class. May be repeated for credit in the sophomore year. May be repeated for credit up to 5 credits.

EGR 1402 Introduction to Engineering I (1–2) Required for all freshmen engineering students. This course is an introduction to the engineering career field and includes guest speakers from industry, reports of student internships, interviews with engineers, and a team-based Lego mindstorm robotic design competition.

EGR 1501 Autocad (1-2) This course studies the fundamentals needed to use autocad programs.

EGR 2891 Statics (4) 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.

EGR 3000 Engineering Seminar (1) This course is for all EAS third-year students and is preparation for the particular EAS option. It will include seminars and small-group discussions on topics related to the various EAS upper-division topics and on the engineering mission statement and goals. Attribute: Upper-Division.

EGR 3226 Quantitative and Instrumental Analysis (5) Prerequisite: CHM 3225. Laboratory-oriented course, dealing with the theory and practice of quantitative analytical chemistry with emphasis on instrumental techniques. Instrumental analysis will include a variety of separation, spectroscopic, and electrochemical methods, includes engineering and clinical applications. Course equivalent: CHM 3226. Attribute: Upper-Division.

EGR 3391 Mechanics of Materials (4) Prerequisites: CSC 1230 and EGR 2891. Study of stress and strain, properties of materials, axial load, torsion, bending, shear, combined loads, design of beams, and shafts. Attribute: Upper-Division.

EGR 3401 Thermodynamics (5) Prerequisites: MAT 1228, and either PHY 1103 or 1123. Studies equilibrium and nonequilibrium, and properties of gases, liquids, and solids from thermodynamic processes. Engineering applications include elements of statistical thermodynamics. Course equivalents: CHM 3401 and PHY 3401. Attribute: Upper-Division.

EGR 3402 Introduction to Engineering II (2) 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. Attribute: Upper-Division.

EGR 3600 Environmental Engineering (5) 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. Attribute: Upper-Division.

EGR 3650 Alternative Energies (5) 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. Attribute: Upper-Division.

EGR 3730 Engineering Design (5) 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. Course equivalent: EE 3730. Attributes: Upper-Division; and Writing Course.

EGR 3800 Biomedical Engineering I (5) 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. Attribute: Upper-Division.

EGR 3841 Dynamics (5) Prerequisites: MAT 1228, MAT 2401, and either PHY 1101 or PHY 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. A team project and labs are included. Course equivalent: PHY 3841. Attribute: Upper-Division.

EGR 3871 Fluid Mechanics (5) 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. Attribute: Upper-Division.

EGR 4311 Engineering Senior Design Lab (5) Prerequisite: EGR 4940. Intended for EAS students only. Individualized or group senior project based on internship experience. Includes instruction on design and appropriate use of technology. Attribute: Upper-Division.

EGR 4352 Cell Biology (5) Prerequisites: BIO 3325 and CHM 2371. Examines structure and functions of bacteria, plants, and animals emphasizing cellular specialization, organelle models, and chemical dynamics. Includes laboratory. Course equivalent: BIO 4352. Attributes: Upper-Division; and Writing Course.

EGR 4740 Internship Preparation (1) Preparatory course for those taking EGR 4940, Engineering Internship. Includes résumé preparation, interviewing-skills development, exploration of job opportunities, oral presentation, and discussion of the Christian worldview on the internship experience. Attributes: Upper-Division; and Writing Course.

EGR 4900 Independent Study in Engineering (1-5) Registration approval: Independent Study Agreement. Student does an independent study under direction of a faculty member. Study of problems in a topic for which related courses have been completed. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

EGR 4910 Washington State FE/EIT Preparation (1) Registration approval: Engineering faculty. Seminar review of principles and problem solving in math, chemistry, physics, electrical engineering, engineering science, and engineering economics in the proportions these topics are covered in the Washington state FE/EIT test. Attribute: Upper-Division.

EGR 4930 Engineering Applications in Industry (1-10) Registration approval: Engineering faculty. Provides pre-arranged coordinated field experience in engineering employment in industry. A coordinating committee plans the program with the student and evaluates the learning experience. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

EGR 4940 Engineering Internship (1-5) Internship I 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. May be repeated for credit up to 5 credits. Attributes: Upper-Division; and Writing Course.

EGR 4961 Senior Portfolio Evaluation and Presentation (1) Final preparation and evaluation of engineering portfolios. Components include design, internship, service, and growth. Course equivalent: EE 4961. Attribute: Upper-Division. Class open to computer engineering and engineering, and applied science majors. Class not open to freshmen and sophomores.

Faculty

Kevin W. Bolding, Associate Professor of Computer and Electrical Engineering; Chair of Electrical Engineering Department; B.A., Rice University, 1988; M.S., University of Washington, 1991; Ph.D., 1993. At SPU since 1995.

Donald L. Bowie, Affiliate Professor of Electrical Engineering, B.S., University of Illinois, 1958, M.S. Seattle University, 1965. At SPU since 1990.

Anthony L. Donaldson, Professor of Electrical Engineering; Director of Engineering Programs; B.S., Texas Tech University, 1979; M.S., Texas Tech University, 1982; Ph.D., Texas Tech University, 1990; M.A., Asbury Theological Seminary, 1994. At SPU since 1998.

Donald Peter, Associate Professor of Electrical Engineering; B.S., Seattle Pacific College, 1974; M.S.E.E., University of Washington, 1976. NASA Faculty Fellow, J.P.L., Cal Tech, 1989. At SPU since 1987.

Melani I. Plett, Assistant Professor of Electrical Engineering; B.S.E.E., Seattle Pacific University, 1991; M.S.E.E., University of Washington, 1993; Ph.D. University of Washington, 2000. At SPU since 1993.

English

Marston Hall
(206) 281-2036
www.spu.edu/depts/eng/

Mark Walhout, Chair, **Tom Amorose**, **Christine Chaney**, **David Cho**, **Susan Gallagher**, **Jennifer Maier**, **Luke Reinsma**, **Kimberly Segall**, **Doug Thorpe**, **Tom Trzyna**, **Gregory Wolfe**, **Suzanne 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.

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 English Major	
<i>63 credits; 30 upper-division</i>	
English majors choose a concentration in either literature or creative writing. All majors take the core courses.	
Core Courses	
ENG 2225 Introduction to Literary Studies	5
ENG 2251 English Literature: Beginnings Through Milton	5
ENG 2252 English Literature: Restoration through Victorian	5
ENG 2253 American Literature: Beginnings to 1900	5
ENG 4225/6 Senior Seminar	5
ENG 4445 Shakespeare	5
ENG 4899 Senior Capstone in English	3
Total	33
Literature Concentration	
Choose at least one course from each of the following:	
British Literature	
ENG 3345 Medieval English Literature	5
ENG 3346 Literature of the English Renaissance	5
ENG 3348 Eighteenth-Century Literature	5
ENG 3348 Romantic Poetry and Fiction	5
ENG 3351 Victorian Literature	5
American Literature	
ENG 3235 Literature of the American Renaissance	5
ENG 3334 American Ethnic Literature	5
ENG 3336 The Age of Realism	5
ENG 4334 American Ethnic Literature: Special Topics	5
Twentieth-Century Literature	
ENG 3338 Contemporary Fiction	5
ENG 3352 Modern Fiction	5
ENG 4425 Modern Poetry	5
ENG 4426 Contemporary Poetry	5
European Literature	
CLA 3014 Survey of Ancient Greek Literature	5
CLA 3204 Survey of Classical Latin Literature	5
ENG 3246 European Literature: Homer to Dante	5
ENG 3247 European Literature: Cervantes to Camus	5
EUR 3287 Mythology in Literature	5
FRE 3205 Topics in French Literature	3-5
GER 3206 Topics in German Literature	3-5
RUS 2207 Russian Culture Through Literature	5
SPN 4401 Topics in Spanish Literature	3-5
Postcolonial Literature	
ENG 2248 New International Fiction	5
ENG 3380 Postcolonial African Literature	5
ENG 3381 Postcolonial Asian Literature	5
SPN 4501 Topics in Latin American Literature	3-5
Applied English	
ENG 4970 Independent Research in English	5
ENG 4930 English Practicum	1-5
ENG 4940 English Internship	1-5
Electives*	0-8
Total	30

*Electives include ENG 1110 and all ENG courses above 2000, with the exception of ENG 2201.

Creative Writing Concentration	
Writing	
Take all three of the following:	
ENG 2215 Imaginative Writing	3
ENG 3180 Advanced Grammar	3
ENG 4601 History of English	3
Contemporary Literature	
Choose at least two of the following:	
ENG 3338 Contemporary Fiction	5
ENG 3352 Modern Fiction	5
ENG 4425 Modern Poetry	5
ENG 4426 Contemporary Poetry	5
Choose at least one of these three genre sequences:	
Poetry	
ENG 3316 Workshop in Writing Poetry	3
ENG 4316 Advanced Poetry Writing	3
Fiction	
ENG 3317 Workshop in Writing Fiction	3
ENG 4317 Advanced Fiction Writing	3
Creative Nonfiction	
ENG 3318 Creative Nonfiction	3
ENG 4318 Advanced Creative Nonfiction	3
Applied English	
ENG 4970 Independent Research in English	5
ENG 4930 English Practicum	1-5
ENG 4940 English Internship	1-5
Electives*	0-5
Total	30

*Electives include ENG 1110 and all ENG courses above 2000 (with the exception of ENG 2201), as well as TRE 4760 Playwriting.

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.

Requirements for the Literature Minor

30 credits; 15 upper-division

ENG 2251 English Literature: Beginnings Through Milton	5
ENG 2252 English Literature: Restoration Through Victorian	5
ENG 2253 American Literature: Beginnings to 1900	5
ENG 4445 Shakespeare	5

Two upper-division courses from American, British, contemporary, European or postcolonial categories	10
Total	30

Note: This literature minor partially fulfills the requirements for a supporting endorsement on a teaching credential. See the School of Education section for additional requirements.

Requirements for the Writing Minor

30 credits; 15 upper-division

Writing minors choose an emphasis in either creative or professional writing.

Creative Writing Emphasis

ENG 2215 Imaginative Writing	3
ENG 3180 Advanced Grammar	3
ENG 4601 History of English	3

Choose at least one of the following genre sequences:

Poetry	
ENG 3316 Workshop in Writing Poetry	3
ENG 4316 Advanced Poetry Writing	3
Fiction	
ENG 3317 Workshop in Writing Fiction	3
ENG 4317 Advanced Fiction Writing	3
Creative Nonfiction	
ENG 3318 Creative Nonfiction	3
ENG 4318 Advanced Creative Nonfiction Writing	3
Electives*	15
Total	30
Professional Writing Emphasis	
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 English Internship	3
Electives*	15
Total	30

*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. 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.

Special Programs

Image: A Journal of the Arts and Religion. *Image* is a quarterly literary journal with editorial offices at SPU. For more information about the journal, visit the *Image* Web site at www.imagejournal.org. English majors may apply to work as interns on the editorial staff of the journal.

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 Web site.

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 Web site.

English Courses

ENG 0102 Writing Tutorial (2) 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. Corequisite: ENG 2201. Attribute: Remedial.

ENG 1110 Literature and Faith (5) 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; and Literature Core.

ENG 2201 Intermediate College Writing (3) Prerequisite: Score of 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: English Skills Competency; and Oral or Written Communication.

ENG 2215 Imaginative Writing (3) 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: English Skills Competency; and Oral or Written Communication.

ENG 2225 Introduction to Literary Studies (5) 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. Attribute: Writing Course.

ENG 2230 Literature of the American West (5) 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; and Literature Option.

ENG 2234 Literature by Women (5) 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; and Literature Option.

ENG 2248 New International Fiction (5) 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; and Literature Option.

ENG 2251 English Literature: Beginnings Through Milton (5) 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 English Literature: Restoration Through Victorian (5) Surveys major authors, themes, genres, and movements in British literature of the 18th and 19th centuries, including intellectual and social contexts.

ENG 2253 American Literature: Beginnings to 1900 (5) 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) Registration approval: Instructor. 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. Attribute: Upper-Division.

ENG 3180 Advanced Grammar (3) 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. Attribute: Upper-Division.

ENG 3205 Writing in the Professions (3) 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: English Skills Competency; Oral or Written Communication; Upper-Division; and Writing Course.

ENG 3235 Literature of the American Renaissance (5) 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. Attribute: Upper-Division.

ENG 3246 European Literature: Homer to Dante (5) 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. Attribute: Upper-Division.

ENG 3247 European Literature: Cervantes to Camus (5) 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. Attribute: Upper-Division.

ENG 3301 Advanced Expository Writing (3) 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. Attributes: English Skills Competency; Oral or Written Communication; Upper-Division; and Writing Course.

ENG 3310 Elements of Prosody (2) 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. Attribute: Upper-Division.

ENG 3311 Elements of Narrative (2) 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. Attribute: Upper-Division.

ENG 3316 Workshop in Writing Poetry (3) 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. Attribute: Upper-Division.

ENG 3317 Workshop in Writing Fiction (3) 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. Attribute: Upper-Division.



"Literature engages readers in a complex set of emotional, symbolic, moral, and intellectual considerations. It guides our exploration of the human experience by telling truths gracefully, by leading us to insight and reflection, and by imparting wisdom through an understanding of our lives and the lives of others."

Jennifer Maier
English

ENG 3318 Creative Nonfiction (3) Prerequisite: ENG 2201 or score of five to six on English Placement test. Examines the literary essay, emphasizing contemporary authors such as Diane Ackerman, Annie Dillard, and Barry Lopez; "schools" such as the New Journalism 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. Attributes: English Skills Competency; Oral or Written Communication; Upper-Division; and Writing Course.

ENG 3334 American Ethnic Literature (5) 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; Literature Option; and Upper-Division.

ENG 3336 The Age of Realism (5) 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. Attribute: Upper-Division.

ENG 3338 Contemporary Fiction (5) 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. Attribute: Upper-Division.

ENG 3345 Medieval English Literature (5) 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. Attribute: Upper-Division.

ENG 3346 Literature of the English Renaissance (5) 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. Attribute: Upper-Division.

ENG 3347 18th-Century Literature (5) 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. Attribute: Upper-Division.

ENG 3348 Romantic Poetry and Fiction (5) 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. Attribute: Upper-Division.

ENG 3351 Victorian Literature (5) 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. Attribute: Upper-Division.

ENG 3352 Modern Fiction (5) 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. Attribute: Upper-Division.

ENG 3380 Postcolonial African Literature (5) Prerequisite: ENG 1110, 2230, 2234, 2248, or 3334. 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. Attribute: Upper-Division.

ENG 3381 Postcolonial Asian Literature (5) Prerequisite: ENG 1110, 2230, 2234, 2248, or 3334. Examines the work of a variety of authors from the continent of Asia in the light of colonialism and its aftermath. Focuses primarily on English-language writers such as R.K. Narayan, Salman Rushdie, Anita Desai, Michael Ondaatje, and Kazuo Ishiguro. Offered alternate years. Attribute: Upper-Division.

ENG 3382 South African Literature and Theatre (5) Registration approval: Travel Studies form. 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; and Upper-Division.

ENG 3445 Shakespeare in Ashland (3) Registration approval: Travel Studies form. This page-to-stage course begins with an intensive study of several of Shakespeare's plays and concludes with their performance by the Oregon Shakespeare Festival in Ashland, Oregon. Requires original research written in response to one of these performances. Attribute: Upper-Division.

ENG 4225 Senior Literature Seminar (5) 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; and Writing Course. Class open to English majors. Class not open to freshmen and sophomores.

ENG 4226 Senior Creative Writing Seminar (5) Prerequisite: ENG 2215 or permission of instructor. Students will complete a significant creative writing project that draws upon their skills and experience as English majors. May be repeated for credit up to 10 credits. Attributes: Upper-Division; and Writing Course. Class open to English majors. Class not open to freshmen and sophomores.

ENG 4316 Advanced Poetry Writing (3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ENG 4317 Advanced Fiction Writing (3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ENG 4318 Advanced Creative Nonfiction (3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ENG 4334 American Ethnic Literature: Special Topics (5) 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. Attribute: Upper-Division.

ENG 4425 Modern Poetry (5) 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. Attribute: Upper-Division.

ENG 4426 Contemporary Poetry (5) 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. Attribute: Upper-Division.

ENG 4445 Shakespeare (5) 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. Attribute: Upper-Division.

ENG 4601 History of English (3) 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. Course equivalent: LIN 4601. Attribute: Upper-Division.

ENG 4661 The Best of C.S. Lewis (3) Identifies basic literary, philosophical, and theological categories of Lewis' works. Studies the great themes that permeate Lewis' literature by examining his major works. Attribute: Upper-Division.

ENG 4685 History of Literary Theory (5) 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. Attribute: Upper-Division.

ENG 4899 Senior Capstone in English (3) 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. Attribute: Upper-Division. Class open to English majors. Class open to seniors.

ENG 4900 Independent Study (1-5) Registration approval: Independent Study Agreement. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ENG 4921 Directed Readings in the C.S. Lewis Circle (1-5) Registration approval: Independent Study Agreement. 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), *Lord of the Rings* (Tolkien), *The Man Born to Be King* (Sayers), and *Descent Into Hell* (Williams). Attribute: Upper-Division.

ENG 4922 The British Novel (5) Surveys the history of the British novel through selected readings from the 18th century to the present day. Attribute: Upper-Division.

ENG 4930 English Practicum (1-5) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ENG 4940 Coop Education: English Internship (1-5) Registration approval: Intern Learning Contract req. 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. Course equivalent: JRN 4940. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ENG 4941 Coop Education: English Internship (1-5) Registration approval: Intern Learning Contract req. 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. Course equivalent: JRN 4941. Attribute: Upper-Division. Class not open to freshmen and sophomores.

ENG 4950 Special Topics (3-5) Topics will vary. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

ENG 4953 Writing Workshop: Special Topics (1-5) Registration approval: Instructor. Offers an intensive writing experience in a small workshop setting. Genres, themes, and locations vary. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

ENG 4970 Independent Research in English (5) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to English majors. Class open to seniors.

Faculty

Thomas Amorose, Professor of English; Director of Writing; B.A., Ohio State University, 1972; Ph.D., University of Washington, 1978. At SPU since 1996.

Christine Chaney, Assistant Professor of English; B.A., University of Washington, 1982; M.A., University of Washington, 1993; Ph.D., 1998. At SPU since 1999.

David Cho, Assistant Professor of English; B.A., University of Illinois-Urbana, 1995; M.A., Purdue University, 2001; M.F.A., Purdue University, 1999. At SPU since 2003.

Susan VanZanten Gallagher, Professor of English; Director of University Scholars; B.A., Westmont College, 1978; M.A., Emory University, 1981; Ph.D., 1982. At SPU since 1993.

Jennifer Maier, Associate Professor of English; B.A./B.S., University of Washington, 1985; M.A., 1987; Ph.D., Tulane University, 1998. At SPU since 1993.

Luke Reinsma, Professor of English; B.A., Calvin College, 1970; M.A., University of Michigan, 1974; Ph.D., 1978. At SPU since 1984.
Kimberly Segall, Assistant Professor of English; B.A. Calvin College, 1992; M.A., Northwestern University, 1996; Ph.D., 2001. At SPU since 2001.

Douglas Thorpe, Associate Professor of English; B.A., Beloit College, 1975; M.A., University of Washington, 1977; Ph.D., 1983. At SPU since 1988.

Thomas Trzyna, Professor of English; B.A., University of California, 1968; M.A., University of Washington, 1974; Ph.D., 1977. At SPU since 1981.

Mark Walhout, Professor of English; Chair of English; B.A., Wheaton College, 1981; M.A., Northwestern University, 1982; Ph.D., 1985. At SPU since 1987.

Gregory Wolfe, Writer in Residence and Lecturer in English; B.A., Hillsdale College, 1980; M.A., Oxford University, 1983. At SPU since 2000.

Suzanne Wolfe, Lecturer in English; B.A., Oxford University, 1984; M.A., Oxford University, 1986. At SPU since 2000.

European Studies

See Languages and Special Programs

Family and Consumer Sciences

Peterson Hall
 (206) 281-2195
 www.spu.edu/depts/fcs

Sharleen Kato, Director; **Barbara Bovy**, **Sandra Hartje**, **Jaecil Lee**, **Beth 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 business, 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 in business, social service, and educational settings.

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

9-10 credits	
Taken in the following order:	
FCS 1050 Introduction to FCS	2
FCS 3240 Individual and Family Development	5
FCS 4630 Foundations and Contemporary Issues	3
Total	10

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.

Individual and Family Development

62-66 credits; 25 upper-division credits required	
FCS Core	10
FCS 2252 Marriage and the Family	5
HCS 3035 Human Sexuality	3
FCS 3220 Child development	3
FCS 3320 Maternal and Child Nutrition	3
FCS 3410 Individual and Family Finance	4
FCS 3460 Family resource Management	3
FCS 3564 Presentation Skills	4
FCS 3710 Family Housing "W"	5
SOC 3751 Introduction to Research Methods "W" (5) or discipline alternative (5)	5
FCS 3875 Appearance and Culture	3
FCS 4240 Family Relations	3
PSY 4420 Adolescent Developmental Psychology	5
PSY 4460 Abnormal Behavior	5
FCS 4900 Internship or Practicum	2-5
Total	63-66

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 section in this *Catalog*.

FCS Secondary Education

Meets state requirements for career and technical education.
 70-73 credits; 25 upper-division FCS credits required

Family and Consumer Sciences Core		10
BIO 1100 Biological Science: Human Nutrition (5)		
or FCS 2385 Food and the Consumer (3)	3-5	
FCS 2252 Marriage and the Family	5	
FCS 2365 Food Science	5	
FCS 2702 Introduction to Interior Design (3)		
or FCS 1710 Design Fundamentals (5)	3-5	
FCS 3830 Textiles	5	
FCS 3220 Child Development	3	
FCS 3365 Food Management and Economics	4	
FCS 3410 Individual and Family Finance	4	
FCS 3460 Family Resource Management	3	
FCS 3564 Presentation Skills	4	
FCS 3710 Family Housing "W"	5	
FCS 3875 Appearance and Culture "W"	3	
FCS 4240 Family Relations	3	
FCS 4250 Strategies in Early Childhood	3	
FCS 4511 Curriculum and Evaluation in FCS Education "W"	5	
FCS 4512 Aspects of Career and Technical Education for FCS	3	
Total credits for FCS secondary education	61-65	
Total credits for major	70-73	

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 on the Web 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.

Food and Nutritional Sciences Major

83-117 credits; 25 upper-division FCS credits required
 Refer to pages 60-62 for a summary of degree requirements.

Family and Consumer Science Core		10
Required Courses		
FCS 2365 Food Science	5	
FCS 3340 Human Nutrition*	5	
FCS 3365 Food Management and Economics*	4	
FCS 3385 Food and Culture "W"	3	
FCS 4330 Advanced Nutrition* "W"	5	
FCS 4367 Experimental Foods* "W"	5	
BIO 2129 Anatomy and Physiology	5	
BIO 2130 Anatomy and Physiology*	5	
BIO 3351 General Microbiology*	5	
HSC 4044 Biomedical Tests, Measurements and Statistics (5) or MAT 1360 Introduction to Statistics (5)	5	

Choose one of the two chemistry groups below:

CHM 1211 General Chemistry (5)	
and CHM 1330 General Organic/Biochemistry (5)	
CHM 1211 General Chemistry (5)	
and CHM 3371/3372 Organic Chemistry (10)*	
and CHM 4361/4362 Biochemistry (10)*	10-25
Total of Required Courses	57-72

In addition to the FCS core and required courses above, select one of the following areas of study: food and nutrition, dietetics, or sport and exercise.

Food and Nutrition Specialization	
FCS 2375 Food Production and Management	5
FCS 3320 Maternal and Child Nutrition	3
FCS 3564 Presentation Skills	4
FCS 4350 Community Nutrition and Education*	5
Total credits for food and nutrition	17

Dietetics Specialization	
ACCT 2361 Financial Accounting	5
BUS 3614 Organizational Behavior (5) or BUS 3657 Human Resource Management (5)	5
FCS 2375 Food Production and Management	5
FCS 4340 Medical Nutrition Therapy I*	5
FCS 4341 Medical Nutrition Therapy II*	5
FCS 4350 Community Nutrition and Education *	5
SOC 4308 Helping Relationship	5
Total credits for dietetics	35

Sports and Exercise Specialization	
FCS 3320 Maternal and Child Nutrition	3
FCS 4310 Nutrition in Sports and Exercise *	3
FCS 4340 Medical Nutrition Therapy I*	5
FCS 4341 Medical Nutrition Therapy II*	5
FCS 4350 Community Nutrition and Education *	5
PE 3580 Exercise Physiology *	5
PE 4585 Exercise Science Seminar *	5
Total credits for sports and exercise	31
Total credits for major	83-117

* Prerequisites.

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, Clothing, and Interiors Major

The B.A. degree is offered in textiles, clothing, and interiors. The curriculum is designed to train individuals for careers in the areas of retail merchandising, apparel manufacturing, advertising, apparel designing, and residential and commercial design. Students can select from textiles and clothing or interior design. All students completing the textiles and clothing specialization must complete the FCS core, general requirements for clothing and textiles, and either the fashion merchandising emphasis or the apparel design emphasis below.

Clothing and Textiles Specialization

59-64 credits; 25 upper-division FCS credits required
 Refer to pages 60-62 for a summary of degree requirements.

Family and Consumer Science Core		10
Clothing and Textiles Core		
FCS 2820 Introduction to the Fashion Industry	5	
FCS 3830 Textiles	5	

FCS 3840 Flat Pattern Design*	5
FCS 3842 Apparel Production and Evaluation*	5
FCS 3870 History of Costume "W"	5
FCS 3875 Appearance and Culture "W"	3
FCS 4840 Apparel Design Through Draping*	3
Total credits for requirements	33
Fashion Merchandising Emphasis	
FCS 3820 Merchandise Planning and Inventory Control *	3
FCS 4820 Apparel Retail Management*	3
ACCT 2361 Financial Accounting	5
BUS 3828 International Business	5
Select one of the following business courses:	
BUS 3541 Marketing and Society (5)	
BUS 3544 Advertising* (5)	
BUS 3545 Sales and Sales Management* (5)	
BUS 3631 Entrepreneurship* (5)	
BUS 3657 Human Resource Management (5)	5
Total credits for fashion merchandising	21
Apparel Design Emphasis	
ART 1102 Drawing Studio	5
ART 3112 Drawing Studio-Figure*	3
FCS 2110 Fashion Illustration	3
FCS 4843 CAD Applications in Apparel Design*	5
FCS 3564 Presentation Skills (3)	
or FCS 4844 Advanced Apparel Design* (5)	
or FCS 4940 Internship (5)	3-5
Total credits for apparel design	17-19
Total credits for the major	59-64

*Prerequisites.

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.

Interior Design Specialization

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).

Interior Design Specialization

81-84 credits; 25 upper-division FCS credits required

Refer to pages 60-62 for a summary of degree requirements.

Family and Consumer Science Core	10
FCS 2204 Interior Design Studio	3
FCS 2702 Introduction to Interior Design *	3
FCS 3710 Family Housing "W"	5
FCS 3712 Lighting Design *	4
FCS 3714 Advanced Design — Interiors	3
FCS 3720 Universal Design	3
FCS 3830 Textiles	5
FCS 3843 Introduction to AutoCAD *	3
FCS 4710 Advanced Design II — Residential Interiors	3
FCS 4712 Advanced Design II — Commercial Interiors	3
FCS 4720 Portfolio	2
FCS 4730 Interior Design Resources and Materials *	5

FCS 4743 CAD Applications in Interior Design *	3
FCS 4940 Internship	3-5
ACCT 2361 Financial Accounting *	5
ART 1102 Drawing Studio (5)	
or ART 1103 Drawing Studio (5)	5
ART 1205 Design Studio	5
ART 3604 History of Renaissance Art	5
ART 3605 History of Modern Art (5)	
or ART 3607 History of American Art (5)	5
Select one of the following:	
BUS 3541 Marketing and Society (5)	
BUS 3544 Advertising* (5)	
BUS 3545 Sales and Sales Management* (5)	
BUS 3657 Human Resource Management (5)	
BUS 3631 Entrepreneurship (5) *	5
CSC 1126 Presentation Managers	1
Select one of the following:	
ENG 3205 Writing in the Professions* (3)	
FCS 3564 Presentation Skills* (4)	3-4
Total credits for interior design	82-85
Total credits for major	91-95

*Prerequisites.

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.

Requirements for the Minors

Three minors are offered: family and consumer sciences; food and nutritional sciences; and 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 Family and Consumer Sciences

Select at least one course from each area for a minimum of 30 credits:

Food and Nutritional Sciences

BIO 1100 Biological Science: Human Nutrition (5)	
FCS 2365 Food Science (5)	
FCS 2385 Food and the Consumer (3)	
FCS 3220 Maternal and Child Nutrition (3)	
FCS 3365 Food Management and Economics (4)*	
FCS 3385 Food and Culture "W" (3)	

Clothing and Textiles

FCS 2820 Introduction to the Fashion Industry (5)	
FCS 3830 Textiles (5)	
FCS 3870 History of Costume "W" (5)	
FCS 3875 Appearance and Culture (3) "W"	

Family and Development I

FCS 2252 Marriage and the Family (5)	
FCS 3220 Child Development (3)	
FCS 4240 Family Relations (3)	
FCS 4250 Strategies in Early Childhood (3)*	

Family and Development II

FCS 3410 Individual and Family Finance (4)	
FCS 3460 Family Resource Management (3)*	

Interior Design

FCS 2702 Introduction to Interior Design (3)	
FCS 3710 Family Housing "W" (5)	
FCS 3712 Lighting Design (4)*	
FCS 4730 Interior Design Resources and Materials (5)	

Total 30 minimum

*Prerequisites.

Minor requirements contribute to, but do not meet, educational certification requirements for vocational certification for secondary family and consumer science education teachers of grades 9-12.

Minor in Food and Nutritional Sciences

30 credits

FCS 2365 Food Science	5
FCS 3320 Maternal and Child Nutrition	3
FCS 3340 Human Nutrition*	5
FCS 3385 Food and Culture	3
FCS 4330 Advanced Nutrition*	5
FCS 4367 Experimental Foods "W"	5
Select a minimum of 4 credits from the following to total 30 credits:	
FCS 2375 Food Production and Management*	5
FCS 3365 Food Management and Economics*	4
FCS 4310 Nutrition in Sports and Exercise*	3
FCS 4340 Medical Nutrition Therapy*	5
FCS 4350 Community Nutrition and Education*	5
FCS 4930 Family and Consumer Sciences Practicum (1-5)	1-5
Total	30

*Prerequisites.

Minor in Clothing and Textiles

30 credits

FCS 1050 Introduction to FCS	2
FCS 2820 Introduction to the Fashion Industry	5
FCS 3830 Textiles	5
FCS 3840 Flat Pattern Design	5
FCS 3842 Apparel Production and Evaluation*	5
FCS 3870 History of Costume "W"	5
FCS 3875 Appearance and Culture "W"	3
Total	30

Family and Consumer Sciences Courses

FCS 1050 Introduction to Family and Consumer Sciences (2) Introduces the history, literature, and contributions of the family and consumer science profession to help students discover special interests, career potential, and to 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) Surveys how design can be used to enhance the quality of life for individuals by applying standards for creativity, integrity of materials, and the elements and principles of design. The focus is primarily on classic, modern, and post-modern architecture and the impact of culture, economics, social structures, natural resources, and technology on design. Includes local walking tours and events. Part of the course will be Web-based. Attributes: Arts and Humanities A; and Fine Arts Core.

FCS 2110 Fashion Illustration (3) 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) 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. Class not open to freshmen.

FCS 2252 Marriage and the Family (5) Surveys the family as an institution and a mode for personal hiring: marital adjustment, parent-child relationships, changing family patterns, and family disorganization and reorganization. Course equivalent: SOC 2252.

FCS 2365 Food Science (5) Examines the basic scientific concepts related to the preparation of food. Studies the principles of food selection, storage, and preparation based on a knowledge of chemical and physical properties. Includes laboratory.

FCS 2375 Food Production and Management (5) Prerequisite: FCS 2365. Surveys the organization, management, and cost control of food-service operations. Includes laboratory experience in quantity food-service facilities in Seattle.

FCS 2385 Food and the Consumer (3) Examines consumer behavior in the selection of food as it relates to need, economics, and satisfaction. Analyzes personal nutrition in relation to cultural, social, faith, aesthetics, and psychological influences on food selection. Identifies the impact of environment, safety, food additives, natural foods, supplements, and freedom of choice.

FCS 2702 Introduction to Interior Design (3) Examines elements and principles of design applied to residential and commercial interiors, and provides an overview of the interior-design field.

FCS 2820 Introduction to the Fashion Industry (5) 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.

FCS 2870 Seeing History Through Clothes: A Personal Perspective (5) 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; and Fine Arts Core. Class not open to seniors.

FCS 3220 Child Development (3) 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. Attribute: Upper-Division.

FCS 3240 Individual and Family Development (5) 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. Attribute: Upper-Division. Class not open to freshmen.

FCS 3320 Maternal and Child Nutrition (3) Prerequisites: FCS 2385, 3340, or BIO 1100. 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. Attribute: Upper-Division.

FCS 3340 Human Nutrition (5) Prerequisites: CHM 1211, 1330, BIO 2129, and 2130 (Note: BIO 2130 may be taken concurrently). Presents essentials of adequate diets and food sources of the nutrients; nutritional needs throughout the life span; nutritional composition of foods in relation to normal diets and medical nutrition therapy. Attribute: Upper-Division.

FCS 3365 Food Management and Economics (4) Prerequisite: FCS 2365, a human nutrition course or permission of instructor. Surveys the effect of nutrition, budget, aesthetics, and resources in menu planning for various nutritional needs. Includes laboratory. Attribute: Upper-Division.

FCS 3385 Food and Culture (3) Prerequisite: Junior standing or permission of instructor. Explores how the foodways of individuals in different cultures evolved. Considers gender issues. Evaluates the nutritional, economic, and aesthetic properties of food from various cultures. Examples are prepared. May be repeated for credit up to 6 credits. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

FCS 3410 Individual and Family Finance (4) 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. Attribute: Upper-Division.

