## Seattle Pacific University Catalog 1995-1996

Seattle Pacific University

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SEATTLE PACIFIC UNIVERSITY

## TELEPHONE REFERENCE GUIDE FOR SPU

For questions about:
General I Information