FCS 3460 Family Resource Management (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 3564 Presentation Skills for FCS Professionals (4) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 3710 Family Housing (5) 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; and Writing Course. Class not open to freshmen and sophomores.

FCS 3712 Lighting Design (4) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 3714 Advanced Design-Interiors (3) Prerequisite: FCS 2204. Applies the design process to practical problems in interior-design drafting. Incorporates elements of furniture design, universal design, and organization of commercial space. Extra fee. Attribute: Upper-Division. Class not open to freshmen.

FCS 3720 Universal Design in Housing (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 3820 Merchandising Planning and Inventory Control (3) Prerequisite: FCS 2820. Covers specifics of six-month planning, open-to-buys, inventory turns, stock sales ratio, and gross margin in the fashion industry. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 3830 Textiles (5) 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. Attribute: Upper-Division. Class not open to freshmen.

FCS 3840 Flat Pattern Design (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 3842 Apparel Production and Evaluation (5) Prerequisite: FCS 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 3843 Introduction to Computer-Aided Design (CAD) (3) Prerequisite: FCS 2204. Applies two- and three-dimensional computer drawing in the design of interior space. Uses AutoCAD software on a Windows-based system. Attribute: Upper-Division. Class open to undergraduate students. Class not open to freshmen and sophomores.

FCS 3870 History of Costume (5) 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; Fine Arts Core; Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

FCS 3875 Appearance and Culture (3) 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; and Writing Course. Class not open to freshmen and sophomores.

FCS 4240 Family Relations (3) 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. Attribute: Upper-Division.

FCS 4250 Strategies in Early Childhood (3) Prerequisites: FCS 3220, FCS 4511 (can be taken concurrently). 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4310 Nutrition in Sports and Exercise (3) 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. Attribute: Upper-Division.

FCS 4330 Advanced Nutrition (5) 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; and Writing Course.

FCS 4340 Medical Nutrition Therapy I (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4341 Medical Nutrition Therapy II (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4350 Community Nutrition and Education (5) Prerequisites: FCS 3340 or permission of instructor. Covers nutrition education and community nutrition programs; multidimensional nature of nutrition problems and programs designed to solve them; communicating with people in clinical and community settings; application of learning theory and methods of behavior change. Also, preparation for post-graduate jobs, study, and internships. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4367 Experimental Foods (5) 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. Attributes: Upper-Division; and Writing Course.

FCS 4511 Curriculum and Evaluation in FCS Education (5) 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; and Writing Course.

FCS 4512 Aspects of Career and Technical Education for Approved Family and Consumer Science Programs (3) Prerequisite: Professional Quarter II. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4710 Advanced Design II-Residential Interiors (3) Prerequisites: FCS 3712 and 3714. 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 one time. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4712 Advanced Design II-Commercial Interiors (3) Prerequisite: FCS 3712, 3714, and 3843. 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 one time. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4720 Portfolio (2) Prerequisites: FCS 4710 and 4712. Instruction in the development of a professional portfolio including résumé and cover-letter writing and presentation of samples of creative work. Examination of professional practice in interior design. Course equivalent: ART 4236. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4730 Interior Design Resources and Materials (5) Prerequisites: FCS 2204, 2702, and 3830. Studies the functional uses and inherent properties of materials used in interiors, as well as safety standards and local resources. Includes local field trips. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4743 CAD Applications in Interior Design (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4820 Apparel Retail Management (3) Prerequisite: FCS 2820. Includes hiring, scheduling, selling costs, department presentation, and special events. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4840 Apparel Design Through Draping (5) Prerequisites: FCS 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4843 CAD Applications in Apparel Design (5) 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. Attribute: Upper-Division. Class open to graduate and undergraduate students. Class not open to freshmen and sophomores.

FCS 4844 Advanced Apparel Design (5) Prerequisites: FCS 3840, 3842, and 4840, or permission of instructor. Explores creative design 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4899 Foundations and Contemporary Issues (3) 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. Identifies management abilities for planning and implementing professional goals. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Prerequisites: Senior standing and a B average in family and consumer science studies. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

FCS 4930 Family and Consumer Science Practicum (1–5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

FCS 4931 Practicum in Design Production (1–5) Registration approval: Instructor. Practical application of coordination, production and promotion in the Designer's Showcase. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

FCS 4940 Internship (1–10) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

Faculty

Barbara J. Bovy, Professor of Family and Consumer Sciences; B.S., University of Idaho, 1960; M.A., University of Washington, 1971; Ph.D., 1979. At SPU since 1978.

Sandra C. Hartje, Associate Professor of Family and Consumer Sciences; B.S., University of Minnesota, 1979; M.S., 1984; Ph.D., 1998. At SPU since 1986.

Sharleen L. Kato, Director of Family and Consumer Sciences; Professor of Family and Consumer Sciences; B.A., Seattle Pacific University, 1984; M.A., Michigan State University, 1986; Ed.D., Seattle University, 1992. At SPU since 1986.

Jaecil Lee, Assistant Professor of Family and Consumer Sciences; B.A., Chungnam National University, 1992; M.S., The Ohio State University, 1998, Ph.D., 2000. At SPU since 2001.

Beth Miller, Instructor of Interior Design, M.A., University of Oklahoma, 1992; M.S., University of Central Oklahoma, 2000. At SPU since 2002.

Gaile L. Moe, Associate Professor of Family and Consumer Sciences; B.S., University of Washington, 1978; Ph.D., 1996. At SPU since 1994.

Film

See Special Programs

Food and Nutritional Sciences

See Family and Consumer Sciences

French

See Languages

General Studies Major

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.

General Studies

(Interdisciplinary Courses)

GS 1000 Foundations for Success in College (2) Registration approval: Instructor. Students who succeed in college possess or develop a requisite core set of skills, understandings, and behaviors. This course for entering freshmen focuses on five areas that impact first-year success at the university level and lay a solid foundation for future achievement: time management, goal setting, motivation, self-regulation, and awareness of campus culture. The course also includes a writing component focused on development of personal editing abilities and an understanding of college-level writing demands. Class open to freshmen.

GS 1001 Success Skills for College (2) Assists students as they develop and expand their understanding and use of time management, note-taking, textbook reading, and exam strategies in order to increase their academic performance in the university setting. Information is included on how to utilize personal learning styles and strengths.

GS 1005 Values, Faith, and Traditions in Western Culture (1) Registration approval: Instructor. Offered each quarter for international students only to provide an opportunity for discussion and exploration of American values, social issues, and religion. Extra fee. May be repeated for credit up to 3 credits.

GS 2001 Major and Career Exploration (1) Assists students in choosing a major and exploring career and vocational options. Includes self-assessment tests, discerning natural talents and giftedness, and discerning vocational calling. May be repeated for credit one time.

GS 2002 Advanced Skills for College Success (2) Class emphasizes writing, reading, research, and thinking skills required for success with upper-division work. An interdisciplinary approach will be used. Coursework will be coordinated with other current classes.

GS 2306 Tutoring (1) Registration approval: Instructor. May be repeated for credit two times.

GS 3001 Career and Life Transition (1) Assists students transitioning from college into work, life, and service after college. Includes finding appropriate work and service opportunities; maintaining community; managing finances and stressors; developing résumés and cover letters; articulating skills, interviewing, etc. Attribute: Upper-Division. Class not open to freshmen and sophomores.

GS 3418 Student Leadership and Service I (2) Special Approval: Recommendation from residence life instructor. Offers sessions where peer advisors experience training as well as small-group sessions for instruction specific to their leadership position. Course content will include practical information and skills to address issues such as peer counseling, conflict mediation, crisis intervention, program management, developmental transitions, principles of leadership, and other important challenges facing residential students. May be repeated for credit three times. Attribute: Upper-Division.

GS 3419 Student Leadership and Service II (1) Registration approval: Instructor. Prerequisite: GS 3418. Offers sessions where peer advisors experience advanced training as well as small-group sessions for instruction specific to their leadership position. Course content will include practical information and skills to address issues such as peer counseling, conflict mediation, crisis intervention, program management, developmental transitions, and other important challenges facing residential students. May be repeated for credit three times. Attribute: Upper-Division.

GS 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

GS 4930 Leadership Practicum (1–10) Registration approval: School dean. Prerequisite: Admission to the minor. Supervised practicum in student-leadership positions under advising of the Office of Student Life or the Office of Campus Ministries. Includes learning contract, readings, and assignments to enable students to deepen leadership skills. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class not open to freshmen.

Geopolitics

See Political Science

German

See Languages

Health Sciences, School of

Marston Hall
(206) 281-2233
www.spu.edu/depts/hsc/

Lucille Kelley, *Dean of the School of Health Sciences*

Sandra Affeldt-Cotton, Ruby Englund, Mary Fry, Theresa Granger, Chris Henshaw, Emily Hitchens, Donna Hoffert, Barbara Innes, Linda Pedersen, Kathy Stetz, Elizabeth Torrence, Barbara West, Martha Worcester

We prepare graduates in nursing to engage the culture through service and change the world through leadership. Learning occurs within a Christian community that offers opportunities to become nurses of competence, character, and wisdom.

School of Health Sciences Mission Statement

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 bachelor of science degree with a major in nursing prepares graduates to assume entry-level practice and leadership roles in a variety of settings. The aim 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.

The School of Health Sciences offers an undergraduate major in nursing, an undergraduate R.N. to B.S. degree completion program and a master of science in nursing program with various pathways including clinical nurse specialist, nurse practitioner, and post-master's nurse practitioner.

The nursing program is approved by the state of Washington and accredited by the Commission for Collegiate Nursing Education. Upon completion of the degree, the graduate is eligible to take the national examination required for licensure as a registered nurse (NCLEX).

Admission to the Major Process

High school preparation for nursing includes a minimum of two years laboratory science, with one of which being chemistry.

For students admitted to and currently enrolled at SPU, preparation for entry into the nursing major in the School of Health Sciences 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.

Students currently attending SPU must apply to the nursing major on or before February 1 of his or her sophomore year. The application and a recommendation form are available on the School of Health Sciences Web site by mid-October for program entry the following autumn.

Students contemplating transfer to SPU must apply to both the University and to the School of Health Sciences Nursing Program through the Office of Admissions on or before March 1. Applicants are instructed to indicate in the University application that nursing is the intended major. Post-baccalaureate transfer students need to request the University post-baccalaureate application.

All application materials for the School of Health Sciences Nursing Program are available on the SPU School of Health Sciences Web site at www.spu.edu/depts/hsc/.

The Academic Student Affairs Committee evaluates applications on the basis of scholarship and personal qualifications judged necessary for nursing. A minimum GPA of 2.75 in the natural and social-science prerequisite course is expected; a 3.0 GPA is preferred. GPA alone does not assure admission to the program. Grades less than a C will not be accepted. Entering nursing students are expected to have basic computer literacy including word processing and email, and be able to participate in computer-assisted instruction, online literature searches and Web-based courses.

Registered nurses from diploma and associate-degree programs who wish to complete a bachelors of science degree make an appointment with the director of the R.N. to B.S. degree completion program before applying to the University. Individual transcript evaluation and planning is made at the time of admission to the program. Applicants are encouraged to get an A.A. degree in order to complete the lower-division liberal arts requirements necessary for general education and graduation from the University.

International students who are registered nurses in another country must pass the TOEFL (if English is not the first language) and the foreign-nurse examination (CGFNS) prior to beginning coursework and prepare to take the NCLEX. After a transcript evaluation, an appropriate curriculum plan will be made in light of general education requirements, nursing practice and individual needs.

Prerequisite Courses	
BIO 2129, 2130 Human Anatomy and Physiology	10
BIO 3351 Microbiology	5
CHEM 1211 General College Chemistry*	5
CHEM 1330 Organic and Biological Chemistry	5
FCS 3340 Human Nutrition or BIO 1100 Human Nutrition	5
PSY 1180 General Psychology	5
PSY 2470 Life Span Psychology	5
HSC 4044 Biostatistics or MAT 1360 or BUS 1360 Statistics	5
Total	45

* This requires a pre-test, which if not passed will mean that CHM 1100 must be taken first.

B.S. With a Major in Nursing	
NUR 3948 Professional Nursing Role I	5
NUR 3952 Basic Nursing (Theory)	6
NUR 3953 Basic Nursing (Practicum)	5
NUR 3954 Nursing of Adult I (Theory)	6
NUR 3955 Nursing of Adult I (Practicum)	5
NUR 3956 Nursing of Adult II (Theory)	6
NUR 3957 Nursing of Adult II (Practicum)	5
NUR 4000 Child-Bearing Family Health Nursing (Theory)	3
NUR 4002 Psychiatric Mental Health Nursing (Theory)	3
NUR 4003 Child-Bearing Family and Psychiatric Mental Nursing (Practicum)	5
NUR 4010 Child-Rearing Family Health Nursing (Theory)	3
NUR 4012 Community and Family Health Nursing (Theory)	3
NUR 4013 Child and Family Community Health Nursing (Practicum)	5
NUR 4848 Professional Role II	3
NUR 4899 Professional Nursing Synthesis (Theory)	4
NUR 4859 Professional Nursing Synthesis (Practicum)	8
HSC 4391 Advanced Pathophysiology	3
NUR 4971 Nursing Research	2
Total	80

R.N. to B.S. Degree Completion

The typical part-time, off-campus eight-quarter program of study is designed for the working registered nurse.

R.N. to B.S. Degree Completion	
NUR 3050 Professional Nursing Concepts: RN	5
NUR 3947 Family and Community Nursing: RN	5
NUR 4944 Health Care Delivery Models	3
NUR 4051 Professional Nursing Role: RN	4
NUR 4971 Nursing Research	2
NUR 4899 Professional Nursing Synthesis (Theory)	5
NUR 4859 Professional Nursing Synthesis (Internship)	8
HSC 4044 Biostatistics or MAT 1360 or BUS 1360 Statistics	5
Total	37

Expenses for Basic Nursing Students

General expenses are the same as for other students with the following additions.

1. Clinical practicum fee (\$75/clinical credit)
2. Uniforms and shoes (Approximately \$200)
3. Books and supplies for the Autumn Quarter beginning the nursing major are approximately \$1,000.
4. Comprehensive testing program (\$120/yr. for \$240 total for junior and senior years). This includes an NCLEX review course at the end of the program.
5. Costs for transportation vary for practicum quarter by quarter.
6. Costs for weekly parking at practicum sites vary.
7. Other costs include a physical examination by primary care provider, current immunizations with yearly updates, personal health insurance, access to a car, and a current driver's license.
8. 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.

Scholarships and Loans

Students in the nursing major who need financial assistance should apply to the Office of 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 at the University of Washington. 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 on the SHS Web site at www.spu.edu/depts/hsc 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.

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*. This handbook is available on the SHS Web site; it is also given to each entering student at Orientation.

Special Programs

The nursing program also offers transcultural experience for students on campus and abroad. Nursing students may apply to have a transcultural experience during the Winter Quarter of the senior year. Applications are due early March of the prior 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.

Health Sciences Courses

HSC 3000 Issues in Women's Health (3) Examines selected issues in women's health care in the context of women's lived experiences, including women's health care issues within the existing health care system, ways to reclaim and reshape gynocentric care for themselves, and sociopolitical activities that facilitate health care for all women. Global health care will be addressed with SPU mission to engage the culture. Course equivalent: WST 3000. Attribute: Upper-Division.

HSC 3035 Human Sexuality (3) 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. Attribute: Upper-Division. Class open to juniors and seniors.

HSC 3395 Health Care Delivery Systems (3) Examines perspectives on differing health care philosophies and practices in the United States and other countries. Explores trends, current events, and technology. Presentations are given by health care providers and consumers from the community. Attribute: Upper-Division.

HSC 4044 Biomedical Tests, Measurements, and Statistics (5) 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: Quantitative Reasoning; Mathematics; and Upper-

Division. Class open to biology, exercise science, food and nutritional sciences, and nursing majors.

HSC 4391 Pathophysiology (3) 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. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

HSC 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

HSC 4940 Internship (1–5) Registration approval: Intern Learning Contract req. May be repeated for credit up to 5 credits.

HSC 4950 Special Topics in Health Care (1–5) Focuses on emerging and specialized topics in health care. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

Nursing Courses

NUR 2001 Partners in Lifelong Learning Program (1–6) Reviews coursework from nursing classes. Open to nursing students who are in the Partners in Lifelong Learning program. Credits do not count toward the 80 credit nursing major. May be repeated for credit up to 6 credits. Class open to nursing majors. Class not open to freshmen and sophomores.

NUR 3050 Professional Nursing Role: RN (5) 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; and Writing Course.

NUR 3947 Family and Community Nursing: RN (5) Prerequisite: NUR 3050. 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. Attribute: Upper-Division.

NUR 3948 Professional Nursing Role I (5) Prerequisites: PSY 1180, PSY 2470, CHM 1211, CHM 1330, BIO 2129, 2130, 3351, and FCS 3340, or BIO 1100 Human Nutrition. 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; and Writing Course. Class open to nursing majors.

NUR 3952 Basic Nursing Theory (6) 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. Attribute: Upper-Division. Class open to nursing majors.

NUR 3953 Basic Nursing Practicum (5) Prerequisites: BIO 2129, 2130, 3351, PSY 2470, CHM 1211, 1330, and FCS 3340 or BIO 1100 Human Nutrition. 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 laboratory/internship fee. Attribute: Upper-Division. Class open to nursing majors.

NUR 3954 Nursing of Adults I-Theory (6) 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. Corequisite: NUR 3955. Attributes: Upper-Division; and Writing Course. Class open to nursing majors.

NUR 3955 Nursing of Adults I-Practicum (5) Provides experience in application of the nursing process, with adults and their families in acute-care settings and in community-based settings. Extra laboratory/internship fee. Corequisite: NUR 3954. Attribute: Upper-Division. Class open to nursing majors.

NUR 3956 Nursing of Adults II-Theory (6) 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. Corequisite: NUR 3957. Attribute: Upper-Division. Class open to nursing majors.

NUR 3957 Nursing of Adults II-Practicum (5) 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 laboratory/internship fee. Corequisite: NUR 3956. Attribute: Upper-Division. Class open to nursing majors.

NUR 4000 Child-Bearing Family Health Nursing Theory (3) 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. Corequisites: NUR 4002 and NUR 4003. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

NUR 4002 Psychiatric-Mental Health Nursing Theory (3) 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 life span. Integrates concepts of growth and development, cultural diversity, spirituality, pharmacology, physiology, and pathophysiology. Corequisites: NUR 4000 and NUR 4003. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

NUR 4003 Child-Bearing Family and Psychiatric-Mental Health Nursing Practicum (5) 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 laboratory fee. Corequisites: NUR 4000 and NUR 4002. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

NUR 4010 Child-Rearing Family Health Nursing Theory (3) 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



"Nursing faculty are committed to nurturing a community of learners who model competence and grace. Students then live in that culture by engaging in health promotion and illness intervention in the local and international communities."

Elizabeth Torrence
Nursing

diversity, spirituality, pharmacology, and the pathophysiology of disease in acute and chronic illnesses. Corequisites: NUR 4012 and NUR 4013. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

NUR 4012 Community and Family Health Nursing Theory (3) 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. Corequisites: NUR 4010 and NUR 4013. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

NUR 4013 Child, Family, Community-Health Nursing Practicum (5) 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 life span 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 laboratory fee. Corequisites: NUR 4010 and NUR 4012. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

NUR 4051 Professional Nursing Role: R.N. (4) 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. Attribute: Upper-Division.

NUR 4848 Professional Nursing Role II (3) Prerequisites: NUR 4854, 4855, 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. Corequisites: NUR 4859 and NUR 4899. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

NUR 4859 Professional Nursing Synthesis Internship (8) Prerequisites: HSC 4391, NUR 4854, 4855. 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 laboratory/internship fee. Corequisites: NUR 4848 and NUR 4899. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

NUR 4899 Professional Nursing Synthesis Theory (4-5) Prerequisites: NUR 4854, 4855, 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. Corequisites: NUR 4848 and NUR 4859. Attributes: Upper-Division; and Writing Course. Class open to nursing majors. Class open to seniors.

NUR 4900 Independent Study (1-5) Registration approval: Independent Study Agreement. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

NUR 4944 Health Care Delivery Models: R.N. (3) 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. Attribute: Upper-Division.

NUR 4950 Selected Topics (1-5) Focuses on emerging and specialized topics in nursing. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

NUR 4951 Leadership in the Community: RN (6) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to nursing majors. Class open to post-baccalaureate students.

NUR 4970 Research: RN (1-5) 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. Attribute: Upper-Division.

NUR 4971 Nursing Research (2) Prerequisite: HSC 4044 or BUS 1360 or MAT 1360 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. Attribute: Upper-Division. Class open to nursing majors. Class open to seniors.

Faculty

Sandra Affeldt-Cotton, Professor of Nursing; B.S.N., University of North Dakota, 1973, M.S., Texas Women's University, 1979; Ed.D., University of South Dakota, 1990. At SPU since 2005.

Ruby M. Englund, Associate Professor of Nursing; B.S.N., Gustavus Adolphus College, 1964; M.N., University of Washington, 1965. R.N. At SPU since 1966.

Mary E. Fry, Associate Professor of Nursing; B.S.N., University of Washington, 1966; M.N., 1972; Ph.D., Oregon Health Sciences, 1994. At SPU since 1969.

Theresa Granger, ARNP Instructor of Nursing; B.S.N., Washington State University, 1992; M.N., Washington State University 1996. At SPU since 2003.

Christine M. Henshaw, Assistant Professor of Nursing; B.S.N., Washington State University, 1978; M.N., University of Washington, 1987, Ed.D., Seattle University, 2004. At SPU since 2000.

Donna Hoffert, Instructor of Nursing; B.S.N., University of the State of New York, 1992; M.S.N., Syracuse University, 1998. At SPU since 2000.

Emily A. Hitchens, Professor of Nursing; Associate Dean of School of Health Sciences; B.S.N., University of Washington, 1965; M.N., 1967; Ed.D., Seattle University, 1988. At SPU since 1979.

Barbara S. Innes, Associate Professor of Nursing; Director of RN to BS Program; B.S.N., University of Washington, 1963; M.S., University of California, San Francisco, 1969; Ed.D., Seattle University, 1989. At SPU since 1976.

Lucille Kindely Kelley, 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., University of Washington, 1990. At SPU since 1985.

Linda Pedersen, Instructor of Nursing; B.S.N., University of Iowa, 1972; M.N., University of Washington, 1984; A.N.P., Seattle Pacific University, 1995; F.N.P., Seattle Pacific University, 1996. At SPU since 1991.

Kathleen M. Stetz, Professor of Nursing; B.S., University of Washington, 1976; M.N., 1981; Ph.D., 1986. At SPU since 1999.

Elizabeth Torrence, Associate Professor of Nursing, Director of M.S.N. Program; B.N.S., Barry University 1968; M.N., Louisiana State University Medical Center, 1976; Ed.D., Seattle University, 1997. At SPU since 2002.

Barbara A. West, Associate Professor of Nursing; B.S.N., San Diego State University, 1974; M.S.N., University of Tennessee-Memphis, 1983; Ed.C., Tennessee State University, 2005. At SPU since 2005.

Martha L. Worcester, Associate Professor of Nursing; Director of Nurse Practitioner Program; B.S.N., California State University, Chico, 1962; M.S., University of California, San Francisco, 1964; Ph.D., University of Washington, 1990. At SPU since 1989.

History

Alexander Hall 410
(206) 281-2773
www.spu.edu/depts/history/

Michael Hamilton, Chair, Darrell Allen, Alberto Ferreira, Don Holsinger, Rod Stiling, William 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 the department Web page at www.spu.edu/depts/history/.

To qualify for admission to the major, a student must have a 2.5 minimum GPA.

Requirements for the History Major

56 credits; 26 upper-division
Refer to pages 60-62 for a summary of degree requirements.

World Civilization

HIS 1200 Ancient and Medieval Worlds	5
UCOR 2000 The West and the World or an advisor-approved equivalent modern world history course	5

United States

HIS 2502 The United States to 1876 or an advisor-approved upper-division substitution	5
HIS 2503 The United States since 1876 or an advisor-approved upper-division substitution	5

Non-Western World

Two courses in the history of a non-Western region (i.e., Africa, Asia, Latin America, Middle East, or comparative non-Western)	10
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History of Christianity

One course in the history of Christianity (e.g., HIS 3382, HIS 3401, HIS 3402, HIS 3405, HIS 3406, HIS 3501, or an advisor-approved substitution)	3-5
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Historiography and Research

HIS 3850 History of Historical Writing	3
Capstone Research Seminar	3
Electives*	15-17

Total 56

*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. 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.

Note to prospective teachers: 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 of the Catalog for a description of this major and speak with a School of Education advisor as well as the chair of the History Department.

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, as well as for education students seeking an additional credential.

Requirements for the General History Minor

30 credits; 15 upper-division

UCOR 2000 The West and the World, or an advisor-approved equivalent modern world history course	5
HIS 2502 The United States to 1876 (5) or HIS 2503 The United States Since 1876 (5)	5

One course in the history of a non-Western region	5
Electives	15

Total 30

Note to 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 Courses

HIS 1200 Ancient and Medieval Worlds (5) 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: Contexts for society; history/geography; and Social Science B.

HIS 2491 Origins of Western Science (5) 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. Attribute: Social Science B.

HIS 2492 Foundations of Modern Science (5) 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. Attribute: Social Science B.

HIS 2502 The United States to 1876 (5) 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: Contexts for society; history/geography; and Social Science B.

HIS 2503 The United States Since 1876 (5) 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: Contexts for society; history/geography; and Social Science B.

HIS 3100 Ancient Civilization (5) 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. Course equivalent: CLA 3100. Attribute: Upper-Division.

HIS 3170 Classical Civilization (5) Explores history, literature, and society of classical Greece and Rome, stressing contributions to modern Western civilization. Course equivalent: CLA 3170. Attributes: Literature Option; and Upper-Division.

HIS 3320 History of England (5) 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. Attribute: Upper-Division. Class not open to freshmen.

HIS 3331 History of Spain and Portugal (5) 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. Attribute: Upper-Division. Class not open to freshmen.

HIS 3335 Iberian Civilization and Culture (5) Registration approval: Travel Studies form. 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; and Upper-Division. Class not open to freshmen.

HIS 3345 Modern Russia (5) 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. Course equivalent: POL 3345. Attributes: Contexts for society; history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

HIS 3382 The Cross and the Crescent: Crusades and Holy Wars in the High Middle Ages: (1095–1492) (5) 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. Attribute: Upper-Division. Class not open to freshmen.

HIS 3395 European Intellectual History: From Anselm to Marx (5) Surveys major thinkers and intellectual movements from scholasticism to Marxism, with emphasis on the historical context. Includes directed readings in primary sources. Attribute: Upper-Division. Class not open to freshmen.

HIS 3401 Early and Medieval Christianity (5) 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. Course equivalent: THEO 3301. Attribute: Upper-Division. Class not open to freshmen.

HIS 3402 Reformation and Modern Christianity (5) 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. Course equivalent: THEO 3302. Attribute: Upper-Division. Class not open to freshmen.

HIS 3405 Topics in the History of Christianity (3–5) 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. Course equivalent: THEO 3305. Attribute: Upper-Division. Class not open to freshmen.

HIS 3406 Christianity in America (5) 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. Course equivalent: THEO 3303. Attributes: Christian Perspectives; and Upper-Division.

HIS 3435 Marxism: 20th Century Theory and Practice (3) 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. Course equivalents: ECN 3635 and POL 3435. Attribute: Upper-Division. Class not open to freshmen.

HIS 3440 International Peace and World Order (5) 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. Course equivalent: POL 3440. Attributes: Contexts for society; history/geography; Social Science B; and Upper-Division. Class not open to freshmen.

HIS 3501 Colonial and Revolutionary America: Foundations of American Civilization (5) 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. Attributes: Social Science Integration; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

HIS 3600 History of the Pacific Northwest (5) 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.) Attribute: Upper-Division. Class not open to freshmen.

HIS 3640 Growth of the American Economic System (3) 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. Course equivalent: ECN 3640. Attribute: Upper-Division. Class not open to freshmen.

HIS 3670 History of American Foreign Relations (5) 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. Course equivalent: POL 3670. Attributes: Contexts for society; history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

HIS 3710 Comparative Non-Western History (5) 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: Contexts for society; history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

HIS 3720 Rise of Islamic Civilization (5) 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. Attributes: Contexts for society; history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

HIS 3730 Modern Middle East (5) 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. Attributes: Contexts for society; history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

HIS 3750 Latin America (5) Traces the history of Latin America, with particular attention to the development of political, economic, social, religious, and aesthetic values. Course equivalent: SOC 3750. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

HIS 3765 Traditional East Asia (5) 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. Attributes: Social Science B; and Upper-Division. Class not open to freshmen.

HIS 3785 Modern East Asia (5) 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. Attributes: Social Science B; and Upper-Division. Class not open to freshmen.

HIS 3790 History of Africa (5) 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. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

HIS 3850 History of Historical Writing (3) 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. Attribute: Upper-Division. Class not open to freshmen.

HIS 4495 Topics in the History of Science (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4525 Jacksonian America, 1820–1850 (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4545 The Transformation of American Life: 1870–1900 (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4565 World War II (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

"Exploring history launches us on a lifelong voyage to discover the questions that define our individual and collective existence. This engagement sparks a compassion to reach beyond our own culture as we seek to comprehend how God has fitted us together amidst a diversity of peoples."

Darrell Allen
History



HIS 4575 America in the 1960s (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4600 Pacific Northwest Senior Tutorial (5) 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.) Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4715 Non-Western History Seminar (3) 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, and rise and fall of South African apartheid. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4765 Asian History Seminar (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4899 History Capstone (1–5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

HIS 4920 Readings in History (General) (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4921 Readings in Ancient History (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4922 Readings in European History (Periods) (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4923 Readings in European History (Topics) (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4924 Readings in Comparative History (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4925 Readings in United States History (Periods) (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4926 Readings in United States History (Topics) (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4927 Readings in Non-Western History (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4928 Readings in Historiography (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4929 Readings in Applied History (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

HIS 4930 Mentoring Practicum (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division.

HIS 4940 History Internship (1–15) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class not open to freshmen and non-matriculated students.

HIS 4949 Applied History Internship (1–15) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class not open to freshmen and non-matriculated students.

HIS 4970 Independent Research (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4971 Ancient History Research (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4972 European History Research (Periods) (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4973 European History Research (Topics) (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4974 Comparative History Research (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4975 United States History Research (Periods) (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4976 United States History Research (Topics) (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4977 Non-Western History Research (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4978 Historiography Research (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

HIS 4979 Applied History Research (1–15) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and non-matriculated students.

Faculty

Darrell Allen, Assistant Professor of History, B.A., Colorado State University, 1984; M.A., University of Kansas, 1995; Ph.D., University of Kansas, 2004. At SPU since 2000.

Alberto Ferreira, Professor of History; B.A., University of Texas, Arlington, 1977; M.A., 1979; Ph.D., University of California, Santa Barbara, 1986. At SPU since 1986.

Michael Hamilton, Associate Professor of History; Chair of the History Department; B.A., Seattle Pacific University, 1986; M.A., University of Notre Dame, 1988; Ph.D., University of Notre Dame, 1995. At SPU since 1999.

Donald C. Holsinger, Professor of History; B.A., Bethel College, 1970; Ph.D., Northwestern University, 1979. At SPU since 1990.

Rodney L. Stiling, Associate Professor of History; B.A., University of California-Los Angeles, 1972; Th.M., Dallas Theological Seminary, 1980; M.A., University of Wisconsin-Madison, 1985; Ph.D., University of Wisconsin-Madison, 1991. At SPU since 2001.

William H. Woodward, Professor of History; A.B., Wheaton College, 1969; M.A., Ph.D., Georgetown University, 1974. At SPU since 1974.

Humanities

HUM 3000 Other People, Other Faiths (5) This course is a survey of religious experience, the major religious traditions, and selections from the texts of the major world religions. The course is taught from a Christian perspective but with appreciation for the moral content and spiritual truths found in other religious traditions. Readings include William James on religious experience, Huston Smith on the world's religions, selections from sociologists who have studied religion, and readings in the Bible, Koran, Dhammapada, Bhagavad-Gita, and other important religious books. Attributes: Arts and Humanities B; Arts and Humanities C; and Upper-Division. Class not open to freshmen.

Language Arts

See Education

Languages

Marston Hall
(206) 281-2036
www.spu.edu/depts/fil

Kathryn Bartholomew, Chair, **Robert Baah**, **Michelle Beauclair**, **Owen Ewald**, **Michael Macdonald**, **Katya Nemtchinova**, **Eric Vogt**, **Michael Ziemann**

The Department of Foreign Languages and Literatures encompasses the academic discipline of foreign language acquisition and its application to the serious study of culture and literature. Currently at SPU there is a focus on four spoken languages — French, German, Russian, and Spanish — and two ancient languages, Latin and classical Greek. There are three departmental degree programs: European studies, Latin American studies/Spanish, and a student-designed program in classics. The student-designed major must be constructed in close cooperation with appropriate faculty. (See Student-Designed Major in the *Catalog*.) All programs emphasize the unique relationship between culture and language. Acquisition of analytical skills, familiarity with important works of literature from several languages and the cultures they express, deeper understanding of communication patterns, and improved writing skills are all addressed in departmental courses.

Elementary language courses are sequential and begin Autumn Quarter. Students are advised that there is an enrollment limit of 35 in all sections of 1000-level classes (2100 for Russian) of the modern spoken languages. Should a desired class be closed, students are urged to choose another language or to consider Summer Quarter offerings or language courses from other local colleges. Depending on staffing, a section of French, German, and Spanish 1103 and/or Spanish 1102 is offered Autumn Quarter. Students should consult the *Online Time Schedule* to verify such offerings.

Foreign language study (with emphasis on the needs of the traveler) is available on Seattle Pacific's European Quarter. Depending on the location of European Quarter, French, German, Italian, Russian and Spanish 1100 are available for beginning students, 2100 for intermediate students, and 3100 for advanced students.

Classics: Student-designed

Owen Ewald, Contact person

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 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.

Admission to the Classics Major

Applicants for a major in classics 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 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	
<i>47 credits; 25 upper-division</i>	
Classical Latin Courses	24
CLA 3170 Classical Civilization	5
CLA 3204 Survey of Classical Latin Literature	5
CLA 3104 Survey of Ancient Greek Literature	5
EUR 3100 Foundations of European Art	3
Other approved courses	5
Total	47

Requirements for the Major — Cultural Emphasis	
<i>46 credits; 25 upper-division</i>	
CLA 3170 Classical Civilization	5
CLA 3204 Survey of Classical Latin Literature	5
CLA 3104 Survey of Ancient Greek Literature	5
EUR 3100 Foundations of European Art	3
Other approved courses*	28
Total	46

*Note: To be taken from the listings below and courses from philosophy, history, English, or linguistics.

Requirements for the Minor — Classics or Latin	
<i>33 credits; 15 upper-division</i>	
CLA 3170 Classical Civilization	5
Select one course from the following:	
CLA 3104 Survey of Ancient Greek Literature (5)	5
CLA 3204 Survey of Classical Latin Literature (5)	5
Other approved courses	23
Total	33

Note: Classical Latin courses appear under the Latin program requirements.

Classical Culture Courses

CLA 3100 Ancient Civilization (5) 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. Course equivalent: HIS 3100. Attributes: Arts and Humanities B; and Upper-Division.

CLA 3104 Survey of Ancient Greek Literature (5) 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: Arts and Humanities B; Literature Option; and Upper-Division.

CLA 3170 Classical Civilization (5) Explores history, literature, and society of classical Greece and Rome stressing contributions to modern Western civilization. Course equivalent: HIS 3170. Attributes: Arts and Humanities B; Literature Option; and Upper-Division.

CLA 3204 Survey of Classical Latin Literature (5) 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: Arts and Humanities B; Literature Option; Upper-Division; and Writing Course.

CLA 3304 Latin Literature of Pre-Modern Christianity (3) Provides a survey of over 1,000 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. Attribute: Upper-Division.

CLA 4899 Senior Capstone in Classics (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

CLA 4920 Directed Readings in Classical Literature (1–5) Registration approval: Independent Study Agreement. Prerequisite: CLA 3170. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

Classical Greek Courses

GRK 2001 Elementary Classical Greek I (3) Registration approval: Instructor. 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) Registration approval: Instructor. 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 in Classical Greek (1–5) Registration approval: Independent Study Agreement. Greek is available to qualified students through the classics professor. May be repeated for credit up to 9 credits. Attributes: Arts and Humanities B; Arts and Humanities C; and Upper-Division.

GRK 4930 Greek Tutorial Practicum (1–6) Registration approval: Instructor. For advanced students who wish to assist as discussion leaders and readers in 2000-level Greek classes. May be repeated for credit up to 6 credits. Attribute: Upper-Division.

The C. May Marston Professorship of Classics

C. May Marston served on the faculty of Seattle Pacific for many years, teaching a variety of subjects within the humanities. She mentored young faculty members and staunchly upheld the highest academic standards. To honor her inspiring example of scholarship and service, the C. May Marston Professorship of Classics was established with an anonymous bequest. The holder is charged to promote a study of the culture and languages of Greece and Rome, to teach courses in the field of classics, and to deliver an annual public lecture relating to research in the discipline. The first C. May Marston Professor of classics was Dr. Christiana Horst Rosman, now professor emerita. Dr. Owen Ewald now holds the professorship.

Latin American Studies

Robert Baah, Contact Person

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 20–30 credit base, including the Council for Christian Colleges' semester-long program in Costa Rica or an approved alternative.

All Latin American studies majors must make a presentation in the European Studies 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 Major	
<i>60–70 credits; 25 upper-division</i>	
Base Courses	
<i>15 credits</i>	
HIS 3331 History of Spain and Portugal	5
HIS 3750 Latin America	5
UCOR 2000 The West and the World	5
Study-Abroad Base Courses	
<i>5–15 credits</i>	
SBS 4918 Seminar in Latin American Culture I*	4
SBS 4919 Seminar in Latin American Culture II*	5
SBS 4937 International Practicum*	6
Total	30

*Note: Denotes courses taken during the semester in Costa Rica. Students not enrolled in the CCCU Costa Rica program will substitute appropriate courses from the approved alternate program. Course descriptions are in the Special Programs section of the Catalog. The approved alternate program must offer a minimum of 10 credits, 5 of which must apply to the major's study-abroad base courses.

Requirements for the Spanish Concentration Major

This specialization requires 40 credits, of which 25 must be upper-division. This is in addition to the 20–30 base credits. A minimum of 18 upper-division credits must be in courses taught in Spanish, including SPN 3110 Composición y Conversación, SPN 4501 Topics in Latin American Literature (3), and SPN 4899 Latin American Capstone. See course listings under Spanish.

Requirements for the Minor

The minimum requirement for a minor in Spanish studies, Latin American emphasis, is 35 credits, of which a minimum of 15 must be upper-division. Each student who minors in Spanish studies, Latin American emphasis, will complete 10 credits from base requirements and 25 credits from the Spanish course offerings. A minimum of 7 upper-division credits must be in courses taught in Spanish, including SPN 3120 *Civilización y Cultura* (3) and SPN 4501 *Topics in Latin American Literature* (3).

European Studies

Today European unity and diversity are powerful subjects for serious study and personal enrichment. Both historical and contemporary Europe are at the center of the world of business, travel, the arts, and international politics.

Christianity has important roots in Europe, and today many see Europe as a field for the challenge and opportunity of evangelization in the 21st century. Graduates in European studies find openings in business, missions, travel, government, and education. The European studies major offers students a B.A. degree with the choice of one of five language programs: French, German, Latin, Russian, Spanish, of a general-studies program titled Europe, or a program in linguistics. All programs focus on the language, culture, and literature of Europeans. All European studies majors must complete satisfactorily the following major requirements:

- 19–21 credits in European studies courses (see base courses for all majors).
- 40 credits in one of the seven programs listed above (43 credits in the linguistics program); 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.
- One quarter of study in Europe with the SPU European Quarter, or an approved alternative.
- A senior paper that integrates learning on Europe (see European Studies Symposium).
- Proficiency in a second European language (other than English) equivalent to 15 credits of college-level elementary language study; in this way a broader interest in the diversity of the European community is assured; these credits may be met by a competency exam or by approved coursework.

European Quarter is a SPU sponsored study-abroad program held Autumn or Spring Quarter, alternate 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. The European Studies Symposium is a gathering of faculty, students, and professional staff at the University for the presentation of academic and creative work on "the European experience." All European studies majors must make a presentation in the symposium before graduation.

Admission to the European Studies Major

Applicants for a major in European studies, all programs, 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 European studies.

Base Courses for All Majors

19–22 credits	
EUR 1110 <i>Heritage of Europe</i>	5
EUR 3000 <i>European Quarter Orientation</i>	1
EUR 3100 <i>Foundations of European Art</i>	3
EUR 3500 <i>European Civilization</i>	
or 5 credits from the SPU sponsored programs in Salamanca, Normandy, or Germany	5

EUR 4899 <i>Contemporary European Issues and Personalities</i>	3
An approved course in European literature	3–5
Total	22

Students should note that EUR 3000 European Quarter Orientation is a prerequisite for EUR 3500 and that EUR 3100 Foundations of European Art is highly recommended for EUR 3500, as are appropriate language courses.

European Studies Courses

EUR 1110 *Heritage of Europe* (5) 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; and Literature Core.

EUR 3000 *European Quarter Orientation* (1) Prepares students intellectually, emotionally, spiritually, and practically for an extended study program in other cultures. Gives students a general background in the basic concepts of intercultural communication, including how to make cultural comparisons, how to recognize and cope with culture shock, and how to communicate with people of another culture. Attribute: Upper-Division.

EUR 3100 *Foundations of European Art* (3) 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; Fine Arts Option; and Upper-Division.

EUR 3287 *Mythology in Literature* (5) 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; Literature Option; Upper-Division; and Writing Course.

EUR 3500 *European Civilization* (5) Registration approval: Travel Studies form. 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. Attribute: Upper-Division; and Humanities B.

EUR 3950 *European Special Topics* (1–5) 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. Attribute: Upper-Division; and Humanities B.

EUR 4254 *Translation* (3) 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 one time. Attribute: Upper-Division.

EUR 4899 *Contemporary European Issues and Personalities* (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

EUR 4900 *Independent Study* (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

EUR 4911 *Russian Studies Seminar I: History and Sociology of Religion in Russia* (4) Registration approval: Travel Studies form. Prerequisite: Acceptance into the Russian Studies program. Taught through semester-long program of the Council for Christian Colleges and Universities in Russia. This seminar delves into the history of religion in Russia dating from the beginnings of Christianity in the 10th century to the present day, with emphasis on Orthodoxy and Protestantism, including study of the persecution during the Soviet era and the flourishing of religious activity in post-Soviet years. The course also looks at the current government regulations from various points of view. Attribute: Upper-Division. Class not open to freshmen and non-matriculated students.

EUR 4912 *Russian Studies Seminar II: Russian Peoples, Culture, and Literature* (6) Registration approval: Travel Studies form. Prerequisite: Acceptance into the Russian Studies program. Taught through semester-long program of the Council for Christian Colleges and Universities in Russia. This seminar continues the study of Russian people and culture throughout history using well-known works of Russian literature to examine changes in Russia and their impact on its citizens from ancient times through the czarist and Soviet eras and in Russia today. Attribute: Upper-Division. Class not open to freshmen and non-matriculated students.

EUR 4913 *Russian Studies Seminar III: Russia in Transition* (5) Registration approval: Travel Studies form. Prerequisite: Acceptance into the Russian Studies program. Taught through semester-long program of the Council for Christian Colleges and Universities in Russia. This seminar takes an in-depth look at Russia since 1991. A compendium of background and current journal, magazine, and newspaper articles is utilized, as well as guest lecturers and public-policy representatives. Students are introduced to the complexities of transition from a centrally planned economy to a free-market system and establishment of democratic institutions. Attribute: Upper-Division. Class not open to freshmen and non-matriculated students.

EUR 4914 *International Relations and Business* (3) Registration approval: Travel Studies form. Prerequisite: Acceptance into the Russian Studies program. Taught through semester-long program of the Council for Christian Colleges and Universities in Russia. This class will explore issues related to the newly arising world of business in Russia. Cultural differences, economic potential, ethics, and government policy will be examined. Attribute: Upper-Division. Class not open to freshmen and non-matriculated students.

EUR 4920 *Directed Readings and Research* (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

EUR 4921 *Directed Readings and Research* (1–5) Registration approval: Travel Studies form. Taught in Europe only. Attribute: Upper-Division.

EUR 4930 *Tutorial Practicum* (1–5) Registration approval: Instructor. For advanced students who wish to assist as discussion leaders and graders in courses under the heading of European studies. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

EUR 4950 *Special Topics* (1–5) Focuses on different topics relating to the languages and cultures of Europe. Topics to be announced in the *Online Time Schedule*. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

EUR 4951 *Special Topics* (1–5) Registration approval: Travel Studies form. Focuses on different topics relating to the languages and cultures of Europe. Taught in Europe only. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

Italian Courses

ITL 1100 *Elementary Italian* (1–2) Registration approval: Travel Studies form. A course designed for students who have never studied Italian. This course will focus on vocabulary and structures needed for basic communication. European Quarter only.

ITL 2100 *Intermediate Italian* (2) Registration approval: Travel Studies form. Designed for students having studied some Italian, this course continues the study of vocabulary and structures needed for basic communication. European Quarter only.

ITL 4900 *Independent Study* (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

Europe Program Requirements

Michael Macdonald, Contact Person

Requirements for the Major

A European studies major/European program requires 40 credits, 25 of which must be upper-division, in addition to the 19–21 base course credits and the other major requirements above. The 40 credits must include the following:

European history and political science courses	15
HIS 1201 or 1202 (5) HIS/POL 3440 (5)	
Elective courses in HIS/POL	5
*European languages (minimum competency through 2103 in one language)	20
Elective courses*	5
Total	61

*Note: Elective credits are to be chosen in consultation with the student's advisor from courses in foreign language, literature in translation, or additional courses from the areas listed above.

Requirements for the European Studies Minor

31–33 credits; 15 upper-division	
EUR 3500 <i>European Civilization</i>	5
EUR 4899 <i>Contemporary European Issues and Personalities</i>	3
An approved course in European literature	3–5
Modern European language courses	15
Other European Studies courses	5
Total	31–33

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.

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.

French Courses

FRE 1100 Elementary French (1–5) Registration approval: Travel Studies form. Elementary French in France Study Abroad Program or in European Quarter. May be repeated for credit up to 5 credits.

FRE 1100 Elementary French (1–5) Registration approval: Travel Studies form. Elementary French in France Study Abroad program or in European Quarter. May be repeated for credit up to 5 credits.

FRE 1101 Elementary French I (5) Builds confidence in the four basic skills: understanding, speaking, reading, and writing in the French language. Investigates French culture and its relationship to the language. Attribute: Foreign Language Comp (DP I).

FRE 1102 Elementary French II (5) Prerequisite: FRE 1101 or permission of instructor. Builds confidence in the four basic skills: understanding, speaking, reading, and writing in the French language. Investigates French culture and its relationship to the language. Attribute: Foreign Language Comp (DP I).

FRE 1103 Elementary French III (5) Prerequisite: FRE 1102 or permission of instructor. Builds confidence 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 (DP I); and Foreign Language Comp (DP II).

FRE 2100 Intermediate French (1–5) Registration approval: Travel Studies form. Intermediate French in France Study Abroad program or in European Quarter. May be repeated for credit up to 5 credits. Attribute: Foreign Language Comp (DP II).

FRE 2101 Niveau Intermediaire (5) 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. Attributes: Arts and Humanities B; and Foreign Language Comp (DP II).

FRE 2102 Niveau Intermediaire (5) 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. Attributes: Arts and Humanities B; Foreign Language Comp (DP II); and Literature Option.

FRE 2103 Niveau Intermediaire (5) 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. Attributes: Arts and Humanities B; Foreign Language Comp (DP II); and Literature Option.

FRE 3100 Advanced French (1–5) Registration approval: Travel Studies form. Advanced French in France Study Abroad program or in European Quarter. May be repeated for credit up to 5 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

FRE 3105 Composition et Conversation (3) 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 one time. Attributes: Arts and Humanities B; Arts and Humanities C; Foreign Language Comp (DP II); and Upper-Division.

FRE 3250 La France et le Monde (3) 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 one time. Attributes: Foreign Language Comp (DP II); and Upper-Division.

FRE 3260 Les Arts Francais (3) Explores painting, sculpture, architecture, music, 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 one time. Attributes: Foreign Language Comp (DP II); and Upper-Division.

FRE 4460 La Litterature Francaise-du Moyen Age au 18e Siecle (3) 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 one time. Attributes: Foreign Language Comp (DP II); Upper-Division; and Writing Course.

FRE 4461 La Litterature Francaise-du 19e et du 20e Siecles (3) 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 one time. Attributes: Foreign Language Comp (DP II); and Upper-Division.

FRE 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

FRE 4920 Independent Readings in French (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 10 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

FRE 4930 French Tutorial Practicum (1–6) Registration approval: Instructor. 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: Foreign Language Comp (DP II); and Upper-Division.

FRE 4940 Coop Education: French Internship (1–10) Registration approval: Instructor. 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. Attribute: Upper-Division.

German Program Requirements

Michael Ziemann, Contact Person

Requirements for the Major

A European studies major/German program requires 40 credits, of which 25 must be upper-division, in addition to the 19–21 base course credits and the other major requirements listed above. A minimum of 18 upper-division credits must be in courses taught in German.

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.

German Courses

GER 1100 Elementary German (1–5) Registration approval: Travel Studies form. 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) Builds confidence in the four basic skills: understanding, speaking, reading, and writing in the German language. Investigates German culture and its relationship to the language. Attribute: Foreign Language Comp (DP I).

GER 1102 Elementary German II (5) Prerequisite: GER 1101 or permission of instructor. Builds confidence in the four basic skills: understanding, speaking, reading, and writing in the German language. Investigates German culture and its relationship to the language. Attribute: Foreign Language Comp (DP I).

GER 1103 Elementary German III (5) Prerequisite: GER 1102 or permission of instructor. Builds confidence 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 (DP I); and Foreign Language Comp (DP II).

GER 2100 Intermediate German (1–5) Registration approval: Travel Studies form. 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. Attribute: Foreign Language Comp (DP II).

GER 2101 Intermediate German I: German for Everyday Use (5) 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; Foreign Language Comp (DP II); and Literature Option.

GER 2102 Intermediate German II: German for Professional Use (5) 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; Foreign Language Comp (DP II); and Literature Option.

GER 2103 Intermediate German III: Business German (5) 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; Foreign Language Comp (DP II); and Literature Option.

GER 3100 Advanced German (1–2) Registration approval: Travel Studies form. European Quarter or German Study Abroad program only. May be repeated for credit up to 2 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

GER 3206 Topics in German Language and Literature (3–5) Considers themes in German language and literature illustrated in works chosen from different genres and periods. May be repeated for credit one time. Attributes: Arts and Humanities B; Foreign Language Comp (DP II); Literature Option; and Upper-Division.

GER 3260 German Culture (3,5) 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 one time. Attributes: Foreign Language Comp (DP II); and Upper-Division.

GER 4470 Special Studies in German (5) 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 one time. Attributes: Foreign Language Comp (DP II); and Upper-Division.

GER 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

GER 4920 Independent Readings (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 10 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

GER 4930 German Tutorial Practicum (16) Registration approval: Instructor. 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: Foreign Language Comp (DP II); and Upper-Division.

GER 4940 Coop Education: German Internship (1–10) Registration approval: Instructor. 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. Attribute: Upper-Division.

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 19–21 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.

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.

*Latin is taught alternate years.

Latin Courses

LAT 1101 Elementary Latin I (5) 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. Attribute: Foreign Language Comp (DP I).

LAT 1102 Elementary Latin II (5) Prerequisite: LAT 1101 or permission of instructor. Continues the study in the essentials of classical Latin grammar and syntax. Attribute: Foreign Language Comp (DP I).

LAT 1103 Elementary Latin III (5) 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 (DP I); and Foreign Language Comp (DP II).

LAT 2204 Latin Grammar Review (3) Prerequisite: LAT 1103 or permission of instructor. Provides intensive review of composition and syntax necessary for all advanced work in Latin. Offered alternate years. Attribute: Foreign Language Comp (DP II).

LAT 4920 Independent Readings in Classical Latin (1–5) Registration approval: Independent Study Agreement. Prerequisite: LAT 2204. May be repeated for credit up to 15 credits. Attributes: Arts and Humanities B; Arts and Humanities C; Foreign Language Comp (DP II); and Upper-Division.

LAT 4930 Latin Tutorial Practicum (1–6) Registration approval: Instructor. 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. Attribute: Upper-Division.

LAT 4970 Directed Readings and Research (1–5) Registration approval: Independent Study Agreement. Prerequisite: LAT 4920. May be repeated for credit up to 10 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

Linguistics Program Requirements

Kathryn Bartholomew, Contact Person

Requirements for the Major

64–66 credits; 25 upper-division; and the other major requirements listed above.

Base courses	19–21
European languages*	15
CLA 3170 Classical Civilization	5
LIN 2100 Foundations of Language Study	5
LIN 4145 Phonology	5
LIN 4150 Morphology	5
LIN 4410 Syntax	5
Electives	3
LIN 4400 Comparative Syntax (3), EUR 4254 Translation (3), LIN 4300 Historical Linguistics (3), or LIN 4601 History of English Language (3)	
Total	62–64

*Minimum competency through the third quarter of the intermediate level.

Requirements for the Minor

31 credits; 15 upper-division

LIN 2100 Foundations of Language Study	5
LIN 4145 Phonology	5
LIN 4150 Morphology	5
LIN 4400 Comparative Syntax or EUR 4254 Translation	3
LIN 4410 Syntax	5
LIN 4300 Historical Linguistics or LIN 4601 History of English	3
LIN 4365 Methodology of Foreign Language Teaching	5
Total	31

Linguistics Courses

LIN 2100 Foundations of Language Study (5) 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. Attributes: Arts and Humanities B; and Media.

LIN 4145 Phonology (5) Prerequisite: LIN 2100. A thorough study of sound systems and processes, with problem-solving experience in the analysis of English and other languages. Attribute: Upper-Division.

LIN 4150 Morphology (5) Prerequisite: LIN 2100. A thorough study of word structures and processes, with problem-solving experience in the analysis of English and other languages. Attribute: Upper-Division.

LIN 4200 Second Language Acquisition (3) 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. Course equivalent: LIN 6200. Attribute: Upper-Division.

LIN 4300 Historical Linguistics (3) 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. Attribute: Upper-Division.

LIN 4365 Methodology of Foreign Language Teaching (5) 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. Attribute: Upper-Division.

LIN 4400 Comparative Syntax (3) 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. Attribute: Upper-Division.

LIN 4410 Syntax (5) 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. Attribute: Upper-Division.

LIN 4601 History of the English Language (3) 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. Course equivalent: ENG 4601. Attribute: Upper-Division.

LIN 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

LIN 4920 Directed Readings (1–10) Registration approval: Independent Study Agreement. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class not open to freshmen.

LIN 4930 Tutorial Practicum (1–5) Registration approval: Instructor. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class not open to freshmen.

LIN 4950 Special Topics in Linguistics (1–5) Not offered every year. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

LIN 4952 Special Topics in Linguistics (1–5) Not offered every year. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

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 21 base course credits and the other major requirements listed above. In addition, majors must take HIS 3345 Modern Russia (5). Since a limited number of courses in Russian is 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.

Russian Courses

RUS 1100 Elementary Russian (1–2) Registration approval: Travel Studies form. European Quarter only.

RUS 2100 Beginning Russian I (5) Builds confidence 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. Attribute: Foreign Language Comp (DP I).

RUS 2105 Beginning Russian II (5) 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. Attribute: Foreign Language Comp (DP I).

RUS 2106 Beginning Russian III (5) 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. Attributes: Foreign Language Comp (DP I); and Foreign Language Comp (DP II).

RUS 2207 Modern Russian Culture Through Literature (5) Focuses on Russian culture as seen through the works of such Russian writers as Mikhail Bulgakov, Juri Trifonov, 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. Attribute: Arts and Humanities B.

RUS 3000 Russian Language Study: Intermediate (6,9) Registration approval: Travel Studies form. Prerequisite: Acceptance into the Russian Studies program. Taught through a semester-long program of the Council for Christian Colleges and Universities in Russia. Attribute: Upper-Division. Class not open to freshmen and non-matriculated students.

RUS 3100 Intermediate Russian (5) 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. Attributes: Arts and Humanities B; Foreign Language Comp (DP II); and Upper-Division.

RUS 3101 Advanced Russian (1–2) Registration approval: Travel Studies form. European Quarter only. Attribute: Upper-Division.

RUS 3920 Independent Readings: Intermediate Russian (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 10 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

RUS 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

RUS 4920 Independent Readings: Advanced Russian (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 10 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

RUS 4930 Russian Tutorial Practicum (1–6) Registration approval: Instructor. 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: Foreign Language Comp (DP II); and Upper-Division.

RUS 4940 Coop Education: Russian Internship (1–10) Registration approval: Instructor. 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. Attribute: Upper-Division.

Spanish Program Requirements

Robert Baah, Contact Person

Requirements for the Major

A European studies major/Spanish 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 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.

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.

Spanish Courses

SPN 1100 Elementary Spanish (1–5) Registration approval: Travel Studies form. European Quarter or Salamanca In-Residence program only.

SPN 1101 Elementary Spanish I (5) Develops skill in understanding, speaking, reading, and writing the Spanish language. Investigates Spanish culture and its relationship to the language. Attribute: Foreign Language Comp (DP I).

SPN 1102 Elementary Spanish II (5) Registration approval: Instructor. 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. Attribute: Foreign Language Comp (DP I).

SPN 1103 Elementary Spanish III (5) Registration approval: Instructor. 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. Attributes: Foreign Language Comp (DP I); and Foreign Language Comp (DP II).

SPN 1105 Introduction to Spanish Language and Culture (5) Designed to introduce the basics of the Spanish language and various aspects of Latin American cultures to adult students enrolled in specific programs. This course meets the foreign language requirement for students enrolled in Organizational Behavior and Professional Studies programs. Attribute: Foreign Language Comp (DP II). Class open to organizational behavior and professional studies majors.

SPN 2100 Intermediate Spanish (1–5) Registration approval: Travel Studies form. European Quarter or Salamanca In-Residence program only. Attributes: Foreign Language Comp (DP I); and Foreign Language Comp (DP II).

SPN 2101 Intermediate Spanish I (5) 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. Attributes: Arts and Humanities B; Foreign Language Comp (DP II); and Literature Option.

SPN 2102 Intermediate Spanish II (5) 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. Attributes: Arts and Humanities B; Foreign Language Comp (DP II); and Literature Option.

SPN 2103 Intermediate Spanish III (5) 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. Attributes: Arts and Humanities B; Foreign Language Comp (DP II); and Literature Option.

SPN 3100 Advanced Spanish (1–5) Registration approval: Travel Studies form. European Quarter or Salamanca In-Residence program only. Attributes: Foreign Language Comp (DP I); Foreign Language Comp (DP II); and Upper-Division.

SPN 3101 Advanced Spanish (3) Prerequisite: SPN 2103 or equivalent. A systematic review of Spanish grammar, with attention to stylistic considerations. May be repeated for credit two times. Attributes: Foreign Language Comp (DP II); and Upper-Division.

SPN 3110 Composición y Conversación (3) 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. Attribute: Upper-Division.

SPN 3120 Civilización y Cultura (3) 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. Attribute: Upper-Division.

SPN 4100 Intensive Spanish (1–5) Registration approval: Travel Studies form. European Quarter or Salamanca In-Residence program only. Attributes: Foreign Language Comp (DP II); and Upper-Division.

SPN 4105 Literature Survey: Golden Age (3) 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. Attributes: Foreign Language Comp (DP II); Upper-Division; and Writing Course.

SPN 4401 Topics in Spanish Literature (3,5) 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 one time. Attributes: Arts and Humanities B; Foreign Language Comp (DP II); Literature Option; and Upper-Division.

SPN 4501 Topics in Latin American Literature (3,5) 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 one time. Attributes: Arts and Humanities B; Arts and Humanities C; Foreign Language Comp (DP II); and Upper-Division.

SPN 4899 Latin American Capstone Seminar (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

SPN 4900 Independent Study (1–10) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

SPN 4920 Independent Readings Spanish (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 10 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

SPN 4930 Spanish Tutorial Practicum (1–5) Registration approval: Instructor. For advanced students who wish to assist in 1000-level Spanish classes. May be repeated for credit up to 6 credits. Attributes: Foreign Language Comp (DP II); and Upper-Division.

SPN 4940 Coop Education: Spanish Internship (1–10) Registration approval: Intern Learning Contract req. Provides opportunity for practical application of Spanish language skills. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

Faculty

Robert Baah, Professor of Spanish; B.A., University of Ghana, 1982; M.A., University of Alberta, 1989; Ph.D., University of Southern California, 1994. At SPU since 1995.

Kathryn Bartholomew, Associate Professor of Foreign Languages and Linguistics; Director of Graduate TESOL; Chair of Foreign Languages and Literatures; B.A., University of Washington, 1969; M.A., 1970; Ph.D., 1979. At SPU since 1989.

Michelle Beauclair, Associate Professor of French; B.S.L.A., Georgetown University, 1986; M.A., University of Wisconsin-Madison, 1989; Ph.D., University of Wisconsin-Madison, 1994. At SPU since 2004.

Owen Ewald, Assistant Professor of Classics; C. May Marston Professor of Classics; B.A. Yale University, 1992; M. A., University of Washington, 1995; Ph.D., 1999. At SPU since 2001.

Michael Macdonald, Professor of Philosophy and European Studies; B.A., Pacific Lutheran University, 1963; M.A., University of Washington, 1964; Ph.D., University of Washington, 1974. At SPU since 1967.

Katya Nemtchinova, Assistant Professor of TESOL and Russian; Ph.D., State University of New York-Stony Brook, 1997. At SPU since 1997.

Eric Vogt, Associate Professor of Spanish; B.A., University of Hawaii, Manoa, 1977; M. A., University of Missouri, 1983; Ph.D., 1988. At SPU since 2001.

Michael Ziemann, Associate Professor of European Studies/German and Linguistics; B.A., Freie Universität, West Berlin, McPherson College, 1968; M.A., Kansas State University, 1969; Ph.D., Washington University (St. Louis), 1974. At SPU since 1982.

Latin American Studies

See Languages

Math Education

See Education

Mathematics

Otto Miller Hall
(206) 281-2140
www.spu.edu/depts/math

Robbin O'Leary, Chair, **Brian Gill**, **Steve Johnson**, **Russ Killingsworth**, **Wai Lau**, **Robbin O'Leary**, **Sharon 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 section of the *Catalog* 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.

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.

Computer use. Each mathematics student should have strong computer skills. Students wishing careers in industry or applied mathematics should know a programming language.

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 Mathematics Major	
B.A. in Mathematics	
<i>57 credits; 28 upper-division</i>	
<i>Refer to pages 60–62 for a summary of degree requirements.</i>	
MAT 1225, MAT 1226 Calculus	10
MAT 1228 Series and Differential Equations	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)	
or MAT 3443 Transformational Geometry (3)	3
MAT 4402 Modern Algebra I	3
MAT 4610 Evolution of Mathematical Thought	3
MAT 3751 Real Analysis II (3)	
or MAT 4403 Modern Algebra II (3)	3
MAT 4899 Senior Seminar	3
Additional credits in courses numbered 3000–4999*	8
Total	57
*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.	
B.S. in Mathematics	
<i>64 credits; 38 upper-division</i>	
<i>Refer to pages 60–62 or a summary of degree requirements.</i>	
MAT 1225, MAT 1226 Calculus	10

MAT 1228 Series and Differential Equations	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 I	3
MAT 4403 Modern Algebra II	3
MAT 4899 Senior Seminar	3
Additional credits in courses numbered 3000–4999*	21
Total	64

*Courses MAT 4363 and MAT 4830 are strongly recommended. A maximum of 3 credits in MAT 4930 may be applied.

Note: 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.

B.S. in Computational Mathematics	
100 credits; 38 upper-division	
Refer to pages 60–62 or a summary of degree requirements.	
MAT 1225, 1226 Calculus	10
MAT 1228 Series and Differential Equations	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 3724 Applied Analysis	3
MAT 4725 Numerical Analysis	5
MAT 4830 Mathematical Modeling	5
MAT 4899 Senior Seminar	3
CSC 1230 Problem Solving and Programming	5
CSC 2430 Data Structures I	5
CSC 2431 Data Structures II	5
CSC 2220 Scientific Programming	3
CSC 3430 Algorithm Design and Analysis	4
CSC 3150 Systems Design	5
CSC 3750 Computer Architecture and Organization	5
PHY 1121, PHY 1122, PHY 1123 Physics for Science and Engineering	15
Additional credits in CSC numbered 3000–4999.	8
Total	100

Requirements for the Mathematics Minor	
30 credits; 15 upper-division	
Open electives in MAT (including at least 15 credits numbered 3000–4999*.	30
Total	30

Note: 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 taking exams I, II, and III as 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 section.)

Mathematics Courses

MAT 0121 Arithmetic Review I (1) 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.) Attribute: Remedial.

MAT 0122 Arithmetic Review II (1) 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.) Attribute: Remedial.

MAT 0123 Arithmetic Review III (1) 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.) Attribute: Remedial.

MAT 0124 Arithmetic Review IV (1) 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.) Attribute: Remedial.

MAT 0125 Arithmetic Review V (1) 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.) Attribute: Remedial.

MAT 0126 Arithmetic Review VI (1) 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.) Attribute: Remedial.

MAT 0131 Arithmetic Review (2) Studies the fundamentals of arithmetic in a classroom setting rather than in the Math Lab. Only open to those needing 5 credits of Arithmetic Review. Credits in this course do not apply toward graduation requirements. Attribute: Remedial.

MAT 0132 Arithmetic Review (3) 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. Attribute: Remedial.

MAT 0140 Introductory Algebra (3) 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.) Attribute: Remedial.

MAT 0152 Intermediate Algebra I (3) Studies linear equations and inequalities, real numbers, polynomials, rational expressions, radicals, and exponents. (Offered only in the Math Lab.) Attribute: Remedial.

MAT 0153 Intermediate Algebra II (2) Explores systems of equations; quadratic equations and inequalities; exponential functions; and logarithms. (Offered only in the Math Lab.) Attribute: Remedial.

MAT 1110 Algebra and Trigonometry (5) 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) 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) 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) 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: Quantitative Reasoning; and Mathematics.

MAT 1225 Calculus (5) 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: Quantitative Reasoning; and Mathematics.

MAT 1226 Calculus (5) 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 and Differential Equations (5) 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) 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: Quantitative Reasoning; and Mathematics.

MAT 1521 Introduction to Contemporary Mathematics (5) 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. Attributes: Quantitative Reasoning; and Mathematics.

MAT 1720 Mathematics for Computer Science (5) 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) Prerequisites: MAT 1226, 2401. Studies vectors and analytic geometry in three dimensions, partial differentiation, and multiple integration.

MAT 2375 Probability Theory (2) 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) 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) Prerequisite: MAT 1226. Studies vector spaces, matrices, and linear transformations.

MAT 2530 Survey of Mathematics I (3) Registration approval: School of Education. 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: Quantitative Reasoning; and Mathematics. Class not open to freshmen.

MAT 2531 Survey of Mathematics II (2) Registration approval: School of Education. 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: Quantitative Reasoning; and Mathematics. Class not open to freshmen.

MAT 2700 Statistics for Business and Economics (5) Registration approval: SBE coordinator. Prerequisites: BUS 1700 or CSC 1123, and a passing score on Mathematics Proficiency exam. Explores descriptive statistics, probability, random variable distributions, estimation, hypothesis testing, regression, and nonparametric statistics. Course equivalent: BUS 2700. Attributes: Quantitative Reasoning; and Mathematics.

MAT 2720 Discrete Mathematics (3) Prerequisite: MAT 1226. Studies sets, logic, Boolean algebra, relations, functions, and graphs.

MAT 3401 Number Theory (3) 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. Attribute: Upper-Division.

MAT 3441 Axiomatic Geometry (3) Prerequisite: MAT 3749. Surveys foundations of Euclidean, non-Euclidean, and projective geometries from an axiomatic approach. Offered alternate years. Attribute: Upper-Division.

MAT 3443 Transformational Geometry (3) Prerequisite: MAT 3749. Surveys Euclidean, non-Euclidean, and projective geometries using a transformational approach. Offered alternate years. Attribute: Upper-Division.

MAT 3724 Applied Analysis (3) Prerequisites: MAT 1228 and 2228. Studies vector analysis, Fourier series, partial differential equations, and boundary value problems. Offered alternate years. Attribute: Upper-Division.

MAT 3725 Applied Analysis (3) Prerequisite: MAT 3724. Continuation of MAT 3724, including special functions. Offered as needed. Attribute: Upper-Division.

MAT 3730 Complex Variables (3) Prerequisites: MAT 1228, 2228. Studies theory and applications of complex variables; analytic functions, integrals, and power series applications. Offered alternate years. Attribute: Upper-Division.

MAT 3749 Introduction to Analysis (5) 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. Attribute: Upper-Division.

MAT 3751 Real Analysis II (3) Prerequisite: MAT 3749. Builds on the topics introduced in MAT 3749, including explorations of differentiation and integration. Offered alternate years. Attribute: Upper-Division.

MAT 4363 Mathematical Statistics (3) 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. Attribute: Upper-Division.

MAT 4402 Modern Algebra (3) Prerequisite: MAT 3749. Studies algebraic structures, including groups, rings, and fields. Attributes: Upper-Division; and Writing Course.

MAT 4403 Modern Algebra (3) Prerequisite: MAT 4402. Continuation of MAT 4402. Offered alternate years. Attributes: Upper-Division; and Writing Course.

MAT 4610 The Evolution of Mathematical Thought (3) Prerequisites: MAT 3749 or permission of instructor. Investigates the ideas, methods, and work of great mathematicians of the past. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

MAT 4725 Numerical Analysis (5) 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. Attribute: Upper-Division.

MAT 4830 Mathematical Modeling (5) 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. Attribute: Upper-Division.

MAT 4899 Senior Capstone Seminar (1–5) 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; and Writing Course. Class not open to freshmen, sophomores, and juniors.

MAT 4904 Independent Study in Mathematics (1–5) Registration approval: Independent Study Agreement. Prerequisites: 6 credits in upper-division mathematics. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MAT 4910 Mathematics Seminar (1–5) Investigates topics of current interest through student reports. May be repeated for credit five times. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MAT 4930 Practicum in Mathematics (1–5) Registration approval: Instructor. Practical experience in the Math Lab. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MAT 4940 Internship in Mathematics (1–5) Registration approval: Intern Learning Contract req. Provides a significant learning experience to be obtained in a closely supervised work-study program. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

MAT 4950 Special Topics in Mathematics (1–5) May be repeated for credit up to 6 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

Faculty

Brian T. Gill, Assistant Professor of Mathematics; B.S., Truman State University, 1991; M.A., University of Kentucky, 1994; M.S., State University of New York at Albany, 1999; Ph.D., State University of New York at Albany, 1999. At SPU since 1999.

Steven D. Johnson, Associate Professor of Mathematics; Chair of Mathematics; B.A., Westmont College, 1974; Ph.D., University of Minnesota, 1982. At SPU since 1982.

Russ Killingsworth, Assistant Professor of Mathematics, Math Lab Coordinator; B.A., California State University, Sacramento, 1986; M.A., California State University, Stanislaus, 1992. At SPU since 1996.

Wai Lau, Assistant Professor of Mathematics; B.S., Hong Kong Baptist College, 1989; M.S., Texas A&M University, 1992; Ph.D., 1998. At SPU since 2001.

Robbin Lerch O'Leary, Associate Professor of Mathematics; B.A., Goshen College, 1980; M.S., Idaho State University, 1985; Ph.D., University of Texas at Austin, 1990. At SPU since 1990.

Sharon Young, Associate Professor of Mathematics; B.A., University of Redlands, 1966; M.A., University of Denver, 1976; Ph.D., University of Colorado, 1979. At SPU 1995–1999 and since 2000.

Music

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

Ramona Holmes, Chair, **David Anderson**, **James Denman**, **Eric Hanson**, **Wayne Johnson**, **Gerry Marsh**, **David Shockey**, **Tamara Still**

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.

General Requirements for All Music Majors

48 credits

Refer to pages 60–62 for a summary of degree requirements.

MUS 1101 Musicianship I: Materials and Structure	5
MUS 1102 Musicianship I: Materials and Structure	5
MUS 1103 Musicianship I: Materials and Structure	5
MUS 2101 Musicianship II: Materials and Structure	4
MUS 2102 Musicianship II: Materials and Structure	4
MUS 2103 Musicianship II: Materials and Structure	4
MUS 2601 Survey of Music Literature I	3
MUS 2602 Survey of Music Literature II	3
MUS 2603 Survey of Music Literature III	3
Individual Instruction in a major performance area	6
Piano proficiency	*0–3
Ensemble	6
Total	48–51

*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.

Specific Requirements for the Music Emphasis Areas

Select one of the five emphases:

I. Requirements for Music Education, K–12 Teaching Emphasis

Anyone majoring in K–12 music education also must complete education courses and internship requirements for certification. See requirements in the School of Education section of this Catalog.

General Requirements for All Music Majors 48

In addition to piano proficiency, every music education major must meet guitar proficiency.

Additional Requirements: Music Education Core

17 credits

MUS 2550 Foundations of Music Education	3
MUS 3502 Music in Special Education	3
MUS 3503 General Music Methods and Materials	3
MUS 3608 Music Technology	5
MUS 4655 Context Studies: World Music	3

School of Education Requirements

48 credits

PSY 1180 General Psychology or SOC 1110 Intro to Sociology	5
EDU 2104 Intro to Education	2
EDU 3105 Lab Experience	3
EDU 3250 Secondary Method 1: Planning and Classroom Management	2
EDU 3942 September Experience	1
EDU 4530 Topics in Secondary Education	3
EDU 4800 Teacher as Person	2
EDU 4943 Elementary Internship	15
EDU 4945 Secondary Internship	15

Teaching Options

Select one of the three:

A. Combined Choral/Instrumental Option

29 or 30 credits

MUS 1260 Beginning Voice*	1
MUS 2501 Brass Techniques	1
MUS 2502 Percussion Techniques	1
MUS 2503 String Techniques	1
MUS 2504 Woodwind Techniques	1
MUS 3504 Choral Music Methods and Materials	2
MUS 3505 Instrumental Music Methods and Materials	2
MUS 3603 Choral Literature	2
MUS 3604 Instrumental Literature	2
MUS 4101 Instrumentation and Orchestration (3) or MUS 4102 Choral Arranging (2)	2–3
MUS 4701 Choral Conducting	3

MUS 4702 Instrumental Conducting	3
MUS 4262 Vocal Pedagogy and Techniques	2
See music performance requirement.	6

*Individual vocal instruction may be substituted. This will apply toward musical performance.

B. Choral/Vocal Option

28 credits

Instrumental Concepts

MUS 2501 Brass Techniques	1
MUS 2502 Percussion Techniques	1
MUS 2503 String Techniques	1
MUS 2504 Woodwind Techniques	1
MUS 3505 Instrumental Music Methods and Materials	2

Choral Concepts

MUS 3504 Choral Music Methods and Materials	2
MUS 3603 Choral Literature	2
MUS 4102 Choral Arranging	2
MUS 4701 Choral Conducting	3

Vocal Concepts

MUS 2260 Singers Art I	3
MUS 2261 Singers Art II	3
MUS 4262 Vocal Pedagogy and Techniques	2
MUS 1260 Beginning Voice Class*	2
See music performance requirement.	3

*Individual vocal instruction may be substituted.

C. Instrumental Option

25 credits

Choral Concepts

MUS 3504 Choral Music Methods and Materials	2
MUS 1260 Beginning Voice Class	2

Instrumental Concepts

MUS 2501 Brass Techniques	1
MUS 2502 Percussion Techniques	1
MUS 2503 String Techniques	2
MUS 2504 Woodwind Techniques	1
MUS 3505 Instrumental Music Methods and Materials	2
MUS 3604 Instrumental Literature	2
MUS 4101 Instrumentation and Orchestration	3
MUS 4702 Instrumental Conducting	3
See music performance requirement.	6

Music performance

In addition to the 3–6 credits required of all majors. Select from the following options:

1. Instrumental: 6 credits minimum of individual instruction, of which 3 credits minimum must be upper-division. One half-hour recital.
2. Keyboard: 6 credits minimum of individual instruction, of which 3 credits minimum must be upper-division. One half-hour recital.
3. Vocal: 3 credits minimum of individual instruction. 3 credits of individual instruction must be upper-division. One half-hour recital.

2. Requirements for Performance Emphasis

72–77 credits; 23 upper-division

Audition is required for entry into any music performance program and for all individual instruction.

General Requirements for All Majors 48

Emphasis Options

Select one of the three:

A. Percussion, String, Wind Performance Option

24 credits

Context Studies in Music 9

Select from MUS 4654, MUS 4655, MUS 4656; topics change yearly and one must be MUS 4899 Music Capstone.

Individual Instruction: In addition to the 6 credits required of all majors (10 upper-division credits required). 15

Ensemble: See general requirements for all majors.

Recitals: One half-hour junior solo recital and one full-hour senior solo recital.	
B. Piano Performance/Pedagogy Option	
30 credits	
MUS 3506 Piano Pedagogy	3
Context Studies in Music	9
Select from MUS 4654, MUS 4655, MUS 4656; topics change yearly and one must be MUS 4899 Music Capstone.	
Piano Literature (3 credits; offered alternate years.)	3
Individual Instruction: In addition to the 6 credits required of all majors, (10 upper-division credits required).	15
Ensemble: See general requirements for all majors. (3 credits of Keyboard Ensemble/Accompanying required.)	
Accompanying: All students with an emphasis in piano performance and all piano scholarship recipients are required to do one hour of studio accompanying per week. See complete policy in the <i>Music Handbook</i> . One quarter of group teaching experience (assisting in piano lab) is required of all students in this option.	
Recitals: One half-hour junior solo recital and either one full hour senior solo recital or pedagogy paper/lecture-demonstration.	
C. Vocal Performance Option	
29 credits	
MUS 2260 The Singer's Art I	3
MUS 2261 The Singer's Art II	3
MUS 4261 Sacred Vocal Repertoire	3
MUS 4262 Vocal Pedagogy/Techniques	2
Context Studies in Music: Select from MUS 4654, MUS 4655, MUS 4656; topics change yearly one of them must be MUS 4899 Music Capstone.	6
Individual Instruction: In addition to the 6 credits required of all majors (10 upper-division required).	12
Ensemble: See general requirements for all majors.	
Recitals: One half-hour junior solo recital and one full hour senior solo recital.	
3. Requirements for Theory and Literature Emphasis	
72-77 credits; 23 upper-division	
General Requirements for All Majors	48
Additional requirements	
24-29 credits	
Context Studies in Music: Select from MUS 4654, MUS 4655, MUS 4656; topics change yearly one of them must be MUS 4899 Music Capstone	12
Individual Instruction	3
Ensembles (see general requirements for all majors)	
Emphasis Options	
Select one of the two	
A. Composition Option	
MUS 3608 Music Technology Applications	5
MUS 4100 Composition (Credits to be distributed over at least two quarters and culminating in a senior composition).	9
B. Music theory and literature option	
Context Studies in Music: Select from MUS 4654, MUS 4655, MUS 4656 in addition to those required above.	3
MUS 4921 Directed Readings in Music (Credits to be distributed over at least two quarters and culminating in a senior paper.)	6
4. Requirements for Music Technology Emphasis	
80 credits; 23 upper-division	
General Requirements for All Majors	48
Additional requirements	32
Context Studies in Music Select from MUS 4654, MUS 4655, MUS 4656; topics change yearly one of them must be MUS 4899 Music Capstone.	
Total	9
Individual instruction	
Ensembles (see general requirements for all majors)	
MUS 3608 Computer Notation	5
MUS 3609 Advanced Music Technology (distributed over at least two quarters)	5
MUS 4943 Music Internship	5

MUS 4960 Special Projects in Music	3
5. Requirements for General Emphasis	
73 credits	
General Requirements for All Majors	48
Additional requirements	
Upper-division music electives: 25 and must include MUS 4899 Music Capstone.	

Requirements for the Music Minor	
45 credits; 15 upper-division	
MUS 1101, 1102, 1103 Musicianship: Materials and Structure	15
MUS 2601, 2602, 2603 Music History and Literature	9
Context Studies in Music	
Select from MUS 4654, 4655, 4656, 4899	3
Ensemble participation	3
Individual instruction	3
Music electives to complete 45 credits	5
Total	45

Note: Application should be made to the Division of Fine Arts. Forms are available in the division office.

Fees in Music Classes

For fees in individual instruction, music technology, keyboard, class voice, and musicianship, see the cost section of the *Catalog*.

Music Courses

MUS 1028 Chamber Music Workshop (2-3) 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: Material and Structure (5) 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: Material and Structure (5) 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: Material and Structure (5) 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 Beginning Keyboard Class (2) 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. Class not open to music majors.

MUS 1251 Intermediate Keyboard Class (2) 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. Class not open to music majors.

MUS 1254 Beginning Keyboard Proficiency (2) 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. Class open to music majors.

MUS 1255 Intermediate Keyboard Proficiency (2) 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. Class open to music majors.

MUS 1260 Voice Class (2) 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) 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.

MUS 1271 Intermediate Folk Guitar (1) Prerequisite: MUS 1270. May be repeated for credit three times.

MUS 1600 Exploring and Understanding Music (5) 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: Arts and Humanities A. Class not open to music majors.

MUS 2101 Musicianship II: Materials and Structure (4) 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. Corequisite: MUS 2601.

MUS 2102 Musicianship II: Materials and Structure (4) 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. Corequisite: MUS 2602.

MUS 2103 Musicianship II: Materials and Structure (4) 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. Corequisite: MUS 2603.

Individual Instruction Series

Available in major and non-major sections. Permission of instructor and audition are required to register for all courses listed in this series. Except as otherwise noted, courses may be repeated for an unlimited number of credits. Upper-division courses are open to fine arts majors and are not open to freshmen or sophomores. An extra fee is charged for all courses.

Individual Instruction Series		
MUS 2201/4201	Individual Instruction	Flute (1-2)
MUS 2202/4202	Individual Instruction	Oboe (1-2)
MUS 2203/4203	Individual Instruction	Clarinet (1-2)
MUS 2204/4204	Individual Instruction	Bassoon (1-2)
MUS 2205/4205	Individual Instruction	Trumpet (1-2)
MUS 2206/4206	Individual Instruction	Horn (1-2)
MUS 2207/4207	Individual Instruction	Trombone (1-2)
MUS 2208/4208	Individual Instruction	Baritone (1-2)
MUS 2209/4209	Individual Instruction	Tuba (1-2)
MUS 2210/4210	Individual Instruction	Percussion (1-2)
MUS 2211/4211	Individual Instruction	Violin (1-2)
MUS 2212/4212	Individual Instruction	Viola (1-2)
MUS 2213/4213	Individual Instruction	Violin Cello (1-2)
MUS 2214/4214	Individual Instruction	Double Bass (1-2)
MUS 2215/4215	Individual Instruction	Harp (1-2)
MUS 2216/4216	Individual Instruction	Organ (1-2)
MUS 2217/4217	Individual Instruction	Piano (1-2)
MUS 2219/4219*	Individual Instruction	Voice (1-2)
MUS 2220/4220	Individual Instruction	Classical Guitar (1-2)
MUS 2221/4221	Individual Instruction	Saxophone (1-2)
MUS 2223/4223	Individual Instruction	Jazz Guitar (1-2)
MUS 2224/4224	Individual Instruction	Jazz Piano (1-2)
MUS 2225/4225	Individual Instruction	Harpsichord (1-2)

*Prerequisites: MUS 1260, 1261. Majors and scholarship recipients may be exempt from the prerequisites. MUS 2260, 2261 required for vocal instruction beyond 6 credits. May be repeated for credit up to 6 credits.

Ensemble Series

Permission of instructor and audition are required to register for all courses listed in this series. Courses may be repeated for an unlimited number of credits. Upper-division courses are not open to freshmen or sophomores.

MUS 2301/4301 Choral Society: Gospel Choir (1) A choral ensemble specializing in the preparation, study, and performance of gospel music. May be repeated for credit up to 12 credits.

MUS 2303/4303 Seattle Pacific Singers (Unlimited) (1) Registration approval: Instructor and audition. Selected scholarship performing group that represents the University in various public relations endeavors. May be repeated an unlimited number of times.

MUS 2304/4304 Chamber Singers (1) Registration approval: Instructor and audition. Small choral ensemble selected from Concert Choir members. Perform literature appropriate for chamber ensemble. May be repeated an unlimited number of times.

MUS 2305/4305 Women's Choir (2) Registration approval: Instructor and audition. 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. Attributes: Arts and Humanities A.

MUS 2306/4306 Brass Ensemble (1) Registration approval: Instructor and audition. May be repeated an unlimited number of times.

MUS 2307/4307 Percussion Ensemble (1–2) Registration approval: Instructor and audition. May be repeated an unlimited number of times.

MUS 2308/4308 Woodwind Ensemble (Flute) (1) Registration approval: Instructor and audition. 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. Attribute: Arts and Humanities A.

MUS 2309/4309 String Ensemble (1) Registration approval: Instructor and audition. May be repeated an unlimited number of times.

MUS 2310/4310 Keyboard Ensemble/Accompanying (1) Registration approval: Instructor and audition. Emphasis on piano duet and two-piano literature, as well as accompanying skills. May be repeated an unlimited number of times.

MUS 2311/4311 Jazz Ensemble (2) Registration approval: Instructor and audition. An organization that specializes in the preparation, study, and performance of music from the jazz literature. May be repeated an unlimited number of times. Attribute: Arts and Humanities A.

MUS 2312/4312 Men's Choir (2) Registration approval: Instructor and audition. 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: Arts and Humanities A.

MUS 2313/4313 Vocal Jazz Ensemble (2) Registration approval: Instructor and audition. 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. Attribute: Arts and Humanities A.

MUS 2340/4340 Chamber Ensemble (1) Registration approval: Instructor and audition. Includes chamber music experience of various types — woodwind, brass, string, Javanese gamelan, percussion, and worship band. May be repeated for an unlimited number of credits. Attribute: Arts and Humanities A.

MUS 2350/4350 Concert Choir (2) Registration approval: Instructor and audition. 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: Arts and Humanities A.

MUS 2351/4351 Symphonic Wind Ensemble (2) Registration approval: Instructor and audition. 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. Attributes: Arts and Humanities A.

MUS 2353/4353 Symphony Orchestra (2) Registration approval: Instructor and audition. 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. Attributes: Arts and Humanities A.

MUS 2360/4360 Opera Workshop (1–2) Registration approval: Instructor. Practical experience in preparation and performance of scenes from opera repertoire. May be repeated for an unlimited number of credits.

MUS 2260 The Singer's Art I (3) 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) 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 2501 Brass Techniques (1) 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.

MUS 2502 Percussion Techniques (1) Designed for music education majors. Students learn how to teach the percussion instruments.

MUS 2503 String Techniques (1) May be taken for two quarters. Designed for music education majors. Students learn how to teach string instruments. May be repeated for credit one time. Class open to music majors.

MUS 2504 Woodwind Techniques (1) 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) 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. Class open to music and intended music majors.

MUS 2601 Survey of Music Literature I (3) 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) 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) A chronological study of the development of Western art music from the late Romantic period to the present.

MUS 2604 Soundscape (5) 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. Attributes: Arts and Humanities A. Class not open to music majors.

MUS 2605 Survey of Popular Music (5) 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. Attributes: Arts and Humanities A. Class not open to music majors.

MUS 2654 World Music (3) 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. Corequisite: MUS 2655. Attributes: Arts and Humanities A.

MUS 2655 World Music Laboratory (2) 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. Corequisite: MUS 2654. Attributes: Arts and Humanities A.

MUS 3309 Music Technology Applications (1–3) 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 Session only. May be repeated for credit up to 6 credits. Course equivalents: EDTC 5309 and MUS 5309. Attribute: Upper-Division. Class not open to graduate students.

MUS 3401 Music and Worship (2) A study of the philosophical, biblical, and theological relationships of music to worship in the Christian church. Attributes: Arts and Humanities A and Upper-Division.

MUS 3500 Fundamentals of Music for Future Teachers (2) 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. Attribute: Upper-Division. Class not open to music majors.

MUS 3501 Elementary Methods and Materials (3) 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. Attribute: Upper-Division. Class not open to music majors. Class not open to freshmen.

MUS 3502 Music in Special Education (3) This course centers on methods for dealing with music and related arts with children who have special needs. Materials for use with children are developed. This course is designed for special education and music education majors. Elementary education certification students may take MUS 3502 toward General Education Arts and Humanities A. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 3503 General Music Methods and Materials (3) 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. Attribute: Upper-Division. Class open to fine and applied arts and music majors.

MUS 3504 Choral Music Methods and Materials (2) 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. Attribute: Upper-Division. Class open to music majors. Class not open to freshmen.

MUS 3505 Instrumental Music Methods and Materials (2) Prerequisite: MUS 2550. A survey of the instrumental music program, grades five through 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. Attribute: Upper-Division. Class open to music majors. Class not open to freshmen.

MUS 3506 Piano Pedagogy (3) 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. Attributes: Upper-Division; and Writing Course.

MUS 3602 The Magic of Opera (5) 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. Attributes: Arts and Humanities A; and Upper-Division. Class not open to freshmen.

MUS 3603 Choral Literature (2) 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 five through 12. Consideration given for balance in programming. Offered alternate years. Attribute: Upper-Division. Class not open to freshmen.

MUS 3604 Instrumental Literature (2) Prerequisites: MUS 1101, 1102, 1103. A survey of instrumental music appropriate for performance by groups in grades five through 12. Offered alternate years. Attribute: Upper-Division. Class not open to freshmen.

MUS 3608 Music Technology Applications (5) 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 two times. Attribute: Upper-Division.

MUS 3609 Advanced Music Technology (5) Registration approval: Instructor. 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 three times. Attribute: Upper-Division. Class open to music majors.

MUS 4100 Composition (1–3) 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. Attribute: Upper-Division.

MUS 4101 Instrumentation and Orchestration (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4102 Choral Arranging (2) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4261 Sacred Vocal Repertoire (3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4262 Vocal Pedagogy and Techniques (2) Registration approval: Instructor. Prerequisites: MUS 1260, 2219. This course is designed to explore and understand the nature of the singing voice and methods of vocal instruction. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4401 The Song of the Church (3) A study of congregational singing including its history, its genre, its criticism, and its effective use in the worship service. Attributes: Arts and Humanities A; and Upper-Division.

MUS 4402 History and Appreciation of Jazz (5) 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; Fine Arts Core; Upper-Division; and Writing Course.

MUS 4654 Context Studies in Music I (3) 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 three times. Attributes: Upper-Division; and Writing Course. Class open to music majors. Class not open to freshmen and sophomores.

MUS 4655 Context Studies in Music II (3) 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 three times. Attributes: Upper-Division; and Writing Course. Class open to music majors. Class not open to freshmen and sophomores.

MUS 4701 Choral Conducting (3) Prerequisites: MUS 1101, 1102, 1103. A course designed to develop advanced choral conducting skill and techniques. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4702 Instrumental Conducting (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4899 Music, The Musician, and Religious Experience (3) 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; and Writing Course. Class open to music majors. Class not open to freshmen and sophomores.

MUS 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

MUS 4920 Directed Readings in Music Education (1–5) Registration approval: Independent Study Agreement. Independent study in music education. May be repeated for credit up to 9 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4921 Directed Readings in Music History (1–5) Registration approval: Independent Study Agreement. Independent study in music history. May be repeated for credit up to 9 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4922 Directed Readings in the Psychology of Music (1–5) Registration approval: Independent Study Agreement. Attribute: Upper-Division.

MUS 4930 Practicum (1–5) Registration approval: Instructor.

MUS 4941 Choral Conducting Internship (1–5) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4942 Instrumental Conducting Internship (1–5) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4943 Music Internship (1–5) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

MUS 4950 Special Topics in Music (1–5) Registration approval: Instructor. Topic and credits to be announced in *Online 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. Attribute: Upper-Division. Class open to music majors. Class not open to freshmen and sophomores.

MUS 4960 Special Projects in Music (1–5) Registration approval: Instructor. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

Study Programs

Contemporary Christian music courses are part of a special program through the Music Department and are held in Martha's Vineyard. See page 71 for details of the program.

MUS 1000 Contemporary Christian Music: Inside the Music Industry (4) Registration approval: Travel Studies form. 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 3000 Contemporary Christian Music: Studio Recording (5) Registration approval: Travel Studies form. 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 multitrack studio. Part of artist track. Attribute: Upper-Division.

MUS 3001 Contemporary Christian Music: Essentials of Songwriting (5) Registration approval: Travel Studies form. 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. Attribute: Upper-Division.

MUS 3002 Contemporary Christian Music: Performance (4) Registration approval: Travel Studies form. 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. Attribute: Upper-Division.

MUS 3003 Contemporary Christian Music: Artists and Repertoire (5) Registration approval: Travel Studies form. 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. Attribute: Upper-Division.

MUS 4935 Contemporary Christian Music: Practicum (1) Registration approval: Travel Studies form. 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. Attribute: Upper-Division.

Faculty

David Anderson, Assistant Professor of Choral Music; B.A., Whitworth College, 1981; M.Mus., University of Oregon, 1987. At SPU since 1992.

Myrna Capp, Assistant Professor of Music; B.A., Seattle Pacific College, 1959; M.A., University of Washington, 1977; D.M.A., 1995. At SPU since 1968.

James Denman, Instructor in Music; B.Mus., San Francisco State University, 1975; M.A., 1977. At SPU since 1993.

Eric Hanson, Professor of Music; B.M.E., Wheaton College, 1971; M.M., Colorado State University, 1974; D.M.A., University of Washington, 1986. At SPU since 1979.

Ramona Holmes, Professor of Music; Chair of Music; B.S., Portland State University, 1974; M.A.T., University of Washington, 1978; M.A., 1982; D.M.A., 1990. At SPU since 1994.

Wayne D. Johnson, Professor of Music; B.A., Bob Jones University, 1969; M.M., University of Cincinnati, 1975. D.M.A., 1986. At SPU since 1977.

Gerry Marsh, Instructor of Music; B.A., Northwest Nazarene College, 1967; M. Music, University of Oregon, 1968. At SPU since 1998.

David Shockey, Associate Professor of Music; B.S., M.Ed., Roberts Wesleyan College, 1974; M.M., Eastman School of Music, 1980; D.M.A., Ohio State University, 1991. At SPU since 2002.

Tamara Still, Instructor of Music; M.F.A., University of California at Los Angeles. At SPU since 1993.

Part-Time Lecturers

Dan Adams, Music; B.M.E., University of Idaho, 1974; M.Mus., University of Washington, 1988. At SPU since 1988.

Ian Alvarez, Music; B.A., Music Education, Seattle Pacific University, 1980; M.M., Western Washington University, 1985. At SPU since 2003.

Margaret Brennand, Music; B. Mus., Eastman School of Music, 1984. At SPU since 1999.

Rodger Burnett, Music; B.Mus., Illinois State University, 1976; M.A., University of Washington, 1983. At SPU since 1989.

Julian Catford, Music; B.A., Grand Valley State College, 1977. At SPU since 2000.

Brian Chin, Music; B.M., Rutgers University, 1998; M.M., Rutgers University, 2001. At SPU since 2002.

Shelley Collins, Music; B.A., Seattle Pacific University, 1994; M.M., Arizona State University, 1997; Ph.D., University of Colorado at Boulder, 2004. At SPU since 2001.

Paul de Barros, Music; B.A., U.C. Berkeley, 1967. At SPU since 2001.

Michelle Doiron, Music; B.M., Cornish College of the Arts, 1998. At SPU since 2004.

Dayna Fisher, Music; B.M., Eastman School of Music, 1962. At SPU since 2000.

Todd Gowers, Music; B.M., Pacific Lutheran University, 1988. At SPU since 1997.

Catherine Haight, Music; B.A., Seattle Pacific College, 1976. At SPU since 1994.

Ronald Haight, Music; B.A., Seattle Pacific University, 1979. At SPU since 1992.

Jack Halm, Music; B.A., Western Washington University, 1968; M.A., University of Washington, 1984. At SPU since 2001.

Mary Kantor, Music; B.M., University of Washington, 1980. At SPU since 2000.

Jacinta Koreski, Music; B.A., Central Washington University, 1983; M.M., 1985. At SPU since 1994.

Stephen Newby, Music; B.A., Madonna University, 1984; M.M., University of Massachusetts, 1987; D.M.A., University of Michigan, 1994. At SPU since 2004.

William Park, Music. At SPU since 1996.

Francine Peterson, Music; B.Mus., San Francisco State University, 1976; M.M. University of Washington, 1981. At SPU since 2003.

Matt Schneider, Music; B.A., Central Washington University, 2001. At SPU since 2004.

Julie Kae Sigars, Music; B.M. Ed., University of N. Texas, 1978; M.M., N. Arizona University, 1982; M.Div., Seattle University, 2002. At SPU since 2004.

Robert Swan, Music; B.A., Eastman School of Music, 1968; M.Mus., The Juilliard School, 1974; D.M.A., University of Arizona, 1990. At SPU since 1992.

Ilkka Talvi, Music; Sibelius Academy, 1967. At SPU since 2004.

Kim Zabelle, Music; B.M., University of Michigan, 1990; M.M., University of Washington, 1994. At SPU since 2000.

Natural and Mathematical Sciences

Interdisciplinary Courses

NMS 3980 Pre-professional Health Sciences Field Experience (2) Registration approval: Instructor. A course arranged on an individual basis, preferably before the third year. It includes several components: an actual field experience as an "invited guest observer" in a professional work setting to see a variety of activities and to talk formally and informally to professionals who are in various stages of training and practice; a record or diary of these experiences; a personal report of impressions and perceptions that is to be submitted; readings that emphasize ethical questions and dilemmas. Attribute: Upper-Division.

Nursing

See Health Sciences, School of

Philosophy

Marston Hall
(206) 281-2036
www.spu.edu/depts/philosophy

C. Stephen Layman, Chair, **Phillip Goggans**, **Patrick McDonald**, **Michael Macdonald**

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	
55 credits; 25 upper-division	
Introductory Course	
One of PHI 1100, PHI 1002, or PHI 1004	5
History Courses	
PHI 3601 Ancient Philosophy	5
PHI 3602 Medieval Philosophy	3
PHI 3633 Early Modern Philosophy	5
Systematic Courses	
PHI 1001 The Power of Logic	5
PHI 2001 Advanced Logic	3
PHI 3651 Contemporary Ethical Theory	5
PHI 4652 Contemporary Metaphysics	5
PHI 4653 Contemporary Epistemology (3) or PHI 3999 Mind and Immortality (3)	3
Capstone	
PHI 4899 Senior Capstone in Philosophy	2
Electives (USCH 1113, HIS 3435, THEO 4401, and UCOR 3000 may be included in elective courses)	14
Total	55

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	
30 credits; 15 upper-division	
Introductory Course	
One of PHI 1100, PHI 1002, or PHI 1004	5
History Course	
Select one course from the following:	
PHI 3601 Ancient Philosophy (5)	
PHI 3602 Medieval Philosophy (3)	
PHI 3633 Early Modern Philosophy (5)	3-5
Systematic Course	
PHI 1001 The Power of Logic	5
Electives	15-17
Total	30

Philosophy Courses

PHI 1001 Power of Logic (5) 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). Attribute: Arts and Humanities B.

PHI 1002 History of Ethics (5) A survey of major philosophical ethicists emphasizing the works of Plato, Aquinas, Kant, and Mill. Attribute: Arts and Humanities B.

PHI 1004 Survey of Western Philosophy (5) This course surveys the main ideas, movements and figures in the history of Western philosophy from Socrates to Wittgenstein. Attribute: Arts and Humanities B.

PHI 1100 Faith and Philosophy (5) A topical introduction to philosophy that emphasizes connections between philosophy and the Christian tradition. Attributes: Arts and Humanities B; and Christian Perspectives.

PHI 2001 Advanced Logic (3) Prerequisite: PHI 1001. Covers these topics: predicate logic with identity, probability, and modal logic.

PHI 2500 Philosophy of Science (3) 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. Attribute: Arts and Humanities B.

PHI 2801 C.S. Lewis and Values (3) 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) 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; and Fine Arts Option.

PHI 3601 Ancient Philosophy (5) 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; and Writing Course.

PHI 3602 Medieval Philosophy (3) 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; and Writing Course.

PHI 3606 Continental Philosophy (3) 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; and Writing Course.

PHI 3633 Early Modern Philosophy (5) Surveys the thought of main figures in the early modern period such as Descartes, Locke, Leibniz, Hume, and Kant. Attributes: Upper-Division; and Writing Course.

PHI 3651 Contemporary Ethical Theory (5) 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, and moral knowledge. Attributes: Upper-Division; and Writing Course.

PHI 3770 Topics in Political Philosophy (3) 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; and Writing Course.

PHI 3801 C.S. Lewis and Values (3) Examines Lewis's insights into the nature of humanness, the meaning of life, and the possibility of other worlds; evaluates Lewis' position on selected value issues such as marriage, divorce, and friendship. Attributes: Upper-Division; and Writing Course.

PHI 3900 Advanced Philosophy of Religion (5) 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; and Writing Course.

PHI 3999 Mind and Immortality (3) 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; and Writing Course.

PHI 4652 Contemporary Metaphysics (5) 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; and Writing Course.

PHI 4653 Contemporary Epistemology (3) 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) Identifies basic literary, philosophical, and theological categories of C.S. Lewis' work. Evaluates the insights in the great themes that permeate Lewis' literature through examining his major works, including *Mere Christianity*, *Screwtape Letters*, *Great Divorce*, *The Last Battle*, and *The Four Loves*. Incorporates lecture series. Attribute: Upper-Division.

PHI 4899 Senior Capstone in Philosophy (2) Prerequisite: 30 credits in philosophy or instructor's permission. This course has two aims: to help students synthesize what they have learned about certain key issues in the three main branches of philosophy; and 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. Attribute: Upper-Division. Class open to seniors.

PHI 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

PHI 4920 Directed Readings (1–9) Registration approval: Independent Study Agreement. May be repeated for credit up to 9 credits. Attribute: Upper-Division. Class open to juniors and seniors.

PHI 4921 Directed Readings in the Philosophical Writings of C.S. Lewis (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division.

PHI 4930 Philosophy Practicum (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to philosophy majors. Class not open to freshmen and sophomores.

PHI 4940 Philosophy Internship (1–5) Registration approval: Intern Learning Contract req. Prerequisite: 30 credits of philosophy. Practical application of philosophical skills. (See the Philosophy Department's Web site for illustrative possibilities.) May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class open to philosophy majors. Class not open to freshmen and sophomores.

PHI 4950 Special Topics in Philosophy (1–5) 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. Attribute: Upper-Division. Class open to juniors and seniors.

PHI 4970 Independent Research (1–9) Registration approval: Instructor. Attribute: Upper-Division.

Faculty

Phillip N. Goggans, Associate Professor of Philosophy; B.A., Asbury College, 1985; M.A., University of Kentucky, 1988; Ph.D., Syracuse University, 1993. At SPU since 1993.

C. Stephen Layman, Professor of Philosophy; Chair of Philosophy; B.A., Calvin College, 1977; Ph.D., University of California at Los Angeles, 1983. At SPU since 1986.

Patrick McDonald, Assistant Professor of Philosophy; B.A., Seattle University; M.A., University of Notre Dame, 1997; Ph.D., University of Notre Dame, 2001. At SPU since 2001.

Michael H. Macdonald, Professor of Philosophy and European Studies; B.A., Pacific Lutheran University, 1963; M.A., University of Washington, 1964; Ph.D., 1974. At SPU since 1967.

Physical Education and Exercise Science

Royal Brougham Pavilion
(206) 281-2081
www.spu.edu/depts/pe

Dan Tripps, Chair, **JoAnn Atwell-Scrivner**, **Bud Turner**,
Bob Weathers

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, 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 45 credits of core courses, as well as an additional 29 credits that are unique to their major.

Admission and GPA Requirement

Students wishing to major in physical education or exercise science must complete at least 45 quarter credits of college coursework with a minimum 2.5 GPA, including 9 credits taken at SPU that apply to the major or minor.

Requirements for the Majors

Refer to pages 60–62 for a summary of degree requirements.

Core Courses	
BIO 2129 Human Anatomy and Physiology	5
BIO 2130 Human Anatomy and Physiology	5
PES 1301 Personal Health and Wellness	5
PES 2195 Philosophy of Health and Physical Activity	5
PES 2550 Responding to Emergencies	4
PES 3560 Psychological Aspects of Sport and Exercise	4
PES 3570 Biomechanics	5
PES 3580 Exercise Physiology	5
PES 4899 Contemporary Issues in Health and Fitness	5
Total	45

Requirements for the Physical Education Major

75 credits; 35 upper-division	
Core courses	
PES 2614 Teaching Team Sports	2
PES 2615 Teaching Leisure Activities	2
PES 2617 Teaching Individual Sports	2
PES 2555 Community Health	5
PES 3510 Teaching Health and Physical Education	5
PES 3545 Programs for Special Populations	3
PES 3575 Motor Learning and Development	4
PES 4575 Coaching and Training Seminar	4
Total	75

Note: For teacher certification, refer to the School of Education section of this Catalog for admission requirements and details.

Requirements for the Exercise Science Major

75 credits; 41 upper-division	
Core courses	
CHM 1211 General Chemistry	5
CHM 1330 Organic and Biological Chemistry	5
FCS 3340 Human Nutrition	5
FCS 4310 Nutrition in Sports and Exercise	3

PES 4585 Applied Exercise Science	5
PES 4930 Exercise Science Practicum	1
PES 4940 Internship	5
Total	75

Fitness Competency Requirement

Prospective majors in both exercise science and physical education are required to achieve a satisfactory score in each of the six areas of the Fitnessgram or complete a department-approved fitness program prior to being officially admitted.

Requirements for the Minor in Physical Education

37 credits; 15 upper-division	
PES 1301 Wellness	5
PES 2195 Philosophy of Health and Physical Activity "W"	5
PES 2550 Safety, First Aid, and Sport Injury Management	4
PES 2555 Health Issues and Curriculum	5
PES 2614 Teaching Team Sports	2
PES 2615 Teaching Leisure Activities	2
PES 2616 Teaching Individual Sports	2
PES 3510 Teaching Health and Physical Education	5
PES 3545 Programs for Special Populations	3
PES 3560 Psychological Aspects of Sports and Exercise "W"	4
Total	37

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.

Required Domain Coursework

Foundation of Health and Fitness

Select one:

PES 1301 Personal Health and Wellness (5)
PES 4960 Project (1–6)
PES 6960 Project (1–6)

Safe Living, Including First Aid and CPR

Select one:

PES 2550 Responding to Emergencies (4)
PES 4900 Independent Study (1–5), plus American Red Cross Certification
PES 6900 Independent Study (1–5), plus American Red Cross Certification

Scientific Foundations for Health and Fitness

Select two:

PES 3570 Biomechanics (5)
PES 3580 Exercise Physiology (5)
PES 4575 Coaching and Training Seminar (4)
PES 6802 Enhancement of Human Performance (3)

Movement, Activities, and Application With Attention to Special Needs Population

PES 3545 Programs for Special Populations	3
PES 6950 Special Topics Seminar	1–5

Coordinated Health Education

Select two:

PES 2555 Health Issues and Programs	5
PES 6803 Health Promotion	3

Required Pedagogy Coursework

PES 3510 Teaching Physical Education	5
PES 6900 Independent Study	1–6

Required Field Experience/Internship

As arranged with School of Education

Leisure Activities Program

Leisure provides a unique opportunity to become a more fulfilled and complete person. 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.

Physical Education Courses

PES 1001 Football Clinic (1) Introduces students to basic rules and competitive strategies of football.

PES 1002 Soccer Clinic (1) Introduces students to basic rules and competitive strategies of soccer.

PES 1003 Basketball Clinic (1) Introduces students to basic rules and competitive strategies of basketball.

PES 1004 Softball Clinic (1) Introduces students to basic rules and competitive strategies of softball.

PES 1005 Volleyball Clinic (1) Introduces students to basic rules and competitive strategies of volleyball.

PES 1006 Floor Hockey Clinic (1) Introduces students to basic rules and competitive strategies of floor hockey.

PES 1100 Outdoor Survival (2) Basic information for the outdoor leisure courses. Teaches students how to recognize wilderness dangers, as well as wilderness survival. Course will cover knowledge and skill acquisition concerning safety and injury prevention. Topics covered will include temperature control; equipment selection and maintenance; map reading; compass navigation; and emergency protocol.

PES 1109 Weight Training (2) Covers the scientific principles of weight training, exercise selection, safety, fundamental techniques in lifting machine and free weights, program design variables, workout monitoring, and personal orientations required for independent weight training. Students will need an active SPU email account for this course, as initial instructions will be sent to students through that account and scheduled workout reporting must be submitted to faculty through that account.

PES 1110 Backpacking (2) Prerequisite: PES 1100 or permission of instructor. Introduces students to backpacking as a leisure activity and provides students with knowledge and skills to safely and enjoyably participate in the sport. Extra fee.

PES 1111 Weight Training II (2) Prerequisite: PES 1109. A continuation of the scientific principles of weight training, exercise selection, safety, fundamental techniques in lifting machine and free weights, program design variables, workout monitoring, and personal orientations required for independent weight training. Students will need an active SPU email account for this course.

PES 1113 Weight Training III (2) Prerequisites: PES 1109, 1111. A continuation of the scientific principles of weight training, exercise selection, safety, fundamental techniques in lifting machine and free weights, program design variables, workout monitoring, and personal orientations required for independent weight training. Students will need an active SPU email account for this course.

PES 1115 Martial Arts (2) Introduces students to basic techniques of different styles of martial arts. Students will learn basic principles behind various strikes, kicks, and blocks. Encompasses differences in body movement, physical body expectations, and various philosophies in self defense. The class will show strengths and weaknesses of each system and it will enhance body movement, agility, strength, flexibility, and hand-and-eye coordination.

PES 1120 Hiking (2) Registration approval: Instructor. Students will experience Northwest trails and beauty spots, one-day wilderness treks along beaches, or forest or mountain trails. Extra fee.

PES 1125 Snowshoeing and Cross-Country Skiing (2) Registration approval: Instructor. Introduces students to snowshoeing and cross-country skiing as leisure activities, and provides students with knowledge and skills to safely enjoy these sports. May be repeated for credit one time.

PES 1135 Rowing (2) Introduces students to basic rowing techniques, skills, equipment, and conditioning for continued involvement in recreational, fitness, or competitive rowing.

PES 1145 Canoeing and Kayaking (2) Introduces students to canoeing and kayaking as leisure activities. Emphasis is given to practicing skills on flat water. Extra fee. May be repeated for credit one time.

PES 1150 Sailing (2) Introduces students to small-boat day-sailing as a leisure activity and provides students with the knowledge and skills to safely and enjoyably participate in the sport on protected water. Extra fee.

PES 1160 Conditioning (2) Covers the scientific principles of cardiovascular conditioning, exercise selection, safety, program design variables, workout monitoring, and personal orientations required for independent fitness training. Students need an active SPU email account for this course, as initial instructions will be sent to students through that account and scheduled workout reporting must be submitted to faculty through that account.

PES 1161 Walking/Jogging (2) Introduces students to aerobic and fitness information while providing opportunity to engage in a pleasurable lifelong leisure activity. Local parks and interesting walking routes will be explored. May be repeated for credit one time.

PES 1162 Conditioning II (2) Prerequisite: PES 1160. This course provides students with further opportunities to engage in selected activities individually designed to increase their level of fitness knowledge and skills for the enjoyment of conditioning as a lifelong leisure activity.

PES 1164 Conditioning III (2) Prerequisites: PES 1160, PES 1162. This course provides students with further opportunities to engage in selected activities individually designed to increase their level of fitness knowledge and skills for the enjoyment of conditioning as a lifelong leisure activity.

PES 1165 Introduction to Dance (2) Introduces students to basic techniques and rhythms of one of several dance styles including aerobics, jazz, hip-hop, folk, ballet, improvisational, and creative dance. May be repeated for credit one time.

PES 1175 Fencing (2) Introduces students to basic instruction in the sport of fencing. Technical emphasis on basic footwork, defensive and parry systems, methods of attack and counterattack, judging, and directing standard foil competition. May be repeated for credit one time.

PES 1180 Golf (2) Introduces students to the fundamental skills, techniques, and rules of golf for enjoyment as a recreational sport. Extra fee. May be repeated for credit one time.

PES 1185 Badminton and Pickleball (2) Introduces students to the basic rules, skills, and game strategies of badminton and pickleball for enjoyment as recreational sports. May be repeated for credit one time.

PES 1190 Tennis (2) Introduces students to the fundamental skills, game strategies, rules, and personal orientations required for playing tennis at a beginning level. May be repeated for credit one time.

PES 1195 Scuba (2) Registration approval: Instructor. Introduces students to skin and scuba diving as leisure activities. Involves the classroom, pool, and open-water training required for skin or scuba diving certification. Extra fee.

PES 1196 Advanced Scuba (1) Registration approval: Instructor. Prerequisite: PES 1195. Provides the six open-water training dives required for advanced scuba-diving certification and additional dives or study as arranged. May be repeated for credit one time.

PES 1199 Leadership Camp (2) Provides personal growth and self-discovery through a five-day wilderness experience before the beginning of Autumn Quarter. Extra fee.

PES 1200 Softball (2) Introduces students to softball as a leisure activity and provides students with knowledge and skills to safely and enjoyably participate in the sport.

PES 1301 Personal Health and Wellness (5) Examines lifestyle decision-making, presents basic knowledge on concepts of health and wellness: mental health, nutrition, physical activity, leisure and work, addictive behavior, and prevention of chronic illness. Relates course content to spiritual, social, emotional, intellectual, and physical well-being and to the development of an integrated lifestyle.

PES 1455 Men's Basketball (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1456 Women's Basketball (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1460 Women's Gymnastics (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1465 Cross Country (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1470 Men's Soccer (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1471 Women's Soccer (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1475 Track and Field (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1476 Indoor Track (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1480 Men's Crew (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1481 Women's Crew (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 1495 Women's Volleyball (1) Registration approval: Instructor. Open only to eligible varsity intercollegiate athletes. May be repeated for credit three times.

PES 2195 Philosophy of Health and Physical Activity (5) Presents information about 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. Attribute: Writing Course.

PES 2550 Safety, First Aid, and Sport Injury Management (4) 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. Treatment and management of injuries as they relate to sport and physical activity will also be included. Accident simulations are staged to gain practice in emergency care. Extra fee. Class not open to freshmen.

PES 2555 Community Health (5) Prerequisite: PES 1301. Identifies major health issues and provides familiarization with current programs dealing with these problems 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. Home, school, church, and community-center resources are included and developed as potential health delivery systems and health promotion areas. Class not open to freshmen.

PES 2606 Dance (1) Covers the fundamental skills, basic rules, terminology, and teaching strategies necessary to plan and deliver effective instruction in aerobics, jazz, folk, ballet, improvisational, and creative dance.

PES 2613 Conditioning Techniques (1) Covers the scientific principles, terminology, fundamental paradigms, and teaching strategies necessary to plan and deliver instruction for musculoskeletal, aerobic, and anaerobic training.

PES 2614 Teaching Team Sports (2) Covers the fundamental skills, basic rules, terminology, and teaching techniques necessary to plan and deliver effective instruction in selected team sports such as baseball/softball, basketball, rugby, football (American and Australian rules), soccer, team handball, and volleyball.

PES 2615 Teaching Leisure Activities (2) Covers the fundamental skills, basic rules, terminology, and teaching techniques necessary to plan and deliver effective instruction in selected leisure activities such as archery, bowling, badminton, camping and other outdoor pursuits, dance, roller skating, inline skating, pickleball, racquetball, and table tennis.

PES 2616 Teaching Individual Sports (2) Covers the fundamental skills, basic rules, terminology, and teaching techniques necessary to plan and deliver effective instruction in selected individual sports such as fencing, golf, gymnastics, tennis, track and field, and wrestling.

PES 2617 Teaching Health and Fitness (2) 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, swimming, walking, and the use of standard fitness equipment including cycling and rowing ergometers, a stair climber, an elliptical trainer, and free and machine weights. Work will also center around the State Health and Physical Education test for content knowledge.

PES 2624 Advanced Volleyball (2) Fundamental development of all current volleyball skills: passing, hitting, and blocking. Elementary systems of defense and offense will be introduced. Introductory games and competition will also be a part of the class structure. May be repeated for credit one time.

PES 3510 Teaching Physical Education (5) 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. Attribute: Upper-Division. Class not open to freshmen.

PES 3515 Secondary Physical Education (5) Focuses on appropriate curriculum and teaching methods for secondary physical education. Emphasizes how to develop a successful program including strategies for classroom management, lesson and unit design, fitness promotion, and safety. Attribute: Upper-Division. Class not open to freshmen.

PES 3545 Programs for Special Populations (3) 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. Attribute: Upper-Division. Class open to exercise science and physical education majors. Class not open to freshmen and sophomores.

PES 3560 Psychological Aspects of Sport and Exercise (4) Explores the psychological attributes necessary for sustained and successful performance in sport and exercise such as drive, commitment, confidence, focus, perseverance, intuition, and trust. The course also examines 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; and Writing Course. Class not open to freshmen and sophomores.

PES 3570 Biomechanics (5) Prerequisite: BIO 2129 concurrent registration, 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, and a variety of individual sports skills. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 3575 Motor Learning and Development (4) 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. Attribute: Upper-Division. Class not open to freshmen.

PES 3580 Exercise Physiology (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 3590 Sport Injury Management (4) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 3600 Physical Education Teaching Lab (1) Prerequisite: PES 3510 or 3515. Course provides a controlled and supervised micro-teaching experience. Emphasis is on lesson design, classroom management, and various methods of teaching. May be repeated for credit three times. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 4575 Coaching and Training Seminar (4) Prerequisites: PES 3570 and 3580. Reviews and integrates the scientific principles of musculoskeletal and cardiovascular training and presents an overview of nutritional planning for sport performance. The course offers a laboratory experience for designing fundamental training paradigms and effective coaching strategies that enhance athleticism, sport-specific conditioning, and positional expertise and skill in sports. Attribute: Upper-Division. Class open to seniors.

PES 4585 Applied Exercise Science (5) 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 as well as research analysis, design, and reporting. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PES 4590 Advanced Athletic Training Techniques (3) Prerequisites: BIO 2129, 2130, and PES 3590. Describes legal liability issues in the care and prevention of sports injuries, provides students with understanding and skill in the theoretical basis and common protocols for therapeutic modalities used in sports medicine, studies principles and programs for therapeutic exercise, and introduces injury assessment techniques including manual muscle testing. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

PES 4595 Administration of Programs in Sport and Exercise (5) Offers information and experiences related to organizing and administering sport and exercise programs in both public and private sectors. The course is divided into three sections. Section one presents a business model including leadership, business plans, strategic planning, communication, team building, decision making, conflict management, change, policies and procedures, technology, and time and stress management. Section two explores practical applications related to sport and exercise including managing

programs, facilities, personnel, finances, and marketing. Section three addresses the legal issues that govern sport and exercise including constitutional, contract, and tort law. This course also serves as a resource for required senior colloquium. Attributes: Upper-Division; and Writing Course. Class not open to freshmen, sophomores, and juniors.

PES 4899 Contemporary Issues in Health and Fitness (1–2) 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; and Writing Course. Class open to seniors.

PES 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Allows a non-research 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. Attribute: Upper-Division. Class open to exercise science, physical education, and student-designed majors. Class not open to freshmen and sophomores.

PES 4930 Exercise Science Practicum (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division.

PES 4931 Athletic Training Practicum (1–5) Registration approval: Instructor. Provides practical experience in the prevention, treatment, and rehabilitation of athletic injuries. Students work with intercollegiate athletes in the SPU training room and at practice and event sites. May be repeated for credit up to 12 credits. Attribute: Upper-Division.

PES 4940 Internship (1–15) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class open to exercise science, physical education, and student-designed majors. Class not open to freshmen and sophomores.

PES 4950 Special Topics (1–5) Registration approval: Department chair. Special courses offered upon demand and/or department's discretion. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class open to physical education majors. Class not open to freshmen and sophomores.

PES 4960 Project (1–6) Registration approval: Instructor. Provides an opportunity to design and develop an original idea resulting in a tangible product, innovative curriculum, improved management system, or other unique addition to the professional world. Project proposal must include a clear statement of outcome and benefits to setting, defined procedures, time table, and assessment proce-

dures. May be repeated for credit up to 6 credits. Attribute: Upper-Division. Class open to exercise science, exercise and sports studies, physical education, and recreation and sports management majors. Class open to juniors and seniors.

Faculty

JoAnn Atwell-Scrivner, Instructor of Physical Education; B.A., Willamette University, 1976; M.A., Whitworth College, 1990. At SPU since 1986.

Dan G. Tripps, Professor of Physical Education; Chair of Physical Education and Exercise Science; B.A., San Francisco State University, 1968; M.A., Stanford University, 1969; Ph.D., University of Oregon, 1976. At SPU since 1986.

Lowell "Bud" Turner, Instructor of Physical Education; B.A., Seattle University, 1969; M.Ed., Seattle, University, 1974. At SPU since 2004.

Robert D. Weathers, Professor of Physical Education; B.S., John Brown University, 1967; M.Ed., University of Arkansas, 1969; Ed.D., Brigham Young University, 1975. At SPU since 1978.

Physics

Otto Miller Hall
(206) 281-2140
www.spu.edu/depts/physics

John Lindberg, Chair, **Eleanor Close**, **Lane Seeley**, **Stamatis Vokos**

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 newly renovated 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.

Physics Major Requirement

89 credits; 43 upper-division.
In addition to the course requirements, the student must complete a senior research project. The B.S. major provides preparation for graduate studies or professional careers in physics.

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 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

Requirements for the Physics Major	
<i>89 credits; 43 upper-division</i>	
<i>Refer to pages 60–62 for a summary of degree requirements.</i>	
PHY 1101, 1102, 1103 General Physics or PHY 1121, 1122, 1123 Physics for Science and Engineering	15
PHY 2321 Intermediate Physics	5
PHY 3311, 3312, 3313 Advanced Physics Lab	6
PHY 3401 Thermodynamics	5
PHY 3841 Dynamics	5
PHY 4310 Electricity and Magnetism	5
PHY 4341 Quantum Mechanics	5
PHY 4899 Natural Science Seminar	2
PHY xxxx upper-division physics course	15
CHM 1211 General Chemistry (5) or MAT 3724 and MAT 3725 Applied Analysis (3 each)	5–6
MAT 1225, 1226 Calculus	10
MAT 1228 Series and Differential Equations	5
MAT 2228 Multivariable Calculus	3
MAT 2401 Linear Algebra	3
Total	89–90

Note: In addition, the student must complete a senior laboratory project.

Requirements for the Physics Minor	
<i>35 credits; 15 upper-division</i>	
PHY 1101, 1102, 1103 General Physics or PHY 1121, 1122, 1123 Physics for Science and Engineering	15
PHY 2321 Intermediate Physics	5
PHY 3311, 3312, 3313 Advanced Physics Lab	6
PHY xxxx upper-division physics course	10
Total	36

Physics Courses

PHY 1101 General Physics (5) Prerequisites: MAT 1110. The first quarter of a general introduction to physics, intended for biology and premed majors. Covers mechanics. Attributes: Physical Sciences; and Natural Science B.

PHY 1102 General Physics (5) 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: Physical Sciences; and Natural Science B.

PHY 1103 General Physics (5) 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: Physical Sciences; and Natural Science B.

PHY 1110 Introduction to the Nature of Science (5) 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: Physical Sciences; and Natural Science B.

PHY 1111 University Scholars Physics (5) 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 Science and Engineering (5) 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: Physical Sciences; and Natural Science B.

PHY 1122 Physics for Science and Engineering (5) 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: Physical Sciences; and Natural Science B.

PHY 1123 Physics for Science and Engineering (5) Prerequisite: PHY 1122. The third quarter of an introduction to physics using calculus. Covers electricity, magnetism, and optics. Lectures and laboratory each week. Attributes: Physical Sciences; and Natural Science B.

PHY 1135 Astronomy: Individual and the Universe (5) 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: Physical Sciences; and Natural Science B.

PHY 1140 The Physics of Sound (5) 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. Attribute: Natural Science B.

PHY 1142 Earth System Science (5) 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. Attributes: Physical Sciences; and Natural Science B.

PHY 1145 Oceanography (5) An integrative introductory course covering physical, geological, chemical, and biological oceanography. Includes consideration of epistemology and current research methods. Attribute: Natural Science B.

PHY 1150 Introduction to Geology (5) 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. Attributes: Physical Sciences; and Natural Science B.

PHY 1910 Special Topics in Physics Seminar (1) Registration approval: Instructor. 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 two times.

PHY 2321 Intermediate Physics (5) 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 3120 Physical Science and Society (5) Introduces contemporary topics in natural sciences that have technological and social implications; examines the present social structure and environment of the natural sciences. Offered on demand. Attributes: Upper-Division; and Writing Course.

PHY 3311 Advanced Physics Lab (2) Prerequisite: PHY 2321, or 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; and Writing Course.

PHY 3312 Advanced Physics Lab (2) Prerequisites: PHY 2321 and 3311. Provides an integrated advanced laboratory course including experiments in optics, solid-state physics, atomic physics, and nuclear physics. Attributes: Upper-Division; and Writing Course.

PHY 3313 Advanced Physics Lab (2) Prerequisites: PHY 2321 and PHY 3312. Provides an integrated advanced laboratory course including experiments in optics, solid state physics, atomic physics, and nuclear physics. Attributes: Upper-Division; and Writing Course.

PHY 3401 Thermodynamics (5) 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. Course equivalent: EGR 3401. Attribute: Upper-Division.

PHY 3841 Dynamics (5) 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. Course equivalent: EGR 3841. Attribute: Upper-Division.

PHY 4242 Atmospheric Science (2–5) Registration approval: Instructor. 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. Attribute: Upper-Division.

PHY 4243 Geophysics (2–5) Registration approval: Instructor. Prerequisites: PHY 1103 or 1123, MAT 1228, 2228. Studies rotation and figure of the earth, gravity field, seismology, geomagnetism, heat flow, age, and internal structure of the earth. Offered on demand. May not be repeated. Attribute: Upper-Division.

PHY 4310 Electricity and Magnetism (5) Prerequisites: PHY 1103 or 1123, MAT 1228 and 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. Course equivalent: EE 4310. Attribute: Upper-Division.

PHY 4311 Optics and Lasers (5) 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. Course equivalent: EE 4311. Attribute: Upper-Division.

PHY 4341 Quantum Mechanics (5) Prerequisites: PHY 1103 or 2321, MAT 2228. Surveys basic wave mechanics, quantum mechanical operators, dynamics of the wave functions, traveling waves, and bound states. Offered alternate years. Attribute: Upper-Division.

PHY 4342 Atomic Physics (5) Prerequisite: PHY 4341. Studies the hydrogen atom, perturbation theory, one-electron atoms, and fine and hyperfine structure. Explores Zeeman and Stark effects. Introduction to multi-electron atoms. Offered alternate years. Attribute: Upper-Division.

PHY 4391 Nuclear and Particle Physics (5) 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. Attribute: Upper-Division.

PHY 4441 Statistical Physics (3–5) Prerequisites: PHY 3401. Studies classical and quantum statistical mechanics, Bose and Fermi statistics, and applications to physical systems. Offered alternate years. Attribute: Upper-Division.

PHY 4491 Solid State Physics (2–5) Prerequisite: PHY 2321. Focuses on lattice statics and dynamics, electrons and Fermi surfaces, transport phenomena, semiconductors, and superconductivity. Offered alternate years. Course equivalent: EE 4491. Attribute: Upper-Division.

PHY 4501 Physics as a Process of Inquiry I (5) Registration approval: Instructor. 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. Attribute: Upper-Division.

PHY 4502 Physics as a Process of Inquiry II (5) 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. Attribute: Upper-Division.

PHY 4511 Preparation for Teaching Undergraduate Mechanics (1–3) Registration approval: Instructor. 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. Attribute: Upper-Division.

PHY 4512 Preparation for Teaching Undergraduate Electromagnetism (1–3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen.

PHY 4513 Preparation for Teaching Undergraduate Waves and Optics (1–3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen.

PHY 4899 Natural Sciences Seminar (1) 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. Course equivalents: BIO 4899 and CHM 4899. Attribute: Upper-Division. Class open to physics majors. Class open to seniors.

PHY 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

PHY 4905 Independent Study in Physics (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division.

PHY 4930 Physics Practicum (1–5) Registration approval: Instructor. May be repeated for credit up to 5 credits.

PHY 4940 Internship in Physics (1–5) Registration approval: Intern Learning Contract req. Provides a significant learning experience to be obtained in a closely supervised work-study program. May be repeated for credit up to 5 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PHY 4970 Senior Project Laboratory (1–5) 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. Attribute: Upper-Division. Class not open to freshmen, sophomores, and juniors.

Faculty

Eleanor Close, Adjunct Professor of Physics, B.A., Bryn Mawr College, 1996; H.S., Science Teaching Certificate, 1999; M.S., University of Washington, 2003. At SPU since 2003.

John M. Lindberg, Assistant Professor of Physics; B.S., B.A., North Park College, 1983; M.S., University of Washington, 1986; Ph.D., Heriot Watt University, 1999. At SPU since 1999.

Lane Seeley, Assistant Professor of Physics; B.S., University of Puget Sound, 1994; M.S., Montana State University, 1995; M.S., University of Washington, 1997; Ph.D., University of Washington, 2000. At SPU since 2001.

Stamatis Vokos, Associate Professor of Physics; B.S., University of Kent, 1984; M.A., University of California, Berkeley, 1985; Ph.D., University of California, Berkeley, 1990. At SPU since 2002.

"I am fascinated by the interplay between physical phenomena and their representations in our mind's eye. Helping students learn to develop scientific models that explain and predict the behavior of physical systems is like helping them learn to read the Creator's mind."

Stamatis Vokos
Physics



Political Science and Geography

Alexander Hall
(206) 281-2158
www.spu.edu/depts/polisci

John West, Chair, **Kathleen Braden**, **Reed Davis**, **Douglas Durasoff**, **Ruth Ediger**

Seattle Pacific's political science program seeks to graduate leaders who want to influence politics and public policy during the 21st century. 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, send email to Professor Reed Davis at rdavis@spu.edu.)

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 also 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.

Refer to pages 60–62 for a summary of degree requirements.

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 encouraged to fulfill their Exploratory Curriculum mathematics requirement 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 chairperson. 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.

General Track

51–55 credits	
POL 1110 Introduction to Politics	5
POL 2320 Comparative Political Systems	5
Select one course from the following two:	
POL 1120 American Government and Politics (5)	
POL 2464 State and Local Politics (5)	5
Select one course from the following:	
POL 2641 Christianity and American Politics (5)	
POL 2642 Christianity and World Politics (5)	
POL 3410 Moral Foundations of Democracy (5)	
POL 2900 Foundations for Leadership (5)	5
Select one course from the following:	
POL 3440 International Peace and World Order (5)	
POL 3550 Social Darwinism and Politics (5)	
POL 3125 Issue Seminar (3-5)	
POL 4911 Advanced Seminar (3-5)	
POL 4940 Political Internships (5)	3–5
Select one course from the following three:	
POL 4000 Public Policy and Administration (5)	
POL 4450 American Constitutional Law: Federalism and Separation of Powers (5)	
POL 4451 American Constitutional Law: Civil Liberties and Civil Rights (5)	5
POL 4641 Theories of the Political System: Ancient (5)	
or POL 4642 Theories of the Political System: Modern (5)	5
POL 4643 Methods of Political Analysis (5)	5
POL 4899 Political Science Capstone Seminar	3
POL Electives	10–12
Total	51–55

Public Policy and Law Track

54–58 credits	
POL 1110 Introduction to Politics	5
POL 2464 State and Local Politics	5
POL 2320 Comparative Political Systems	5
POL 3780 Law and Society	5
Select at least three of the following:	
GEO 3500 Geography of Natural Resources (5)	
GEO 3677 The Nature of Cities (5)	
POL 3410 Moral Foundations of Democracy (5)	
POL 2641 Christianity and American Politics (5)	
POL 3320 Political and Economic Development of Nations (5)	
POL 3430 Presidency and Congress (5)	
POL 3450 Politics, Parties and Interest Groups (3)	
POL 3550 Social Darwinism and Politics (3–5)	
POL 4450 American Constitutional Law: Federalism and Separation of Powers (5)	
POL 4451: American Constitutional Law: Civil Liberties and Civil Rights (5)	11–15
POL 4000 Public Policy	5
POL 4641 Theories of the Political System: Ancient (5)	
or POL 4642 Theories of the Political System: Modern	5
POL 4643 Methods of Political Analysis	5
POL 4899 Political Science Capstone Seminar	3
Electives (consult with advisor)*	5
Total	54–58

*POL 4940 Internship strongly recommended.

International Affairs Track

56–58 credits	
POL 1110 Introduction to Politics	5
GEO 1110 World Regional Geography	5
POL 2320 Comparative Political Systems	5
Select at least two of the following:	
POL/HIS 3670 American Foreign Relations	5
POL 2330 International Relations (5)	
POL 2642 Christianity and World Politics (5)	
POL 3170 Geopolitics (5)	
POL 3440 International Peace and World Order (5)	10
Select at least two of the following:	
POL 3320 Political and Economic Development of Nations (5)	
POL 4310 International Political Economy (5)	
GEO 3500 Geography of Natural Resources (5)	
POL 4911 Advanced Seminar (3–5)	8–10
POL 4641 Theories of the Political System: Ancient (5)	
or POL 4642 Theories of the Political System: Modern (5)	5
POL 4643 Methods of Political Analysis	5
POL 4899 Political Science Capstone Seminar	3
Electives (consult with advisor)	10
Total*	56–58

*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

30 credits; 15 upper-division	
POL 1110 Introduction to Politics	5
Select one course from the following:	
POL 2320 Comparative Political Systems (5)	
POL 2330 International Relations (5)	
POL 3320 Political and Economic Development of Nations (5)	
or POL 4310 International Political Economy (5)	5
Select one course from the following:	
POL 1120 American Government and Politics (5)	
POL 2464 State and Local Politics (5)	5
Select one course from the following:	
POL 2641 Christianity and American Politics (5)	
POL 2642 Christianity and World Politics (5)	
POL 3410 Moral Foundations of Democracy (5)	

POL 4641 Theories of the Political System: Ancient (5)	
POL 4642 Theories of the Political System: Modern (5)	
POL 4643 Methods of Political Analysis (5)	5
Electives (upper-division)	10
Total	30

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, email Kathleen Braden at kbraden@spu.edu or Ruth Ediger at ediger@spu.edu.)

Requirements for the Geopolitics Minor

30 credits; 15 upper-division	
GEO 1110 World Regional Geography	5
GEO/POL 3170 Geopolitics	5
Select at least one from:	
GEO 2207 Economic Geography (5)	
POL 2320 Comparative Political Systems (5)	
POL 2330 International Relations (5)	
POL 2642 Christianity and World Politics (5)	5
Select at least two from:	
GEO 3500 Geography of Natural Resources (5)	
GEO 4600 Public Policies and Ecotourism (5)	
GEO 4920 Directed Readings in Geography (5)	
POL 3320 Political and Economic Development of Nations (5)	
POL 3440 International Peace and World Order (5)	
POL 4310 International Political Economy (5)	
GEO or POL 4911 Adv. Seminar (3-5) *	
GEO or POL 4940 Internship (5)	10
One more course from either of the above lists.	5
Total	30

*GEO/POL 4911 can be repeated for up to 10 credits as long as it covers different topics.

The Leadership Studies 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. Send email to Kathleen Braden at kbraden@spu.edu for application information.

Requirements for the Leadership Studies Minor

30 credits; 15 upper-division	
Core Requirements	
POL 2900 Foundations for Leadership (offered every other year)	5
POL 4930 Political Science Practicum	5–10

Competency Areas

The three categories below are based on competencies for student leadership programs developed by the Council for Advancement of Standards in Higher Education. All prerequisites must be satisfied and students are responsible for seeking a place in each class (many of these courses may require careful advance planning on enrollment because they are often full or designated first for majors). No more than 10 credits may double-count to fulfill both the student's major and the minor in leadership studies. If a course is listed in two categories, a student can count it toward only one.

Understanding Organizations or Human Social Behavior

At least 5 credits	
BUS 3614 Organizational Behavior for Managers	5
BUS 3439 Motivation, and Leadership	5

COM 4265 Organizational Communication	5
HIS 3670 History of Foreign Relations	5
POL 3430 The Presidency and Congress:	
Politics of National Leadership	5
POL 3780 Law and Society	5
POL 3450 Politics, Parties, and Interest Groups	3
PSY 3439 Motivation and Leadership	5
PSY 3600 Small-Group Leadership	2
PSY 3438 Social Psychology (cross-listed as SOC 4440)	5
PSY 4410 Cross-Cultural Psychology	3
SOC 2440 Small-Group Dynamics	5
SOC 3215 Social Inequality	5
SOC 3862 Racial and Ethnic Minorities	5
WST 2350 Introduction to Women's Studies	5

Foundations for Leadership: Moral, Ethical, and Justice

At least 5 credits

BUS 3400 Business Ethics	5
COM 4177 Communication Ethics	5
HIS 3395 European Intellectual History	5
HIS 3405 Western Spirituality	5
HIS 3406 Christianity in America (cross-listed as THEO 3303)	5
POL 4641 Theories of the Political System: Ancient (must be taken as well as POL 4643 to count toward minor)	5
POL 4642 Theories of the Political System: Modern (must be taken as well as POL 4643 to count toward minor)	5
POL 2641 Christianity and American Politics	5
POL 2642 Christianity and World Politics	5
GEO/POL 3170 Geopolitics	5
GEO 2207 Economic Geography	5
PHI 3601 Ancient Philosophy	5
PHI 3702 Social Ethics	3
POL 3410 Moral Foundations of Democracy	5
SOC 3215 Social Inequality	5
SOC 4260 Complex Organizations	5

Personal Development and Skills

At least 5 credits

BUS 3620 Management Information Systems	5
BUS 2600 Managerial Communication	2
BUS 3657 Human Resource Management	2
COM 2323 Argumentation: Art of Inference	5
COM 2227 Small Group Discussion	5
COM 3160 Conflict Management	3
COM 3322 Persuasion: Social Influence and Responsibility	5
POL 4000 Public Policy and Administration	5
POL 4643 Methods of Political Analysis (must be taken as well as POL 4641 or POL 4642 to count toward minor)	5
PSY 3442 Psychology of Personality	5
PSY 2470 Life-Span Development	5
PSY 2422 Psychology of Personal Growth	3
SOC 4308 The Helping Relationship	5

Note: Since some courses are not offered every year, students should check a current Online Time Schedule for course offerings.

Geography Courses

GEO 1110 World Regional Geography (5) 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 Integration; and Social Science B.

GEO 2207 Economic Geography (5) 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: Contexts for society: history/geography; and Social Science B.

GEO 3170 Geopolitics (5) 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. Course equivalent: POL 3170. Attributes: Contexts for society: history/geography; Social Science B; and Upper-Division. Class not open to freshmen.

GEO 3500 Geography of Natural Resources (5) 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. Attribute: Upper-Division. Class not open to freshmen.

GEO 3677 The Nature of Cities (5) 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; and Upper-Division.

GEO 4600 Public Policies and Ecotourism (3) Examines growing tourism and recreation sector in local, U.S., and world economies through a geographic lens. Students will learn about international discussion of ecotourism certification standards and methods to measure impact of tourism on local communities. Particular attention will be given to burgeoning Christian programs for outdoor recreation. Attributes: Upper-Division; and Writing Course.

GEO 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

GEO 4911 Advanced Seminar (1–5) Seminars studying theoretical or practical issues in geography and geopolitics. See current *Online Time Schedule* for topic. May be repeated for credit up to 15 credits. Course equivalent: POL 4911. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

GEO 4920 Directed Readings (1–5) Registration approval: Independent Study Agreement. Attribute: Upper-Division.

GEO 4940 Internship (1–5) Registration approval: Intern Learning Contract req. Attribute: Upper-Division.

GEO 4970 Research in Geography (1–5) Registration approval: Instructor. Prerequisite: 10 credit hours in geography. Attribute: Upper-Division.

Political Science Courses

POL 1110 Introduction to Politics (5) 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 Introductions; and Social Science B.

POL 1120 American Government and Politics (5) 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. Attribute: Social Science B.

POL 2320 Comparative Political Systems (5) 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. Class open to political science majors.

POL 2330 International Relations (5) 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 Integration; and Social Science B.

POL 2464 State and Local Politics (5) 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 and American Politics (5) 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 Integration; and Social Science B.

POL 2642 Christianity and World Politics (5) 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) 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) Current and enduring national and world issues are analyzed in the context of political science methods, concepts and Christian ethical standards. Topic varies. (e.g., Morality and Politics.) Course may be taken again as long as the topic is different. May be repeated for credit four times. Attribute: Upper-Division.

POL 3170 Geopolitics (5) 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. Course equivalent: GEO 3170. Attributes: Social Science Integration; Social Science B; and Upper-Division. Class not open to freshmen.

POL 3320 Political and Economic Development of Nations (5) 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. Attribute: Upper-Division. Class not open to freshmen.

POL 3345 Modern Russia (5) 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. Course equivalent: HIS 3345. Attributes: Contexts for society: history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

POL 3350 Modern French Political Thought (5) Registration approval: Travel Studies form. 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. Attribute: Upper-Division.

POL 3410 Moral Foundations of Democracy (5) 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; and Writing Course. Class not open to freshmen.

POL 3430 The Presidency and Congress: Politics of National Leadership (5) 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. Attribute: Upper-Division. Class not open to freshmen.

POL 3435 Marxism: 20th Century Theory and Practice (3) 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. Course equivalents: ECN 3635 and HIS 3435. Attribute: Upper-Division. Class not open to freshmen.

POL 3440 International Peace and World Order (5) 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. Course equivalent: HIS 3440. Attributes: Contexts for society: history/geography; Social Science B; and Upper-Division. Class not open to freshmen.

POL 3450 Politics, Parties, and Interest Groups (3) 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. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

POL 3550 Social Darwinism and Politics (5) 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; and Writing Course.

POL 3670 History of American Foreign Relations (5) 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. Course equivalent: HIS 3670. Attributes: Contexts for society: history/geography; Social Science B; Upper-Division; and Writing Course. Class not open to freshmen.

POL 3780 Law and Society (5) 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. Attribute: Upper-Division. Class not open to freshmen.

POL 4000 Public Policy and Administration (5) 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. Attribute: Upper-Division. Class not open to freshmen.

POL 4310 International Political Economy (5) 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. Course equivalent: ECN 4310. Attribute: Upper-Division. Class not open to freshmen.

POL 4450 American Constitutional Law: Federalism and Separation of Powers (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

POL 4451 American Constitutional Law: Civil Liberties and Civil Rights (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

POL 4641 Theories of the Political System: Ancient (5) 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; and Writing Course. Class not open to freshmen.

POL 4642 Theories of the Political System: Modern (5) 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; and Writing Course. Class not open to freshmen.

POL 4643 Methods of Political Analysis (5) 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. Attribute: Upper-Division. Class open to political science majors. Class not open to freshmen.

POL 4899 Political Science Capstone Seminar (3) Reviews and enhances student's work in the major and in general education, with reference to their integration and to career development. Attribute: Upper-Division. Class open to political science majors. Class open to seniors.

POL 4900 Independent Study (1-5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

POL 4911 Advanced Seminar: (1-5) Prerequisite: Upper-class standing. Seminars studying theoretical and/or practical issues in politics, government, and political science. See current *Online Time Schedule* for topics. May be repeated for credit up to 25 credits. Course equivalent: GEO 4911. Attributes: Upper-Division; and Writing Course. Class not open to freshmen.

POL 4920 Directed Readings (1-5) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen.

POL 4930 Leadership Minor Practicum (1-5) Registration approval: Instructor. 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. Class not open to freshmen.

POL 4931 Political Science Practicum (1-5) Registration approval: Instructor. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

POL 4940 Political Internships (1-15) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class not open to freshmen.

POL 4950 Special Topics (1-5) Registration approval: Instructor. May be repeated for credit up to 10 credits. Attribute: Upper-Division. Class not open to freshmen.

Faculty

Kathleen Braden, Professor of Geography; B.A., Boston University, 1972; M.A., University of Washington, 1974; Ph.D., University of Washington, 1981. Fulbright Scholar, USSR, Finland, and Japan, 1977-1978. At SPU since 1982.

Reed Davis, Associate Professor of Political Science; B.A., M.A., University of Pennsylvania, 1978; Ph.D., University of Virginia, 1991. At SPU since 1989.

Douglas Durasoff, Professor of Political Science; B.A., Michigan State University, 1966; M.Phil., Yale University, 1969; Ph.D., 1978; Fulbright Scholar, Sweden, and Germany, 1983. At SPU since 1986.

Ruth Ediger, Associate Professor of Geography and Political Science; B.A., Pacific Lutheran University, 1988; M.A., University of Nebraska, 1991; Ph.D., 1996. At SPU since 2002.

John G. West Jr., Chair of Political Science and Geography; Associate Professor of Political Science; B.A., University of Washington, 1986; Ph.D., The Claremont Graduate School, 1992. At SPU since 1994.

Pre-Law

www.spu.edu/depts/polisci/prelaw.htm

John West and Reed Davis, Advisors

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 John West at (206) 281-2162, or email him at jwest@spu.edu; or contact Professor Reed Davis at (206) 281-2395, or email him at 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.

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 at www.ada.org/prof/ed/testing/dat.
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) for domestic M.D. granting institutions, AACOMAS (<https://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 pre-dentistry 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 of statistics to one full year of calculus — discuss with coordinator.)	5–15
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	
<i>Contact each physical therapy school for their admission packet.</i>	
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

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 pre-optometry 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 (www.pharmcas.org).

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 (www.vmcas.org). 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	5
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.

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 and 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

65–80 credits, plus a minimum of 30 credits in a minor
See Curriculum for Special Programs.

Students must complete the following:

- 10 credits in Foundations.
- The foreign-language requirement as outlined in the B.A. Requirements section of the *Catalog*.
- 5 credits in a class designated as "W."
- Fulfill general education requirements.
- At least 30 credits in a minor.
- Minimum of 180 college-level credits.
- Minimum of 60 upper-division credits (3000–4999).

Psychology, Family, and Community, School of

Marston Hall
(206) 281-2987

www.spu.edu/depts/ptc/psych/

Micheál D. Roe, *Dean of the School of Psychology, Family, and Community*

Robert B. McKenna, Chair, **Ursula Krentz**, **M. Kathleen Lustyk**,
Margaret A. Marshall, **Delbert McHenry**, **Les Parrott III**,
Marcia Webb

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

61 credits; 36 upper-division

Prerequisite to declaring major: Successful completion of PSY 1180 General Psychology.

Refer to pages 60–62 for a summary of degree requirements.

Core Courses

PSY 1180 General Psychology	5
PSY 4688 History and Systems in Psychology	5
PSY 4915 Senior Seminar	3

Select one from the following experiential courses:

PSY 4940 Internship	
PSY 4970 Independent Research	Minimum of 3
Psychology Exit Examination	0

Methods in Psychological Research

PSY 2360 Introduction to Statistics in Social and Behavioral Science <i>or</i> equivalent	5
PSY 3448 Tests and Measurements in Psychology	5
PSY 3588 Psychological Research Methods	5

Social Psychology

PSY 3438 Social Psychology	5
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Cognitive Psychology

PSY 3885 Learning and Cognition	5
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Physiological Basis of Behavior

PSY 4488 Physiological Psychology	5
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Distribution

Select 5 credits from each of the following two areas:

Developmental Psychology

PSY 2470 Life-Span Developmental Psychology (5)	
PSY 3460 Child Developmental Psychology (5)	
PSY 4420 Adolescent Developmental Psychology (5)	5

Clinical/Counseling-Related Areas of Psychology

PSY 3442 Psychology of Personality (5)	
PSY 4460 Abnormal Psychology (5)	
PSY 4470 Counseling Theory and Practice (5)	5

Electives

Minimum of 5 additional credits in PSY as open electives*	5
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Total	61
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Requirements for the B.S. in Psychology

87 credits; 50 upper-division

Prerequisite to declaring major: Successful completion of PSY 1180 General Psychology.

Refer to pages 60–62 for a summary of degree requirements.

Core Courses

PSY 1180 General Psychology	5
PSY 4688 History and Systems in Psychology	5
PSY 4915 Senior Seminar	3

Select one from the following experiential courses:

PSY 4940 Internship	
PSY 4970 Independent Research	Minimum of 3
Psychology Exit Examination	0

Methods in Psychological Research

PSY 2360 Introduction to Statistics in Social and Behavioral Science <i>or</i> equivalent	5
PSY 3448 Tests and Measurements in Psychology	5
PSY 3588 Psychological Research Methods	5
PSY 4428 Advanced Statistical Analysis	5

Social Psychology

PSY 3438 Social Psychology	5
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Cognitive Psychology

PSY 3885 Learning and Cognition	5
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Distribution

Select 5 credits from each of the following two areas:

Developmental Psychology

PSY 2470 Life-Span Developmental Psychology (5)	
PSY 3460 Child Developmental Psychology (5)	
PSY 4420 Adolescent Developmental Psychology (5)	5

Clinical/Counseling Related Areas of Psychology

PSY 3442 Psychology of Personality (5)	
PSY 4460 Abnormal Psychology (5)	
PSY 4470 Counseling Theory and Practice (5)	5

Natural Science and Human Behavior

PSY 4488 Physiological Psychology	5
At least 6 credits from the following courses:	
BIO 4418 Neurobiology (5)	
FCS 3320 Maternal and Child Nutrition (3)	
FCS 3340 Human Nutrition (5)	
HSC 3035 Human Sexuality (3)	
PSY 4485 Psychobiology of Women (5)	6

Total	87
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Natural Science

BIO 2129 Human Anatomy and Physiology	5
BIO 2130 Human Anatomy and Physiology	5
CHM 1211 General Chemistry	5
CHM 1330 Organic and Biological Chemistry	5

Total	87
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Requirements for the Psychology Minor

30 credits; 15 upper-division

PSY 1180 General Psychology	5
Open electives in PSY*	25
Total	30

*Both PSY 1250 and PSY 2250 (*Relationship Development I and II*) must be successfully completed if the student desires to apply these courses toward a psychology major or minor.

Psychology Courses

PSY 1180 General Psychology: Individual in Growth (5) 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 Introductions; and Social Science A.

PSY 1250 Relationship Development I (2) 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) 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. Class not open to freshmen and sophomores.

PSY 2360 Introduction to Statistics in Social and Behavioral Sciences (5) 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 non-parametric statistics will also be provided. Course equivalent: SOC 2360. Attributes: Quantitative Reasoning; and Mathematics. Class open to psychology and sociology majors.

PSY 2361 Research Experience in Psychology (1) Registration approval: Instructor. 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 3 credits.

PSY 2422 Psychology of Personal Growth (3) 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. Attribute: Wellness.

PSY 2470 Life Span Developmental Psychology (5) 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) 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. Course equivalent: SOC 4440. Attribute: Upper-Division.

PSY 3439 Motivation and Leadership (5) Prerequisite: PSY 1180. Presents the theories and principles of motivation and leadership with practical applications in business, church, community, and educational settings. Course equivalent: BUS 3439. Attribute: Upper-Division.

PSY 3442 Psychology of Personality (5) 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. Attribute: Upper-Division.

PSY 3448 Tests and Measurements in Psychology (5) 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 non-testing means of evaluation. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 3460 Child Developmental Psychology (5) 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. Attribute: Upper-Division.

PSY 3588 Psychological Research Methods (5) Prerequisites: PSY 1180 and PSY 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. SOC 3751 may be substituted for PSY 3588 in the psychology major, although PSY 3588 is the recommended course. Students may not receive credit for both PSY 3588 and SOC 3751. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

PSY 3600 Small-Group Leadership (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 3885 Learning and Cognition (5) Prerequisite: PSY 1180 and PSY 3588, or SOC 3751. Studies the theories, methodologies, and findings of learning and cognitive psychology. Topics include classical and instrumental conditioning, and the information processing aspects of memory, concept formation, reasoning, problem solving, and development. Attribute: Upper-Division.

PSY 4402 Psychology of Religion (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4410 Cross-Cultural Psychology (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4420 Adolescent Developmental Psychology (5) 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. Attribute: Upper-Division.

PSY 4428 Advanced Statistical Analysis (5) 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. Attribute: Upper-Division.

PSY 4460 Abnormal Psychology (5) 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. Attribute: Upper-Division.

PSY 4470 Counseling Theory and Practice (5) 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. Attribute: Upper-Division.

PSY 4485 Psychobiology of Women (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4488 Physiological Psychology (5) 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. Attribute: Upper-Division.

PSY 4688 History and Systems of Psychology (5) 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; and Writing Course. Class not open to freshmen and sophomores.

PSY 4899 Senior Seminar in Psychology (1–5) Prerequisites: PSY 1180, PSY 2360 or equivalent, PSY 3588 and at least 35 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. Attribute: Upper-Division. Class open to psychology majors. Class open to seniors.

PSY 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4910 Topical Seminar in Psychology (1–5) Registration approval: Instructor. Seminar-style course designed to consider contemporary and controversial issues in psychology. Not offered every year. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4930 Practicum (1–5) Registration approval: Instructor. May be repeated for credit up to 5 credits.

PSY 4940 Internship in Psychology (1–5) Registration approval: Intern Learning Contract req. 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 fieldwork 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

PSY 4970 Independent Research (1–3) Registration approval: Instructor. 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

Faculty

Ursula C. Krentz, Assistant Professor of Psychology; B.A., University of Chicago, 1996; Ph.D., University of Washington, 2003. At SPU since 2004.

M. Kathleen B. Lustyk, Associate Professor of Psychology; B.S., University of Washington, 1988; Ph.D., University of Washington, 1992. At SPU since 1996.

Margaret A. Marshall, Assistant Professor of Psychology; Director, Undergraduate Research Program; B.S., University of Washington, 1998; M.S., University of Washington, 2001; Ph.D., University of Washington, 2002. At SPU since 2002.

Delbert S. McHenry Jr., Associate Professor of Psychology; B.A., Central Washington State College, 1967; M.S., Central Washington University, 1968; Ph.D., Michigan State University, 1973. At SPU since 1973.

Robert B. McKenna, Associate Professor of Psychology; Chair of the Department of Psychology; B.A., Seattle Pacific University, 1990; M.B.A., Seattle Pacific University, 1992; Ph.D., Claremont Graduate School 1998. At SPU since 2000.

Les Parrott III, Professor of Psychology; Director, Center for Relationship Development; B.A., Olivet Nazarene University, 1984; M.A., Fuller Theological Seminary, 1988; Ph.D., Fuller Graduate School of Psychology, 1990. At SPU since 1989.

Mícheál D. Roe, Professor of Psychology; Dean of the School of Psychology, Family, and Community; B.A., Revelle College, University of California, 1973; M.Ed., University of Washington, 1975; Ph.D., University of Washington, 1981. At SPU since 1988.

Marcia Webb, Assistant Professor of Graduate Psychology; Supervisor, Internship Program; B.A., Wheaton College, 1985; M.A., Wheaton Graduate School, 1986; M.Div., Fuller Theological Seminary, 1995; Ph.D., Fuller Graduate School of Psychology, 1995. At SPU since 1996.

Russian

See Languages and Special Programs

Science Education

See Education

Social Service

See Sociology

Sociology

Alexander Hall
(206) 281-2158
www.spu.edu/depts/soc/

Kevin Neuhouser, Chair, **Martin Abbott**, **David Caddell**, **David Diekema**, **William Loewen**, **Jennifer McKinney**, **Timothy Ulrich**

The Department of Sociology offers a major and a minor in sociology. Within the major, students may choose a social service emphasis.

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. Advanced positions in these areas often require graduate training. Students desiring to focus on social service are offered courses that provide an overview of theory and skills necessary to enter helping professions that provide direct services to people in need. Many graduates take entry-level positions in the areas of child welfare, mental health, gerontology, delinquency, and in programs that alleviate poverty. A social service background assists and encourages students to prepare for graduate work, especially in the areas of social work, counseling, teaching, or health care professions.

Admission to the Major or Minor

To qualify for admission to the major, a student must have a 2.5 minimum GPA and 15 credits of completed work in the discipline.

Requirements for the Sociology Major

53 credits; 25 upper-division

Refer to pages 60–62 for a summary of degree requirements.

Required core courses

SOC 1110 Introduction to Sociology	5
SOC 2360 Introduction to Statistics in SBS (5) or MAT 1360 Introduction to Statistics (5)	5
SOC 3751 Introduction to Research Methods (5)	5
SOC 4702 Classical Sociological Theory	5
SOC 4899 Sociology Capstone Seminar	3
Total	23
Electives	30
Total	53

* 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

30 credits

SOC 1110 Introduction to Sociology	5
SOC 2360 or MAT 2360 Introduction to Statistics	5
Electives	20
Total	30

* 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.

Anthropology Courses

ANT 1110 General Anthropology (5) Provides a survey of the sub-disciplines that make up anthropology: physical anthropology, archeology, and cultural anthropology. A cross-cultural study of the physical and cultural changes experienced by humankind in response to a continuous process of adaptation, change, and development. Attribute: Social Science A.

ANT 2250 Cultural Anthropology (5) 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: Social Science Integration; and Social Science A.

"Psychology is the scientific attempt to plumb the depths of mental and behavioral complexities; from this attempt comes a growing comprehension of and appreciation for ourselves as people created in the image of God."

Margaret Marshall
Psychology



ANT 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. Student works independently with a faculty member on a mutually agreed upon topic. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

ANT 4920 Readings in Selected Fields (1–5) Registration approval: Independent Study Agreement. May be repeated for credit up to 14 credits. Attribute: Upper-Division.

ANT 4970 Independent Research (1–5) Registration approval: Instructor. May be repeated for credit up to 30 credits. Attribute: Upper-Division.

Sociology Courses

SOC 1110 Introduction to Sociology (5) 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. Attributes: Social Science Introductions; and Social Science A.

SOC 2252 Marriage and the Family (5) 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. Course equivalent: FCS 2252.

SOC 2310 Foundations of Social Services (5) 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. Course equivalent: SOC 4310. Attributes: Social Science Introductions; and Social Science A.

SOC 2360 Introduction to Statistics in Social and Behavioral Sciences (5) 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. Course equivalent: PSY 2360. Attributes: Quantitative Reasoning; and Mathematics. Class open to psychology and sociology majors.

SOC 2440 Small Group Dynamics (5) 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. Offered alternate years.

SOC 3215 Social Inequality: Power and Privilege (5) 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. Attribute: Upper-Division.

SOC 3270 Socialization (5) 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. Attribute: Upper-Division.

SOC 3370 Sociology of Deviance (5) 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. Attribute: Upper-Division.

SOC 3371 Crime and Delinquency (5) SOC 1110 is a recommended prerequisite for this course. Studies crime and delinquency in modern society, focusing on both individual and social causes. Attribute: Upper-Division.

SOC 3410 Medical Sociology (5) 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. Attribute: Upper-Division.

SOC 3420 Political Sociology (5) 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? Attribute: Upper-Division.

SOC 3750 Latin America (5) 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. Course equivalent: HIS 3750. Attribute: Upper-Division. Class not open to freshmen.

SOC 3751 Introduction to Research Methods (5) 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; and Writing Course. Class not open to freshmen and sophomores.

SOC 3862 Racial and Ethnic Minorities (5) 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. Attribute: Upper-Division.

SOC 4210 Gender in the Global Context (5) 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. Attribute: Upper-Division. Class open to juniors and seniors.

SOC 4250 Sociology, Policy, and Law (5) SOC 1110 is a recommended prerequisite for this course. The legal process and the creation of public policy are both influenced by the cultural context of the time. This course discusses the influence law and public policy have on individual groups of people and society at large. While legal issues will be discussed, this course will focus on sociological perspective of law. Offered alternate years. Attribute: Upper-Division.

SOC 4252 Sociology of Family (5) 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. Attribute: Upper-Division.

SOC 4308 The Helping Relationship: Theory and Skills (5) 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. Attribute: Upper-Division.

SOC 4380 Social Service Organizations (5) 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. Attribute: Upper-Division.

SOC 4440 Social Psychology (5) 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. Course equivalent: PSY 3438. Attribute: Upper-Division.

SOC 4702 Classical Sociological Theory (5) 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; and Writing Course.

SOC 4703 Contemporary Sociological Theory (5) 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. Attribute: Upper-Division.

SOC 4820 Sociology of Religion (5) 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. Attribute: Upper-Division.

SOC 4899 Sociology Capstone Seminar (3) 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. Attribute: Upper-Division. Class open to sociology majors. Class open to seniors.

SOC 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division.

SOC 4910 Seminar (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to sociology majors.

SOC 4920 Readings in Selected Fields (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division.

SOC 4930 Practicum in Sociology (1–15) Registration approval: Intern Learning Contract req. 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. May be repeated for credit up to 15 credits. Corequisite: SOC 4941. Attribute: Upper-Division. Class not open to freshmen and sophomores.

SOC 4940 Internship in Sociology (1–5) Registration approval: Intern Learning Contract req. 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 fieldwork will be completed for each credit (a minimum of 3 hours per week per credit). Participation in a biweekly seminar (SOC 4941) is required. A minimum of five hours per week of fieldwork 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. Corequisite: SOC 4941. Attribute: Upper-Division. Class not open to freshmen and sophomores.

SOC 4941 Practicum/Internship Seminar (1–5) 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. Fulfills capstone requirement. May be repeated for credit up to 5 credits. Attribute: Upper-Division.

SOC 4970 Independent Research (1–5) Registration approval. Instructor: SOC 1110 is a recommended prerequisite for this course. Prerequisite: B work in the discipline. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

Faculty

- Martin L. Abbott**, Professor of Sociology; B.S., Portland State University, 1974; M.A., Pepperdine University, 1976; Ph.D., Portland State University, 1984. At SPU since 1985; on leave since 2000.
- David Caddell**, Associate Professor of Sociology; B.A., California Baptist College, 1986; M.A., California State-Fullerton, 1989; Ph.D., Purdue University, 1992. At SPU since 1994.
- David A. Diekema**, Associate Professor of Sociology; B.A., Calvin College, 1982; M.A., University of Wisconsin-Milwaukee, 1985; Ph.D., University of Iowa, 1990. At SPU since 1992.
- William Loewen**, Assistant Professor of Sociology; B.A. S.W., Tabor College, 1976; M.S.W., University of Washington, 1980; Ph.D., University of Pennsylvania, 2000. At SPU since 2002.
- Jennifer McKinney**, Assistant Professor of Sociology; B.A., Kentucky Wesleyan College, 1991; M.S., Purdue University, 1995; Ph.D., 2001. At SPU since 2001.
- Kevin Neuhouser**, Professor of Sociology; Chair of the Department of Sociology; B.A., Taylor University, 1980; M.A., Indiana University, 1986; Ph.D., 1990. At SPU since 1996.
- Timothy Ulrich**, Visiting Assistant Professor of Sociology; B.A., Concordia University, 1991; M.A., University of Nebraska-Lincoln, 1993. At SPU since 1999.

Spanish

See Languages

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 are available from Student Academic Services. All standards governing a major as described elsewhere in the *Catalog* will apply to student-designed programs.

Textiles and Clothing

See Family and Consumer Sciences

Theatre

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

Donald Yanik, Chair, **Andrew Ryder**, **George Scranton**, **Steve Beatty**, **Technical Director**

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.)

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 Major

<i>70 credits; 30 upper-division</i>	
<i>Refer to pages 60–62 for a summary of degree requirements.</i>	
Core Courses	
TRE 1930/3930 Performance Practicum*	2
TRE 1931/3931 Production Practicum*	6
TRE 1720 Stagecraft	5
TRE 1810 Playscript Analysis	3
TRE 1340 Acting I: Fundamentals (5)	
or TRE 1310 The Actor's Art	5
TRE 2340 Acting II: Character	5
TRE 2420 Theatre and Drama: Tragedy (5)	
or TRE 2421 Theatre and Drama: Comedy (5)	5
TRE 3733 Scene Design and Technical Drawing	5
TRE 3710 Play Directing	5
TRE 4910 History of the Theatre	5
Electives	
<i>Total must include at least 24 elective credits.</i>	
TRE 3780 Art of Film	5
TRE 3800 Theatre Education	3
TRE 4770 Creative Drama	3
TRE 4899 Capstone: Art and Religious Experience**	5
TRE 4900 Independent Study	1–5
TRE 4943 Internship	1–5
TRE 4950 Special Topics in Theatre	1–5
TRE 4951 Special Topics in Theatre	1–5
May also choose one track from the following:	

Performance Track	
TRE 2320 Movement	3
TRE 2350 Voice	3
TRE 3321 Mime	3
TRE 3340 Acting III	5
TRE 4760 Playwriting	5
TRE 4961 Special Projects in Theatre	1–5
Production Track	
TRE 2733 Scene Painting	3
TRE 2740 Introduction to Lighting and Sound	3
TRE 3720 Stage Makeup	3
TRE 3750 Costume and Period Styles	5
TRE 4760 Playwriting	5
TRE 4961 Special Projects in Theatre	1–5
Total	70

*A maximum of 12 credits of practica offerings may be applied toward the major; any number toward the B.A. degree.

** TRE 4899 Capstone: Art and Religious Experience fulfills the eighth course required in the Common Curriculum (see page XX).

Requirements for the Theatre Minor

<i>35 credits; 15 upper-division</i>	
TRE 1720 Stagecraft	5
TRE 1810 Playscript Analysis	3
TRE 1340 Acting I: Fundamentals (5)	
or TRE 1310 The Actor's Art (5)	5
TRE 2420 Theatre and Drama: Tragedy (5)	
or TRE 2421 Theatre and Drama: Comedy (5)	5
TRE 3710 Play Directing	5
TRE Electives	17
Total	35

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 (see page XX).

Requirements for Theatre Education, K–12 Teaching Endorsement

<i>50 credits; 23 upper-division</i>	
<i>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.</i>	
TRE 1310 The Actor's Art or TRE 1340 Acting One	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 Two: 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

<i>51 credits</i>	
Foundations Quarter	
<i>Must be taken concurrently</i>	
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	
<i>Must be taken concurrently</i>	
EDU 3250 Secondary General Methods I	2

TRE 3800 Theatre Education Methods	3
EDU 3105 Lab Experience	3
Integrated Quarter	
<i>Must be taken concurrently</i>	
EDU 4200 Elementary General Methods II	1
EDU 4530 Topics in Secondary Education	3
EDU 4945 Secondary Internship A	12
Internship Quarter	
<i>Must be taken concurrently</i>	
EDTC 2235 Educational Technology	1
EDU 4800 Teacher as Person	2
EDU 4946 Secondary Internship B	15
Total	51

Theatre Courses

TRE 1110 The Theatre Experience (5) 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. Attribute: Arts and Humanities A. Class not open to theatre majors.

TRE 1310 The Actor's Art (5) 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. Attribute: Arts and Humanities A.

TRE 1340 Acting I: Fundamentals (5) 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. Attribute: Arts and Humanities A.

TRE 1720 Stagecraft (5) 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. Corequisite: TRE 1931.

TRE 1810 Playscript Analysis (3) 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) Registration approval: Instructor and audition. Offered for performance or directing-related activity associated with approved theatrical productions. May be repeated an unlimited number of times. Attribute: Arts and Humanities A.

TRE 1931 Production Practicum (2) Offered for design, technical theatre, or management activity associated with approved theatrical productions. May be repeated an unlimited number of times. Attribute: Arts and Humanities A.

TRE 2304 University Players (1) Registration approval: Instructor and audition. May be repeated an unlimited number of times. Class not open to freshmen.

TRE 2320 Stage Movement (3) 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) 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) 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 and Drama: Tragedy (5) 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. Attribute: Arts and Humanities A.

TRE 2421 Theatre and Drama: Comedy (5) Principle theories of the comic as presented in the theatre and preserved in playscripts drawn from the history of Western civilization. Attribute: Arts and Humanities A.

TRE 2733 Scene Painting (3) 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 to Lighting and Sound (3) 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 (2–5) Topic and credits to be announced in the *Online 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. Class not open to non-matriculated students.

TRE 3321 Elements of Mime (3) An introduction to the theory and practice of mime, the language of gesture. Offered alternate years. Attribute: Upper-Division.

TRE 3340 Acting III: Styles (5) 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. Attribute: Upper-Division.

TRE 3710 Play Directing (5) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 3720 Stage Makeup (3) 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. Attribute: Upper-Division.

TRE 3733 Scene Design and Technical Drawing (5) 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. Attribute: Upper-Division. Class not open to freshmen.

TRE 3750 Costume and Period Styles (5) 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. Attribute: Upper-Division.

TRE 3780 The Art of Film (5) 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. Offered alternate years. Course equivalents: COM 2780, COM 3780, and TRE 2780. Attributes: Arts and Humanities A; Upper-Division; and Writing Course. Class not open to freshmen.

TRE 3800 Theatre Education Methods (3) Registration approval: Instructor. 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 AATE standards and Washington Essential Academic Learning requirements in the Arts. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 3930 Performance Practicum (2) Registration approval: Instructor and audition. Offered for performance or directing-related activity associated with approved theatrical productions. May be repeated an unlimited number of times. Attributes: Arts and Humanities A; and Upper-Division. Class not open to freshmen and sophomores.

TRE 3931 Production Practicum (2) Offered for design, technical theatre, or management activity associated with approved theatrical productions. May be repeated an unlimited number of times. Attributes: Arts and Humanities A; and Upper-Division. Class not open to freshmen and sophomores.

TRE 4304 University Players (1) Registration approval: Instructor and audition. May be repeated an unlimited number of times. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 4760 Playwriting (5) Prerequisite: TRE 1810 or permission of instructor. Seminar discussion and conferences in the writing of actual playscripts. Offered alternate years. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

TRE 4770 Creative Dramatics (3) 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 4899 Capstone: The Arts and Religious Experience (5) 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; and Writing Course. Class not open to freshmen and sophomores.

TRE 4900 Independent Study in Theatre (1–5) Registration approval: Independent Study agreement. May be repeated for credit up to 15 credits. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 4910 History of the Theatre (5) 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. Attributes: Upper-Division; and Writing Course. Class not open to freshmen and sophomores.

TRE 4930 Theatre Practicum (1–3) Registration approval: Instructor. For advanced students who wish to assist as peer academic mentors in UCOR 1000 courses. May be repeated for credit up to 6 credits. Attribute: Upper-Division.

TRE 4943 Theatre Internship (1–5) Registration approval: Intern Learning Contract req. 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. Attribute: Upper-Division. Class open to theatre majors. Class not open to freshmen and sophomores.

TRE 4950 Special Topics in Theatre (1–5) Registration approval: Instructor. Topic and credits to be announced in the *Online 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. Attribute: Upper-Division. Class not open to freshmen and sophomores.

TRE 4951 Special Topics in Theatre (1–5) Registration approval: Travel Studies form. Attribute: Upper-Division.

TRE 4961 Special Projects in Theatre (1–5) Registration approval: Instructor. 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. Attribute: Upper-Division. Class open to theatre majors. Class not open to freshmen and sophomores.

Faculty

Andrew Ryder, Associate Professor of Theatre; B.A., Anderson University, 1990; M.A., Michigan State University, 1994; Ph.D., Bowling Green State University, 1997. At SPU since 2000.

George A. Scranton, Professor of Theatre; B.A., Seattle Pacific College, 1968; M.A., 1971; M.A., University of Washington, 1975; Ph.D., The Graduate Theological Union, 1994. Ordained to Specialized Ministry, E.C.C., 2004. At SPU since 1970.

Donald P. Yanik, Professor of Theatre; Chair of Theatre; B.S., Anderson College, 1964; M.Ed., University of Nebraska, 1970; M.F.A., Southern Methodist University, 1981; Fulbright Scholar, Taiwan, 1993–1994. At SPU since 1985.

Theology, School of

Alexander Hall
(206) 281-2342
www.spu.edu/depts/theology

Colin Greene, *Dean of the School of Theology*

Miriam Adeney, Patricia Brown, Kerry Dearborn, Robert Drov Dahl, Sara Koenig, Douglas Koskela, Eugene Lemcio, John R. Levison, David Nienhuis, Delia Nüesch-Olver, Priscilla Pope-Levison, C. Edward Smyth, Frank Spina, Richard Steele, Robert Wall

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

<i>59 credits</i>	
<i>Refer to pages 60-62 for a summary of degree requirements.</i>	
Christian Scriptures	
Select two upper-division Scripture courses	10
Christian Heritage	
Select two courses from the following:	
THEO 3301 Early and Medieval Christianity (5)	
THEO 3302 Reformation and Modern Christianity (5)	
THEO 3303 Christianity in America (5)	
THEO 3331 Women in Christianity (5)	10
Christian Doctrine /Christian Ethics	
Select one upper-division Christian doctrine or Christian ethics course	5
Christian Ministry	
THEO 2710 Foundations for Educational Ministry	5
THEO 2720 Curriculum and Instruction	5
THEO 3710 Human Development and Christian Faith	5
THEO 3730 Program Planning in Youth Ministry	3
THEO 4720 Leadership in Ministry	5
THEO 4731 Child Development and Educational Ministry	3
THEO 4733 Adult Development and Education Ministry	3
THEO 4899 Christian Theology Capstone	2
THEO 4950 Special Topics	3
Total	59

Note: The requirements for the major are in addition to meeting the Foundations requirements.

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

<i>58 credits</i>	
<i>Refer to pages 60-62 for a summary of degree requirements.</i>	
Christian Scriptures	
Select one course from the following:	
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)	5
Select one course from the following:	
THEO 3210 Four Gospel and One Jesus (5)	
THEO 3220 Prophecy, Power, and Politics: Acts (5)	
THEO 3230 Faith and Works: New Testament Letters (5)	
THEO 3240 The Book of Revelation (5)	5
Select one course from the following:	
THEO 4100 Biblical Ethics (5)	
THEO 4290 Biblical Theology (5)	5

Christian Heritage

Select two courses from the following:	
THEO 3301 Early and Medieval Christianity (5)	
THEO 3302 Reformation and Modern Christianity (5)	
THEO 3303 Christianity in America (5)	
THEO 3331 Women in Christianity (5)	10

Christian Doctrine

THEO 3401 Exploring Christian Doctrine	5
THEO 4401 Representative Theologians	5

Christian Ethics

Select one of the following:	
PHI 1002 History of Ethics (5)	
THEO 3501 Christian Ethics (5)	
THEO 3510 Christianity and Society (5)	5

Christian Ministry

Select one course from the following:	
THEO 2710 Foundations for Educational Ministry (5)	
THEO 3710 Human Development and Christian Faith (5)	5

Christian Ministry

Select one course from the following:	
THEO 3601 Multiethnic Ministry (3)	
THEO 3640 Cross-Cultural Communication (3)	
THEO 4610 World Religions (3)	3

Philosophical Backgrounds

PHI 1004 Survey of Western Philosophy (5)	5
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Capstone

THEO 4899 Christian Theology Capstone	2-5
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Total	55-58
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Note: The requirements for the major are in addition to meeting the Foundations requirements.

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

<i>30 credits</i>	
UFDN 2000: Christian Scripture	5
Select two courses from the following:	
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)	10
Select two courses from the following:	
THEO 3210 Four Gospels and One Jesus (5)	
THEO 3220 Prophecy, Power, and Politics: Acts (5)	
THEO 3230 Faith and Works: New Testament Letters (5)	
THEO 3240 The Book of Revelation (5)	10
Select one course from the following:	
THEO 4000 From the Old Testament to the New (5)	
THEO 4100 Biblical Ethics (5)	
THEO 4290 Biblical Theology (5)	5
Total	30

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

<i>30-31 credits</i>	
Christian Heritage	
Select one course from the following:	
THEO 3301 Early Medieval Christianity (5)	
THEO 3302 Reformation and Modern Christianity (5)	
THEO 3303 Christianity in America (5)	
THEO 3331 Women in Christianity (5)	5
Christian Doctrine	
THEO 3401 Exploring Christian Doctrine	5
THEO 4401 Representative Theologians	5
Christian Ethics	
Select one course from the following:	
PHI 3651 Contemporary Ethical Theory (5)	
THEO 3501 Christian Ethics (5)	
THEO 3510 Christianity and Society (5)	
THEO 4100 Biblical Ethics (5)	5
Electives	10-11
<i>Select any two additional 5-credit courses from those listed above and/or below, or any additional 5-credit course listed above or below plus two of the 3-credit Global Urban ministry (GUM) and/or 3-credit SOC 4910 Seminar courses listed below:</i>	
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)	
Total	30-31

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

<i>31 credits</i>	
THEO 2710 Foundations for Educational Ministry	5
THEO 2720 Curriculum and Instruction	5

THEO 4720 Leadership in Ministry	5
Select two courses from the following age-level courses	
THEO 3730 Program Planning in Youth Ministry (3)	
THEO 4731 Child Development and Educational Ministry (3)	
THEO 4733 Adult Development and Educational Ministry (3)	6
One course from the Christian doctrine section	5
Elective course work in educational ministry	5
Total	31

Youth Ministry Minor

Robert Drov Dahl, 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.

Requirement for Youth Ministries Minor	
<i>32 credits</i>	
THEO 2710 Foundations for Educational Ministry	5
THEO 3710 Human Development and Christian Faith	5
THEO 3715 Youth Cultures and Christian Faith	3
THEO 3730 Program Planning in Youth Ministry	3
THEO 3735 Youth Ministry: Mission and Evangelism	3
THEO 4720 Leadership in Ministry	5
THEO 4950 Special Topics	3
THEO 4940 Internship	2
Elective	3
Total	32

Global and Urban Ministry Minor

Delia Nüesch-Olver, Contact

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	
<i>30 credits</i>	
THEO 2620 Introduction to Global and Urban Ministry	5
THEO 3640 Cross-Cultural Communication	3
THEO 3630 Holistic Ministry	3
THEO 4610 World Religions	3
Select two courses from the following:	
THEO 3601 Multiethnic Ministry (3)	
THEO 4602 Issues in Latin American Christianity (3)	
THEO 4603 Issues in Asian/African Christianity (3)	6
Elective(s)	5
THEO 4940 Internship (5)	
or THEO 4620 Interpreting the City (5)	5
Total	30

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.

Requirements for the International Service Certificate	
<i>9-13 credits</i>	
THEO 3640 Cross-Cultural Communication (3)	3
An elective course in Global and Urban Ministry	3-5
An approved course in the student's major (i.e., international business) or a second course in Global and Urban Ministry	3-5
Total	9-13

Greek Courses

GRK 1101 Elementary Greek (3) Emphasizes the essentials of Koine Greek grammar and syntax, enabling the student to read the New Testament with a beginner's facility and with the potential to study other kinds of biblical and nonbiblical Koine Greek literature. Offered Summer Quarter only.

GRK 1102 Elementary Greek (3) Prerequisite: GRK 1101 or equivalent. Emphasizes the essentials of Koine Greek grammar and syntax, enabling the student to read the New Testament with a beginner's facility and with the potential to study other kinds of biblical and nonbiblical Koine Greek Literature. Offered Summer Quarter only.

GRK 1103 Elementary Greek (3) Prerequisites: GRK 1101 and 1102 or equivalent. Emphasizes the essentials of Koine Greek grammar and syntax, enabling the student to read the New Testament with a beginner's facility and with the potential to study other kinds of biblical and nonbiblical Koine Greek literature.

Theology Courses

THEO 2620 Introduction to Global and Urban Ministry (5) This course provides an overview of the city in contemporary society. It introduces the student to the vocabulary, strategies, models, and theological foundations for urban ministry.

THEO 2710 Foundations for Educational Ministry (5) 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) 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 2900 Foundations for Leadership (5) Registration approval: Instructor. Provides students with the opportunity to understand the relationship of Christian spirituality to personal integrity, interpersonal relationships, and the leadership of all organizations. Students will explore biblical examples of leadership and examine their own motivation and approaches to leadership.

Special emphasis will be placed on practical skills in personal management, scheduling, prioritization, as well as the leadership of committees. Class not open to freshmen.

THEO 3100 Community Bible Study (2) Study of a selected book or particular theme of the Bible. Each quarter a new book or theme will be explored with particular attention given to its part in the formation of Christian life. All members of the SPU community are encouraged to "tune in CBS" (community Bible study)! May not be used to satisfy School of Theology major or minor requirements. May be repeated for credit up to 18 credits. Attribute: Upper-Division.

THEO 3110 Torah/Pentateuch: The Old Testament Gospel (5) 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; and Writing Course.

THEO 3120 The Former Prophets: Entering and Leaving the Promised Land (5) 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; and Writing Course.

THEO 3130 Word as Witness: Israel's Prophets (5) 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; and Writing Course.

THEO 3140 Biblical Wisdom: Encountering God in Everyday Life (5) 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, especially when affirming the sometimes paradoxical and ambiguous nature of living life in harmony with God's purposes.

Moreover, 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); only then is formed a fully biblical conception of a wise approach to life with God. 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; and Writing Course.

THEO 3210 Four Gospels and One Jesus (5) 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. Attribute: Upper-Division.

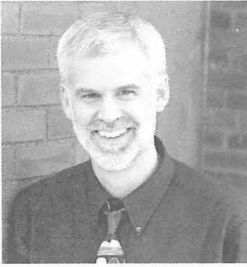
THEO 3220 Prophecy, Power, and Politics: Reading Acts Today (5) Prerequisite: UFDN 2000 or 3001. Acts tells the exciting story of the first believers who continued the ministry of the risen Jesus from Jerusalem to Rome. Acts is also one of Scripture's most strategic books, providing the New Testament's 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. Attribute: Upper-Division.

THEO 3230 Faith and Works: New Testament Letters (5) 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; and Writing Course.

THEO 3240 The Book of Revelation: Back to the Future (5) 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; and Writing Course.

THEO 3301 Early and Medieval Christianity (5) 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. Course equivalent: HIS 3401. Attribute: Upper-Division. Class not open to freshmen.

THEO 3302 Reformation and Modern Christianity (5) 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



"The chance to breathe slowly while pouring over good books, to have conversations that matter, to know we care passionately and will demand our students' best — these are the gifts School of Theology professors offer our students."

Jack Levison
Theology

menical movement, and liberation theologies in the 20th century. Course equivalent: HIS 3402. Attribute: Upper-Division. Class not open to freshmen.

THEO 3303 Christianity in America (5) 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. Course equivalent: HIS 3406. Attribute: Upper-Division. Class not open to freshmen.

THEO 3305 Topics in the History of Christianity (3–5) Specific focus varies. Current topic: “Western Spirituality: Heretics, Mystics, and Monks” (3). Explores various spiritual movements from the early church to the 16th century, with special attention to their contributions to mainstream Catholic and Protestant traditions. May be repeated for credit up to 10 credits. Course equivalent: HIS 3405. Attribute: Upper-Division. Class not open to freshmen.

THEO 3331 Women in Christianity (5) 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 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. Attribute: Upper-Division. Class not open to freshmen.

THEO 3401 Exploring Christian Doctrine (5) 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, theological anthropology, church and sacraments, and eschatology. May be repeated for credit two times. Attribute: Upper-Division.

THEO 3501 Christian Ethics (5) 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. Attribute: Upper-Division.

THEO 3510 Christianity and Society (5) 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. Attribute: Upper-Division.

THEO 3601 Multiethnic Ministry (3) 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. Attribute: Upper-Division.

THEO 3610 Living in Another Culture (3) 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. Attribute: Upper-Division.

THEO 3630 Holistic Ministry (3) Assists students in the development of a practical theology of holistic ministry. Insights gained through on-site visits and classroom interviews with practitioners are balanced by theology, missiology, and social theory through analysis, research, and critique. Attribute: Upper-Division.

THEO 3640 Cross-Cultural Communication (3) This course gives students tools for systematic analysis and theological critique of a culture and empathetic encounter with other peoples. Texts will include case studies and novels. The class will explore culturally contextualized community development, health care, agriculture, microbusiness, evangelism, leadership development, music, ethnotheology, and skills for coping with culture stress. Attribute: Upper-Division.

THEO 3710 Human Development and Christian Faith (5) 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. Attribute: Upper-Division.

THEO 3715 Youth Cultures and Christian Faith (3) Examines the intersection of theology and culture as expressed among youth today. The course provides a theological critique aimed at a Christian perspective on youth culture and understanding how culture influences adolescent faith. Attribute: Upper-Division.

THEO 3730 Program Planning in Youth Ministry (3) Youth ministry, while relational, is comprised largely of logistical details. Both sides are important. This course addresses the often neglected side of logistics, planning, and programming, balanced by a theological motivation. Emphasis will be placed on planning with diversity and/or special needs which arise within a ministry. Attribute: Upper-Division.

THEO 3732 Crisis Management in Youth Ministry (3) This course presents an overview of crises that face the youth minister from three angles: personal and systemic crises within the life of an adolescent; crises in the family of an adolescent; and crises in the life of the youth minister. Attribute: Upper-Division.

THEO 3735 Youth Ministry: Mission and Evangelism (3) Examines missions and evangelistic work in youth ministry. The course focuses on outreach to youth and outreach with youth. Attribute: Upper-Division. Class not open to freshmen.

THEO 3810 Community Economic Development (3) 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. Course equivalent: ECN 3810. Attribute: Upper-Division. Class not open to freshmen.

THEO 4000 From the Old Testament to the New (5) Prerequisites: UFDN 2000 or 3001 and one 3000 level Scripture course. The historical period between the Old and New Testaments 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. Attribute: Upper-Division.

THEO 4100 Biblical Ethics: How Shall We then Live? (5) Prerequisites: UFDN 2000/3001 and one 3000-level Scripture course. 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; and Writing Course.

THEO 4290 Biblical Theology: Reading the Whole Bible as Scripture (5) Prerequisites: UFDN 3100 and one 3000-level Scripture course. The Bible testifies in a variety of ways to what God did in Israel and in Christ to get the world back on track. Most people find this biblical testimony fascinating and compelling. In addition, those who regard the Bible as God’s gift to the community of faith will find its message indispensable for their spiritual, moral, and theological formation. Attributes: Upper-Division; and Writing Course.

THEO 4401 Representative Theologians (5) Prerequisites: UFDN 2000/3001 and one 3000-level Scripture course. 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 activity and probes the distinctive emphases of various Christian traditions and theological movements. Examples of theologians considered: Augustine, Karl Barth, Dietrich Bonhoeffer, Jonathan Edwards, John Wesley, the Eastern Christian Fathers, liberation theologians, and women theologians. May be repeated for credit two times. Attribute: Upper-Division.

THEO 4602 Issues in Latin American Christianity (3) 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. Protestants will be emphasized, but Catholics also will be included. Ministry issues will include leadership training and youth. Hispanics in the Pacific Northwest will be a focus. Field experience in Spanish-speaking churches in Metro Seattle will be part of the class. Offered alternate years. Attribute: Upper-Division.

THEO 4603 Issues in Asian/African Christianity (3) 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. Attribute: Upper-Division.

THEO 4610 World Religions (3) 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. Attribute: Upper-Division.

THEO 4620 Interpreting the City (5) Prerequisites: THEO 2620 and THEO 3630, 3640, or 4610. This course studies the complexity of 21st-century urban culture, including systems such as health care, media, social services, politics, education, entertainment, business, as well as the influence of various ethnic, religious, and social groups and their values. Students will identify their own cultural biases and assumptions and develop a personal theology of urban ministry. This course is an interdisciplinary course utilizing theology and the social sciences. Attribute: Upper-Division.

THEO 4720 Leadership in Ministry (5) 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; and Writing Course.

THEO 4731 Child Development and Educational Ministry (3) 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. Attribute: Upper-Division.

THEO 4733 Adult Development and Educational Ministry (3) Prerequisite: THEO 2710, 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. Attribute: Upper-Division.

THEO 4899 Christian Theology Capstone (2–5) 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. Attribute: Upper-Division. Class open to seniors.

THEO 4900 Independent Study (1–5) Registration approval: Independent Study Agreement. 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. Attribute: Upper-Division.

THEO 4930 Practicum (1–5) Registration approval: Instructor. Provides selected majors experience as an undergraduate teaching or research assistant with a School of Theology member. May be repeated for credit up to 9 credits. Class open to biblical literature, biblical studies, Christian education, Christian ministries, Christian theology, and cross-cultural ministries majors.

THEO 4940 Internship (1–15) Registration approval: Intern Learning Contract req. Prerequisites: 25 credits in theology coursework at SPU; current enrollment as a major or minor in the School of Theology. May be repeated for credit up to 15 credits. Attribute: Upper-Division.

THEO 4950 Special Topics (1–5) Provides a focused study of a specific theological topic chosen by the instructor. The study typically explores theological perspectives on a contemporary issue. See current *Online Time Schedule* for topic. May be repeated for credit up to 10 credits. Attribute: Upper-Division.

Faculty

Miriam Adeney, Associate Professor of Global and Urban Ministry; B.A., Wheaton College, 1967; M.A., Syracuse University, 1969; Ph.D., Washington State University, 1980. At SPU since 1976. (Continuing part-time.)

Patricia Brown, Associate Professor of Educational Ministry and Christian Formation; B.S., Lock Haven University, 1980; M.Div., Lutheran Theological Seminary, 1993; Ph.D., Graduate College of the Union University, 2002. At SPU since 2003.

Kerry Dearborn, Associate Professor of Theology; B.A., Whitman College, 1972; M.A., Fuller Theological Seminary, 1988; Ph.D., University of Aberdeen, U.K., 1994. At SPU since 1994.

Robert R. Drovda, Professor of Christian Ministry and Education; B.A., Seattle Pacific College, 1971; M.A., Wheaton Graduate School, 1974; Ph.D., Michigan State University, 1980. At SPU since 1978.

Colin Greene, Dean of the School of Theology; Professor of Systematic Theology; B.A., Queen's University, 1973; M.A., Cambridge University, 1975; Ph.D., University of Nottingham, 1982. At SPU since 2003

Sara Koenig, Instructor of Biblical Studies; B.A., Seattle Pacific University, 1995; M.Div., Princeton Theological Seminary, 1999; At SPU since 2003.

Douglas Koskela, Assistant Professor of Theology; B.A., Seattle Pacific University, 1995; M.Div., Duke Divinity School, 1998. Ph.D., Southern Methodist University, 2003. At SPU since 2001.

Eugene E. Lemcio, Professor of New Testament; B.S., Houghton College, 1964; M.Div., Asbury Theological Seminary, 1968; Ph.D., Trinity College, Cambridge University, 1975. At SPU since 1974.

John R. Levison, Professor of New Testament; B.A., Wheaton College, 1978; M.A., Cambridge University, 1980; Ph.D., Duke University, 1985. At SPU since 2001.

David Nienhuis, Assistant Professor of Theology; B.A., Seattle Pacific University, 1990; M.Div., Duke Divinity School, 1996. At SPU since 1999.

Delia Nüesch-Oliver, Associate Professor of Global and Urban Ministry; B.S., Mercy College, 1983; M.A., Long Island University, 1984; Ph.D., Syracuse University, 1997. At SPU since 1998.

Priscilla Pope-Levison, Professor of Theology; Assistant Director of Women's Studies. B.Mus., DePauw University, 1980; M.Div., Duke Divinity School, 1983; Ph.D., University of St. Andrews, 1989. At SPU since 2001.

C. Edward Smyth, Professor of Educational Ministry; B.A., Taylor University, 1968; M.A., Gordon-Conwell Theological Seminary, 1972; Ed. D., Boston University, 1978. At SPU 1976-1992 and since 2000.

Frank A. Spina, Professor of Old Testament; B.A., Greenville College, 1965; M.Div., Asbury Theological Seminary, 1968; M.A., University of Michigan, 1970; Ph.D., 1977. At SPU since 1973.

Richard Steele, Professor of Moral and Historical Theology; B.A., Haverford College, 1974; M.Div., Yale Divinity School, 1978; Ph.D., Marquette University, 1990. At SPU since 1994.

Robert W. Wall, Professor of the Christian Scriptures; B.A., Valparaiso University, 1969; Th.M., Dallas Theological Seminary, 1973; Th.D., 1979. Additional graduate study at Perkins School of Theology, Southern Methodist University. At SPU since 1978.

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 at either the English or the sociology offices.

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.

Program Requirements	
WST 2350 Introduction to Women's Studies	5
WST 4940 Internship <i>or</i> 4960 Independent Project	3-5
Institutions and Society	
Select at least one course from the following:	
ANT 2250 Cultural Anthropology (5)	
COM 1101 Introduction to Interpersonal Communication (5)	
COM 4607 The Rhetoric of Dissent (5)	
FCS/SOC 2252 Marriage and the Family (5)	
FCS 3875 Appearance and Human Behavior (3)	
SOC 3215 Social Inequality (5)	
SOC 3270 Socialization (5)	
SOC 4210 Women in the Third World (5)	
SOC 4250 Social Policy and Law (5)	
SOC 4252 Sociology of Family (5)	
SOC 4910 Gender and Family Seminar (3)	3-5
Literature and the Arts	
Select at least one course from the following:	
ENG 2234 Literature by Women (5)	
ENG 3334 American Ethnic Literature (5)	
ENG 3338 Contemporary Fiction (5)	
ENG 3351 Victorian Poetry and Fiction (5)	
ENG 4334 American Ethnic Literature: Special Topics (5)	
EUR 3950 German Women Authors (5)	
FCS 3870 History of Costume (5)	
FRE 3205 Topics in French Literature: Heroines (5)	

SPN 3105 Literature Survey: Golden Age (3)	5
Psychological and Human Development	
Select at least one course from the following:	
HSC 3035 Human Sexuality (5)	
FCS 3320 Maternal and Child Nutrition (3)	
FCS 3240 Individual and Family Development (5)	
PSY 4485 Psychobiology of Women (3)	3-5
Religion and Culture	
Select at least one course from the following:	
HIS 3405/THEO 3305 Western Spirituality: Heretics, Mystics and Monks (5)	
THEO 3303/HIS 3406 Christianity in America (5)	
THEO 3631 Women in Christianity (5)	
THEO 3401 Exploring Christian Doctrine (5)	
THEO 4401 Representative Theologians (5) <i>or</i> THEO 4401 Eastern Christian Fathers and Mothers (5)	
POL/HIS 3345 Modern Russian (5)	3-5
Electives from any courses listed above as needed	3-5
Total	30

Note: Not all courses are offered every year. Check the Online 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 Courses

WST 2350 Introduction to Women's Studies (5) 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.

WST 3000 Issues in Women's Health (3) Examines selected issues in women's health care in the context of women's lived experiences, including women's health care issues within the existing health care system, ways to reclaim and reshape gynocentric care for themselves, and sociopolitical activities that facilitate health care for all women. Global health care will be addressed with SPU mission to engage the culture. Course equivalent: HSC 3000. Attribute: Upper-Division.

WST 4940 Internship (1-5) Registration approval: Intern Learning Contract req. A final, independent project in women's studies that consists of an internship involving written reflection and assessment. Attribute: Upper-Division.

WST 4960 Independent Project (1-5) Registration approval: Instructor. 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. Attribute: Upper-Division.

Additional Faculty



Raymond J. Wells, Philosophy and Religion; B.A., Seattle Pacific College, 1946; S.T.B., New York Theological Seminary, 1949; S.T.M., 1950; Ph.D., University of Edinburgh, Scotland, 1955. At SPU 1967–1993. Emeritus since 1993.

Winifred E. Weter, Classical Languages; B.A., University of Oregon, 1929; M.A., University of Chicago, 1930; Ph.D., University of Chicago, 1933. At SPU 1935–1975. Emerita since 1975.

Vernon Wicker, Music, B.M., Biola College, 1961; M.M., Indiana University, 1964; Goethe Institute, Germany, 1964; D.M.A., University of Oregon, 1979. At SPU 1979–2002. Emeritus since 2002.

Dick A. Wood, Mathematics and Computer Science; B.S., California State College at Long Beach, 1961; M.A., 1962; Ph.D., University of Montana, 1976. At SPU 1963–1965, 1968–1979, and 1984–2003. Emeritus since 2003.

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 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, B.A.

Special Assistant to the President
 Director of the John Perkins Center for Reconciliation, Community Development, and Leadership Training
 B.A., History, University of Washington 1994.
 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.

Colin J.D. Greene, Ph.D.

Dean of the School of Theology
 B.A., Queen's University, Belfast, Northern Ireland, 1973; B.A., Cambridge University, England, 1975; M.A., 1980; Ph.D., Nottingham University, England, 1982. At SPU since 2003.

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, Curriculum and Assessment
 Associate Professor of Sociology
 B.A., Westmont College, 1983; M.A., Washington State University, 1986; Ph.D., 1990. At SPU since 1993.

Micheál 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

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.

Jacquelyn Smith-Bates, M.A.

Director of Career Development Center
 B.A., Azusa Pacific College, 1978; M.A., Azusa Pacific University, 1983. At SPU since 1986.

Linda Wagner, M.Ed.

Director for the Center for Learning
 B.A., Central Washington, 1970; M.Ed., Seattle Pacific University, 1992. At SPU since 1982.

Campus Ministries

Tami Anderson Englehorn, M.S., M.F.T.

Director of Campus Ministries
 B.A., Seattle Pacific University, 1993; M.S., Fuller Theological Seminary, 1997. At SPU since 1996.

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, 1980; M.S., Idaho State, 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.

Jack C. Hoyt, M.Ed.

Head Track and Field Coach
 B.A., Seattle Pacific, 1987; M.Ed., Seattle Pacific University, 1998. At SPU 1989-1991 and since 1999.

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.

Howard E. Kellogg, B.A.

Director of Intramural and Club Sports; Facilities Manager
 B.A., Whitworth College, 1972. At SPU since 1981.

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.

Gordy H. Presnell, M.S.

Head Women's Basketball Coach
B.A., Northwest Nazarene College, 1983; M.S., Seattle Pacific
University, 1989. At SPU since 1986.

Kellie K. Ryan, M.Ed.

Head Women's Volleyball Coach
B.A., Seattle Pacific University, 1992; M.Ed., Syracuse Univer-
sity 1998. At SPU 1994-1995 and since 2000.

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.

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.

Director of Student Academic Services
University Registrar
B.A., Warner Pacific College, 1984; M.S., Seattle Pacific
University, 1991. At SPU since 1988.

Kenneth E. Cornell Jr., M.B.A.

Assistant Vice President for University Relations
B.A., Seattle Pacific University, 1985; M.B.A., 1994.
At SPU since 1990.

Jerald L. Finch, M.B.A.

Director of Institutional Research
B.S., Southern Illinois University, 1971; M.B.A., Eastern Wash-
ington University, 1978. At SPU since 1988.

John L. Glancy, M.C.

Director of Graduate Admissions and Marketing
B.A., Seattle Pacific College, 1970; M.C., University of Wash-
ington, 1979. At SPU 1970-1972, 1973-1976, and since 1980.

Jennifer J. Gilnett, M.A.

Director of University Communications
Editor *Response Magazine*
B.A., Seattle Pacific University, 1981; M.A., University of
Washington, 1987. At SPU 1981-1985 and since 1987.

Jordon L. Grant, M.P.A.

Director, Student Financial Services
B.A., University of Oregon, 1993; M.P.A., Seattle University,
2004. At SPU since 2004.

Jennifer M. Kenney, M.Ed.

Director of Undergraduate Admissions
B.A., Seattle Pacific University, 1991; M.Ed., Azusa Pacific
University, 1998. At SPU since 1992.

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,
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1980.

David B. Church, B.S.

Executive Director of Facility and Project Management
B.S., Seattle Pacific University, 1981. At SPU since 1981.

Randall R. Hashimoto, B.A.

Executive Director of Human Resources
B.A., University of California-Los Angeles, 1986.
At SPU since 1998.

Darrell W. Hines, Ed.D.

Associate Vice President for Business and Facility Services
B.A., Pacific Lutheran University, 1959; M.Ed., Oregon State
University, 1963; Ed.D., University of Washington, 1976.
At SPU since 1995.

Craig G. Kispert, M.B.A., CPA

Assistant Vice President for Finance and Budget
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.

Executive Director and Treasurer, Seattle Pacific Foundation
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.

Executive Director of Computer and Information Systems
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
SPU Trustee 1983-1996. On staff since 1996.

Dean O. Carrell, B.A.

Director of Annual Giving
B.A., Seattle Pacific University, 1987. At SPU since 1999.

Mark C. Miles, M.B.A.

Director of Advancement Services
B.S., Biola University, 1981; M.B.A., California State Univer-
sity-Long Beach, 1989. At SPU since 2000.

Sig Swanstrom, B.A.

Director, The Society of Fellows
B.A., Seattle Pacific University, 1973. At SPU since 1998.

Douglas E. Taylor, B.A.

Director of Alumni 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 1964-1970, 1972-1994. 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 1968-1982.
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

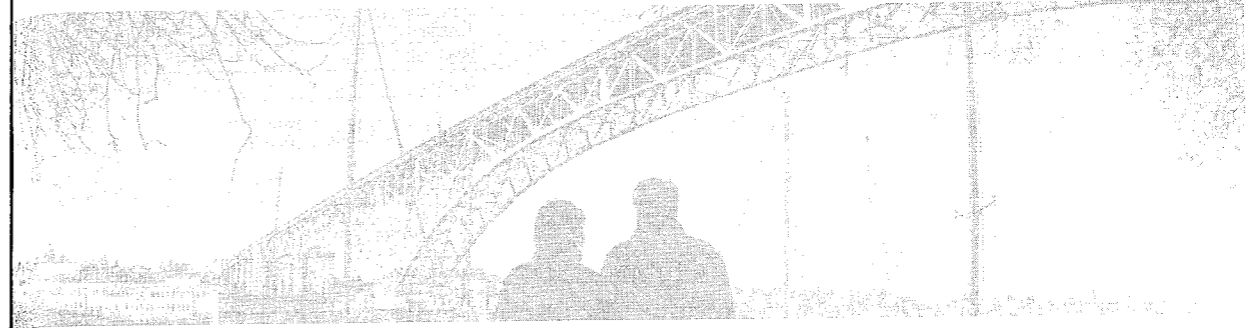
Appointive Members

Bruce Clement '81
Doug Deardorf '78
Mindy Galbreath '00
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
Lynne Hall '76, Administrative Assistant

**Calendar, Campus Map
and Index**



University Calendar 2005-2006

Autumn Quarter 2005		
Labor Day (Holiday)	Monday	September 5
Class Instruction Begins	Monday	September 26
Waitlist Ends	Tuesday	September 27
Last Day to Register or Add Courses*, to Register Without Late Fee, or to Apply for Audit	Friday	September 30
Last Day to Apply for Pass/No Credit, Independent Study, Internships, and Individual Instruction	Friday	October 7
Student Reading/Faculty In-Service Day	Wednesday	October 19
Last Day to Withdraw From Courses	Friday	November 4
Veterans Day (Holiday)	Friday	November 11
Winter Registration for Admitted Students Currently in Attendance Begins	Monday	November 14
Winter Registration for Graduate or New Admits Begins	Monday	November 21
Thanksgiving (Holiday)	Thu-Fri	November 24-25
Winter Registration for Non-Admitted Students Begins	Monday	November 28
Final Examinations or Last Class for All Evening Classes	Mon-Thu	December 5-8
Last Class for Day Classes	Tuesday	December 6
Final Examination for All Day Classes	Wed-Fri	December 7-9
Grades Due	Monday	December 19
Winter Quarter 2006		
Class Instruction Begins	Wednesday	January 4
Waitlist Ends	Thursday	January 5
Last Day to Register or Add Courses*, to Register Without Late Fee, or to Apply for Audit	Tuesday	January 10
Martin Luther King Jr. Day (Holiday)	Monday	January 16
Last Day to Apply for Pass/No Credit, Independent Study, Internships, and Individual Instruction	Wednesday	January 18
Last Day to Withdraw From Courses	Friday	February 10
Spring Registration for Admitted Students Currently in Attendance Begins	Monday	February 13
Presidents Day (Holiday)	Monday	February 20
Spring Registration for Graduate or New Admits Begins	Monday	February 27
Spring Registration for Non-Admitted Students Begins	Monday	March 6
Last Class for Day Classes	Friday	March 10
Final Examinations or Last Class for All Evening Classes	Mon-Wed	March 13-15
Final Examination for All Day Classes	Mon-Wed	March 13-15
Spring Vacation		March 16-28
Grades Due	Monday	March 27
Spring Quarter 2006		
Class Instruction Begins	Wednesday	March 29
Waitlist Ends	Thursday	March 30
Last Day to Register or Add Courses*, to Register Without Late Fee or to Apply for Audit	Tuesday	April 4
Last Day to Apply for Pass/No Credit, Independent Study, Internships and Individual Instruction.	Tuesday	April 11
Good Friday (Half-Day Holiday)	Friday	April 14
Summer Registration Begins	Monday	April 17
Last Day to Withdraw From Courses	Friday	May 5
Autumn Registration for Admitted Students Currently in Attendance Begins	Monday	May 15
Autumn Registration for New Admits Begins	Saturday	May 20
Autumn Registration for Graduate Students Begins	Monday	May 22
Memorial Day (Holiday)	Monday	May 29
Autumn Registration for Non-Admitted Students Begins	Tuesday	May 30
Last Class for Day Classes	Friday	June 2
Student Reading/Faculty In-Service Day	Monday	June 5
Final Examinations or Last Class for All Evening Classes	Mon-Thu	June 5-8
Final Examination for All Day Classes	Tue-Thu	June 6-8
Ivy Cutting	Friday	June 9
Commencement	Saturday	June 10
Grades Due	Monday	June 19
Summer Quarter 2006		
First Four-Week Session Begins	Monday	June 12
First Four-Week Graduate Session Begins	Monday	June 26
Independence Day (Holiday)	Tuesday	July 4
Second Four-Week Session Begins	Monday	July 10
Full Payment Required at Time of Summer Registration Begins	Tuesday	July 11
Second Four-Week Graduate Session Begins	Monday	July 24
Grades Due	Thursday	September 14

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.
 *Evening/weekend students may register through the first class session or through the fifth day (whichever is later). 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 and Presidents Day in order to have the required class sessions.

Seattle Pacific University Campus

Buildings

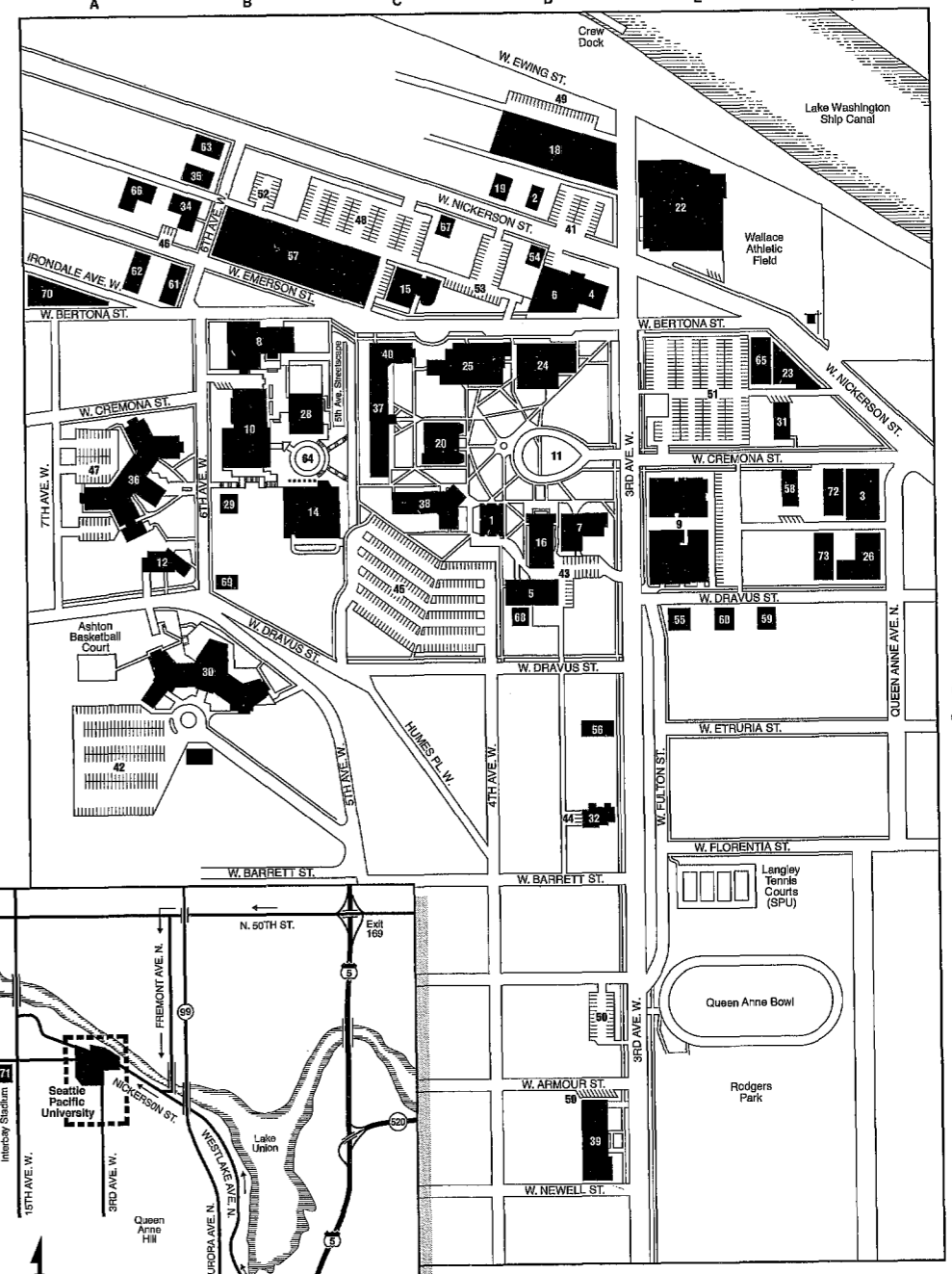
- Alexander Hall (1) D4
- Alumni Center (2) D2
- American Cultural Exchange (54) D2
- Art Center (3) F3
- Bank (4) D2
- Beagle Hall (5) D4
- Bertona Classrooms (65) E3
- Bookstore (6) D2
- Center for Professional Development (67) C2
- Crawford Music Building (7) D4
- Credit Union (85) E1
- Demaray Hall (DH) (8) B2
- First Free Methodist Church (9) E4
- Gwynn Commons (10) B3
- Hillford House (Private) (12) A4
- Human Resources Building (19) D2
- Interbay Stadium (71) Inset Map
- Library (14) B3
- Marston Hall (37) C3
- Martin Square (64) B3
- McKenna Hall (15) C2
- McKinley Hall (16) D4
- Otto Miller Hall (MH) (18) D1
- Peterson Hall (20) C3
- Royal Brougham Pavilion (22) E2
- Science Building (25) C3
- Student Union Building (SUB) (24) D3
- Tiffany Loop (11) D3
- Facility Operations Center (26) F4
- Wells Advancement Center (23) F3
- Watson Hall (40) C3
- Weter Hall (28) B3
- University Services (US) (29) B4

Parking Lots

- Alumni Center (41) D2
- Ashton (42) A5
- Crawford (43) D4
- Davis (44) D5
- Dravus (45) C4
- Emerson Underground (57) B2
- Falcon Apartments (46) B2
- Hill (47) A3
- McKenna (48) C2
- Miller Hall (MH) (49) D1
- Robbins (50) D7
- Ross (51) E3
- Sixth Avenue West (52) B2
- Visitor (53, 45) C2, C4

Offices/Services

- Academic Affairs, DH 210 (8) B2
- Admissions (Undergraduate), DH 120 (8) B2
- Alumni (2) D2
- Art Center Gallery (3) F3
- Associated Students, Main Level SUB (24) D3
- Business and Finance, DH 250 (8) B2
- Campus ID Cards, US (29) B4
- Campus Ministries, Second Floor SUB (24) D3
- Career Development, Second Floor SUB (24) D3
- Center For Learning, Lower Moyer (38) C3
- College of Arts and Sciences, Alexander (1) D4
- Collegium (Commuter Lounge), Main Level SUB (24) D3
- Computer and Information Systems, Lower Marston (37) C3
- Controller, Upper Weter (28) B3
- Conference Services, US (29) B4
- Continuing Studies, First Floor Peterson (20) C3
- Copying Services, Lower Marston (37) C3
- Credit Union (85) E1
- Development (23) F3
- Disability Support Services, Lower Moyer (38) C3
- E.E. Bach Theatre, McKinley (16) D4
- Falcon Newspaper, 3210 Fourth West (68) D4
- Facilities and Planning/Building Maintenance, 2 West Dravus (26) F4
- Falcon's Landing, Main Level SUB (24) D3
- Health Services, First Watson (40) C3
- Housing Services, US (29) B4
- Human Resources (19) D2
- Image Journal, Second Watson (40) C3
- KSPU Radio, Main Level Weter (28) B3
- Motorpool Maintenance (23) E3
- Mailing Services, Lower Marston (37) C3
- Meal Plan Services, US (29) B4
- Media Services, Lower Marston (37) C3
- President's Office, DH 210 (8) B2
- Psychology Labs, Lower Watson (37) C3
- Residence Life, Second Floor SUB (24) D3
- Safety and Security, 601 W. Emerson (61) A2
- School of Business and Economics, McKenna (15) C2
- School of Education, Peterson (20) C3
- School of Health Sciences, Third Marston (37) C3
- School of Psychology, Family and Community, First Marston (37) C3
- School of Theology, First Alexander (1) D4
- Seattle Pacific Foundation, Upper Weter (28) B3
- Student Academic Services, DH 120 (8) B2
- Student Counseling Center, First Watson (40) C3
- Student Financial Services, DH 10 (8) B2
- Student Life, Second Floor SUB (24) D3
- Student Lockers, Lower SUB (24) D3
- Transfer Student Services, DH 120 (8) B2
- University Advancement, DH 220 (8) B2
- University Communications, Lower Weter (28) B3
- University Counseling Center, Lower Watson (40) C3
- University Relations, DH 253 (8) B2
- Weter Student Lounge, Main Level Weter (28) B3



Residence Halls/Apartments

- Ashton Hall (30) B5
- Bailey Apts. (56) D5
- Davis Apts. (32) D6
- Emerson Hall (57) B2
- Falcon Apts. (34) B2
- Falcon Duplex (35) B2
- Falcon Fourplex (63) B1
- Hill Hall (36) A3
- Moyer Hall (38) C3
- Robbins Apts. (39) D8
- 650 W. Bertona Apts. (70) A2
- 34 W. Cremona Apts. (31) F3
- The Wesley at Cremona (72) F4
- The Wesley at Dravus (73) F4
- 35 W. Cremona Apts. (59) F3
- 37 W. Dravus Apts. (59) E4
- 49 W. Dravus Apts. (60) E4
- 523 W. Dravus Apts. (69) B4
- 605 W. Emerson Apts. (62) A2
- 608 W. Emerson Apts. (66) A2

Directions to SPU

Coming from the north or south on I-5, take the N. 50th Street Exit (#169) marked "Seattle Pacific University." Turn west onto N. 50th and proceed to Fremont Avenue N. Turn left onto Fremont and cross the Fremont Bridge. Turn right immediately after the bridge onto Florentia Street. Go one block and turn right onto Nickerson Street. Continue on Nickerson to Third Avenue W. and turn left. You are now on campus. Remain on Third for three blocks, then turn right onto W. Dravus Street and right again into the tiered parking lot (#45 on the map).

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Application Materials



How to Apply

Use these checklists whether you're entering directly from high school or transferring from another institution. For more details about the transfer process, see SPU's brochure, "The Transfer Student Guide." Application forms are located on the following pages.

Once you've applied to Seattle Pacific University, what happens next? Turn the page for information about what you can expect.

Seattle Pacific University welcomes your application for admission.

Your application and each of your supporting credentials will be carefully reviewed. Since each applicant to SPU is evaluated on his or her individual merits, it is extremely important that these materials present a full and accurate record of your academic and personal qualifications.

Questions? If you need assistance in completing the admission application process, please call the Office of Admissions at (206) 281-2021 or (800) 366-3344 toll-free. If you have questions about financing your education, please call Student Financial Services at (206) 281-2061 or (800) 737-8826 toll-free.

Admission Checklist

Application Materials. Submit your application materials to the Office of Admissions, including:

- SPU Undergraduate Admission Application
- 2005-2006 Early Action Form (Submit this form with your application if you are applying under the Early Action Plan. Due December 1, 2005. See form for details.)
- \$45 Application Fee
- Academic Recommendation
- Personal Recommendation
- Essays (2)

Online Application. If you would like to apply online, visit our Web site at www.spu.edu.

Test Scores (high school students only). Request that official SAT I or ACT scores be sent to the Office of Admissions. Scores must be sent directly from SAT or ACT in order to be considered official, or they must be posted on your official high school transcript. **SPU's school code for the SAT is 4694; for the ACT, it is 4476.**

Transcripts. Request that official transcripts for all courses taken (high school and college) be sent to the Office of Admissions. For the transcripts to be considered official, they must be sent directly by the school to SPU in a sealed envelope. If any high school or college work is currently in progress, please ask your school to forward another transcript when the work is complete. For high school students, seventh-semester grades may be requested for admission and scholarship purposes.

Interviews. Interviews are not required for admission, but are strongly encouraged. To schedule an interview, call (206) 281-2021 or (800) 366-3344, or send a message to admissions@spu.edu.

Scholarships and Financial Aid Checklist

Scholarships. The SPU Undergraduate Admission Application is also your application for most SPU scholarships. Information provided in the section on "Involvement and Activities" is particularly important for determining scholarship eligibility. *You will automatically be considered for any scholarships for which you are eligible.*

Deadline for high school students (includes Running Start) entering Autumn 2006: You must submit a completed SPU application by March 1, 2006, to be considered for merit scholarships.

Deadline for transfer students entering Autumn 2006: You must submit a completed SPU application by April 1, 2006, to be considered for merit scholarships.

Fine Arts and Athletic Scholarships. Auditions are required for fine arts scholarships. You may request an application by calling (206) 281-2205. For information about athletic scholarships, call (206) 281-2085.

Financial Aid. To apply for need-based financial aid, you must submit the Free Application for Federal Student Aid (FAFSA). Go to www.fafsa.ed.gov for an online FAFSA application. Paper applications are also available from your high school guidance office or college financial aid office. If final tax information is not available when you are submitting the FAFSA, you're encouraged to provide estimates. Don't wait! The earlier you apply for financial aid, the better the financial aid offer you can expect. **SPU's school code for the FAFSA is 003788.**

Deadline for high school students (includes Running Start) entering Autumn 2006: To be eligible for the maximum amount of financial aid, you must submit the FAFSA as soon as possible after January 1, 2006, and submit a completed SPU application by March 1, 2006.

Deadline for transfer students entering Autumn 2006: To be eligible for the maximum amount of financial aid, you must submit the FAFSA as soon as possible after January 1, 2006, and submit a completed SPU application by April 1, 2006.



2006-2007 Early Action Form

If Seattle Pacific University is your first choice, we invite you to apply under the Early Action Plan. **This Early Action Form, along with the completed Undergraduate Admission Application, must be postmarked by December 1, 2005.**

Early Action students receive priority consideration in financial aid, scholarships and housing assignments, provided they meet financial aid and housing deadlines. **The Early Action Plan is a non-binding agreement.**

The \$200 advance payment must be received in the Office of Admissions no later than May 1, 2006.

Request for Early Action Status

Seattle Pacific University is my first choice, and I intend to enroll as a student beginning Autumn Quarter 2006. I request Early Action status when my application for admission is considered.

Signature _____ Date _____

Please type or print.

Name _____

Address _____

City _____ State _____ Zip _____

Social Security Number _____

Return this form with the Undergraduate Admission Application and \$45 application fee by December 1, 2005.

Mail it to:

Jennifer M. Kenney, Director of Undergraduate Admissions
Seattle Pacific University
3307 Third Avenue West, Suite 115
Seattle, Washington 98119-1922
Fax: (206) 281-2544

After You Apply: What You Can Expect From SPU

Admission Decision. The SPU Admissions Committee will begin considering applications for Autumn Quarter 2006 after December 1, 2005. Admission decisions will be announced in January 2006 (for Early Action applicants) and March and April 2006 (for all other applicants). If an interview is required, you will be contacted by phone.

Admission Wait-List. Some students may be placed on a wait-list and admitted on a space-available basis.

Scholarship Announcements. The SPU Scholarship Committee will begin announcing scholarships for Autumn Quarter 2006 in mid-January 2006 and continue the announcements on a biweekly basis as long as funds are available. *Students must be admitted to SPU before they can receive any scholarships.*

Need-Based Financial Aid Awards. SPU will send out need-based financial aid awards for Autumn Quarter 2006 beginning in mid-March 2006. *Students must be admitted to SPU before they can receive a financial aid package.*

After You're Admitted: The Steps to Enroll

Admission Packet. Once you have been admitted to SPU, you will receive a packet of information with everything that you need to enroll. Besides your letter of admission, the packet will include information about housing, advising, registration and New Student Orientation.

Housing Information. Review the housing information flyer included in your Admission Packet. It will give you instructions about applying for housing.

Medical History Form. Complete and return the confidential Medical History Form found in your Admission Packet.

Decision to Enroll/Advance Payment. Indicate your decision to enroll at SPU by sending your \$200 advance payment to the Office of Admissions. Advance payments for students entering Autumn Quarter 2006 are due on May 1, 2006, the National Candidates' Reply Date.

Early Registration. Reserve a place at one of SPU's early advising and registration events called New student Advising and Registration Program. Held between May and September at on- and off-campus sites, these one-day events allow you to meet with an advisor and take care of "business" before arriving at SPU for New Student Orientation.

New Student Orientation. Plan to attend New Student Orientation, a four-day introduction to life at SPU, immediately preceding the first day of Autumn Quarter classes.



Undergraduate Admission Application

This form, along with school transcripts, SAT or ACT scores, essays, and academic and personal recommendations will be considered when evaluating your application to Seattle Pacific University. The information provided will also be used to determine scholarship eligibility. In order to give us an accurate picture of your academic and personal qualifications, please respond clearly and completely to each of the following questions. Attach additional pages if necessary.

For the most timely response, SPU recommends that you submit all application materials in one packet.

Please type or print. (This application must be completed by the student.)

Quarter/year applying for Autumn (Deadline: June 1) Winter (Deadline: Nov. 15) Spring (Deadline: Feb. 15) Summer (Deadline: May 15)

Status applying for Freshman College Transfer

Have you requested admission information from SPU in the past? Yes No

Have you applied to SPU before? Yes No If yes, when? Quarter _____ Year _____ Were you admitted? Yes No

If you were previously admitted, did you enroll in classes? Yes No When did you last attend? _____

personal information

1. Name _____
Last First Middle Preferred Name Former Name

2. Sex Male Female

3. Present Address _____
Number and Street City State Zip Code Country
Daytime Phone (_____) _____ Evening Phone (_____) _____

How long will you receive mail at this address? Until _____ Your Email Address _____
Mo / Day / Yr

4. Permanent Address _____
Number and Street City State Zip Code Country
Phone (_____) _____ Mobile Phone (_____) _____

5. Social Security No. ____ / ____ / ____ 6. Birth Date _____ 7. Birthplace _____
Mo / Day / Yr

8. Country of Citizenship _____ Current Visa Type _____ Are you a resident alien? Yes No
Is English your first language? (Optional) Yes No Resident Alien No. A- _____

In what other languages are you fluent? (Optional) _____

9. (Optional) How would you describe yourself? (Please check.)
 American Indian African American Hispanic American Hawaiian/Pacific Islander
(Please specify origin.) _____ Multiracial
 Alaskan Native Caucasian/White Asian American Other
(Please specify origin.) _____ Other
(Please specify origin.) _____

10. (Optional) Name of Church You Attend _____ Denomination _____
Address _____
Number and Street City State Zip Code
Phone (_____) _____

11. Have you ever been convicted of a crime? Yes No
If yes, please explain. _____

family information

Note: Adult learners (24 years of age or married) do not need to complete this section, unless it applies.

12. Father or Legal Guardian

Name _____ Living? Yes No

Address _____
Number and Street City State Zip Code Country

Phone (_____) _____ Email _____

Father's Occupation _____ Employer _____

Colleges Attended by Father _____

Degrees Earned _____

If your father is an alumnus of SPU, please indicate year of graduation: _____

13. Mother or Legal Guardian

Name _____ Living? Yes No

Address _____
Number and Street City State Zip Code Country

Phone (_____) _____ Email _____

Mother's Occupation _____ Employer _____

Colleges Attended by Mother _____

Degrees Earned _____

If your mother is an alumna of SPU, please indicate year of graduation: _____

14. Check here if one or both of your parents is a full-time, ordained, practicing Christian minister or missionary. Yes No
 (Optional: This information determines eligibility for ministerial scholarships and will not be used for admission purposes.)

15. Brothers and Sisters in High School

<small>Name</small> _____	<small>Year of H.S. Graduation</small> _____	<small>Name</small> _____	<small>Year of H.S. Graduation</small> _____
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16. Family Members Currently Attending SPU

<small>Name</small> _____	<small>Name</small> _____
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17. (Optional) Are you the first person in your immediate family to attend college? Yes No

educational plan

18. Intended Major _____

If undecided, what subject area or career interests you? _____

19. (Optional) Please list each of the colleges and universities to which you are applying.

1. _____ <small>School City State</small>	2. _____ <small>School City State</small>	3. _____ <small>School City State</small>
--	--	--

educational background

20. When will (or did) you graduate from high school? _____
Mo / Yr

21. Do you have a GED? Yes No

22. Are you a homeschooled student? Yes No

23. Have you taken the SAT I or ACT? Yes No Test Date _____ Scores: _____ SAT: _____ ACT: _____
V M Composite
 Did you take the SAT I or ACT twice? Yes No Test Date _____ Scores: _____ SAT: _____ ACT: _____
V M Composite

24. (Freshman Applicants) Please list all the courses you are taking in your senior year. Please note whether any are Advanced Placement, International Baccalaureate, or honors courses.

1. _____	4. _____	7. _____
2. _____	5. _____	8. _____
3. _____	6. _____	9. _____

25. (Freshman Applicants) Have you ever been enrolled in a college or university course for which you also received high school credit? Yes No
 If so, at which college or university have you been enrolled? _____
 Are you participating in the Washington State Running Start Program? Yes No

26. List all high schools, colleges, universities, and post-secondary institutions you have attended. (Please give full names.) *You are required to send official transcripts from each institution, even if you do not expect to transfer credit.*

Name of High School	City, State	Dates of Attendance		
_____	_____	_____		
_____	_____	_____		
_____	_____	_____		
Name of College, University, or Post-Secondary School	City, State	Dates of Attendance	Approx. # of Credits Earned	Degrees Earned
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

27. (Transfer Students) Are you a member of the Phi Theta Kappa Honor Society? Yes No

28. Will you be applying for a scholarship with ROTC? Yes No

29. If you are not currently in school, please describe your activities (e.g., work, travel, community service, etc.) since you were last enrolled. _____

additional information

30. Do you plan to apply for financial assistance? Yes No
 If yes, the Free Application for Federal Student Aid (FAFSA) was/will be filed on: _____
Date

31. Preference for Living Arrangements On Campus Off Campus
Note: Unmarried students under 20 years of age on October 1 must live on campus, unless they are living with parents or relatives and have been approved to live off campus by the Office of Student Life.

32. In which of the following would you like to participate? (Check as many as apply.)

<input type="checkbox"/> Band	<input type="checkbox"/> Theatre	<input type="checkbox"/> Campus/Urban Ministry	<input type="checkbox"/> Student Publications	<input type="checkbox"/> Multicultural Programs
<input type="checkbox"/> Choir	<input type="checkbox"/> Visual Art	<input type="checkbox"/> International Missions	<input type="checkbox"/> Student Leadership	<input type="checkbox"/> Intramural Sports
<input type="checkbox"/> Orchestra	<input type="checkbox"/> Debate	<input type="checkbox"/> Honors Programs	<input type="checkbox"/> Study Abroad	<input type="checkbox"/> NCAA Athletics

Specify sport(s)

33. Have you visited the SPU campus? Yes No
 If yes, what was the occasion?
 Personally Arranged Visit Senior Preview/Campus Preview Other Campus Event (Please name.) _____

34. How did you hear about Seattle Pacific University?

35. Was there a particular person(s) who influenced your decision to apply (SPU faculty or staff member, current student, alum)?

36. What was the most important factor in your decision to apply for admission?

involvement and activities

Please describe all high school/college, church, community, or professional activities in which you have participated over the last four years. **This information provides an understanding of your participation in leadership and service and is used to determine scholarship eligibility.** Attach additional pages if necessary.

	# of Hours Per Week	Years of Involvement
37. High School/College Activities		
38. Church Activities/Involvement		
39. Leadership Positions Held		
40. Community Service Activities		
41. Professional/Employment Activities		
42. Honors/Awards/Recognitions/Other		

personal essays

Please read the statement describing "SPU: A Premier Christian University" on the following page and thoughtfully respond to the questions below. Your answers will provide us with a more personal assessment of you and how you might benefit from an education at SPU. Answer the questions concisely and in your own words. **Please type essays. All three essays must be answered.**

- 43.** The application process is your opportunity to help us better understand your qualifications for admission to Seattle Pacific University. Please introduce yourself to us in a personal statement (minimum 300 words). You can also use this statement to explain any inconsistencies in your application.
- 44.** Seattle Pacific University is a Christian university, and while we don't require a profession of Christian faith for admission, we seek to admit students who will best succeed in and benefit from a Christian learning environment. Please describe your own religious beliefs and why you believe that SPU is a fit for you.
- 45.** Seattle Pacific University has a clear purpose: to equip graduates who have the competence, character, and courage to engage the culture and change the world. Please respond to this statement of SPU's purpose by choosing one of the following essay questions to answer.

Describe occasions when you have engaged the culture around you.
 or
 Describe your background and the cultural influences that have shaped who you are today. (Cultural influences may include where you are from, your family, your ethnic background, your life experiences, etc.)

agreement

I certify that the information I have provided in my application for admission to Seattle Pacific University is true, complete, and accurate. Further, I am aware of the standards and expectations for student conduct outlined on the following page and on pages 32-35 of the SPU Undergraduate Catalog. If admitted to Seattle Pacific, I agree to abide by and support these standards and values.

Signature _____ Date _____

SPU requires the following materials before a decision about your application can be made:

- Undergraduate Admission Application
 (application form, personal essays,
 \$45 application fee, Early Action form if applicable)
 - Official Scholastic Aptitude Test (SAT I) or
 American College Test (ACT) Scores (if required)
 - Academic Recommendation
 - Personal Recommendation
 - Official High School or College Transcript.....
- Please enclose your \$45 application fee with your application materials and mail to:*

Jennifer M. Kenney, Director of Undergraduate Admissions
 Seattle Pacific University
 3307 Third Avenue West, Suite 115
 Seattle, Washington 98119-1922

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 VP for Academic Affairs/Dean of Student Life (206) 281-2123 Room 209, Student Union Building Seattle Pacific University 3307 Third Avenue West, Suite 212 Seattle, Washington 98119-1950	Executive Director of Human Resources (206) 281-2809 330 West Nickerson Street Seattle Pacific University 3307 Third Avenue West, Suite 302 Seattle, Washington 98119-1957	Executive Director of Human Resources (206) 281-2809 Campus Location: 330 West Nickerson Street Seattle Pacific University 3307 Third Avenue West, Suite 302 Seattle, Washington 98119-1957
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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 Grievance Procedures may be obtained from the above designated individuals, the Office of Student Life, or the Office of Human Resources. Copies of the Grievance Procedures are also posted on the University's Web site at www.spu.edu.

Crime Statistics. A report containing institutional security policies and campus crime statistics is available from the Office of Safety and Security, (206) 281-2922. This report contains information on the Campus Security Department, reporting emergencies, steps for personal safety, and policies regarding substance abuse. This information may also be obtained through the SPU Web site at www.spu.edu/depts/security/.



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.



Academic Recommendation

To be completed by applicant:

Note to Applicant: An Academic Recommendation is a required part of your application for admission. *This recommendation should be completed by a high school teacher, counselor or official; or a college advisor or official. Adult learners should select someone to complete this recommendation who is familiar with your academic record and/or goals. This recommendation may not be completed by a family member or the same person who completes your Personal Recommendation.*

Please type or print.

Applicant's Name _____ Social Security Number _____

Address _____
Number and Street City State Zip Code

Please check if you wish to waive your right under the Family Educational Rights and Privacy Act of 1974 to access this recommendation.

To be completed by respondent:

Note to Respondent: The above student is applying for admission to Seattle Pacific University. We value your comments and ask that you provide a full and candid report so that fair consideration may be given to the applicant. The student has access to his/her file, which will include your recommendation (unless he/she has waived that right above). This provision is made in accordance with the Family Educational Rights and Privacy Act of 1974.

Your recommendation is a significant part of the student's application for admission. The student *cannot be considered for admission to SPU without this recommendation.*

Please type or print.

1. How long have you known the applicant? _____

2. In what context have you known the applicant? _____

3. Academic Performance
How would you rate this student in the following areas?

	Outstanding (Top 10%)	Good	Average	Below Average
Motivation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Self-Discipline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Creativity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
College Preparedness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Character and Personal Qualities
How would you rate this student in the following areas?

	Outstanding (Top 10%)	Good	Average	Below Average
Leadership	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Self-Confidence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concern for Others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal Initiative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Seattle Pacific University seeks to admit academically qualified students who desire a challenging and distinctly Christian education in the liberal arts, sciences, and professions. Please write a summary appraisal of the applicant's qualifications for admission and potential for success at SPU. What talents and strengths would enable this student to succeed at Seattle Pacific? Are there any academic or personal traits that might hinder the applicant's success? Please explain.

6. I recommend this applicant for admission:

	With Enthusiasm	Strongly	Fairly Strongly	Without Enthusiasm	Not Recommended
For Academic Promise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For Character and Personal Promise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For Leadership Potential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Recommendation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name (Please print.) _____ Date _____

Signature _____ Position _____

High School/College/Organization _____

Address _____
Number and Street City State Zip Code

Phone (____) _____ SPU Alum Class of _____

Email _____

Please return to:

Jennifer M. Kenney, Director of Undergraduate Admissions
 Seattle Pacific University
 3307 Third Avenue West, Suite 115
 Seattle, Washington 98119-1922

Fax: (206) 281-2544



Personal Recommendation

To be completed by applicant:

Note to Applicant: A Personal Recommendation is a required part of your application for admission. *This recommendation should be completed by a minister, youth worker, employer, or professional associate who is familiar with your character and values. It should not be completed by a relative or the same person who completes your Academic Recommendation.*

Please type or print.

Applicant's Name _____ Social Security Number _____

Address _____
Number and Street City State Zip Code

Please check if you wish to waive your right under the Family Educational Rights and Privacy Act of 1974 to access this recommendation.

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Your recommendation is a significant part of the student's application for admission. The student *cannot be considered for admission to SPU without this recommendation.*

Please type or print.

1. How long have you known the applicant? _____

2. In what context have you known the applicant? _____

3. Character and Personal Qualities
 How would you rate this student in the following areas?

	Outstanding (Top 10%)	Good	Average	Below Average
Leadership	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Self-Confidence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concern for Others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal Initiative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. It is our intent to admit students who will succeed in and benefit from a Christian environment, although a profession of Christian faith is not necessary for admission to Seattle Pacific University. How would you describe this applicant's understanding of and/or commitment to the Christian faith? How is this manifested in the church and community?

5. Seattle Pacific University seeks to admit academically qualified students who desire a challenging and distinctly Christian education

in the liberal arts, sciences, and professions. Please write a summary appraisal of the applicant's qualifications for admission and potential for success at SPU. What talents and strengths would enable this student to succeed at Seattle Pacific? Are there any academic or personal traits that might hinder the applicant's success? Please explain.

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6. I recommend this applicant for admission:

	With Enthusiasm	Strongly	Fairly Strongly	Without Enthusiasm	Not Recommended
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For Character and Personal Promise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For Leadership Potential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Recommendation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name (Please print.) _____ Date _____

Signature _____ Position _____

Church/Organization _____

Address _____
Number and Street City State Zip Code

Phone (____) _____ SPU Alum Class of _____

Email _____

Please return to:

Jennifer M. Kenney, Director of Undergraduate Admissions
 Seattle Pacific University
 3307 Third Avenue West, Suite 115
 Seattle, Washington 98119-1922
 Fax: (206) 281-2544

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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 (206) 281-2123
 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 (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 Grievance Procedures may be obtained from the above designated individuals; the Office of Student Life; or the Office of Human Resources. Copies of the grievance procedures are also posted on the University's Web site at www.spu.edu.

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.



Seattle
Pacific
UNIVERSITY

Engaging the culture,
changing the world.

3307 Third Avenue West
Seattle, WA 98119
(206) 281-2000
(800) 366-3344
www.spu.edu

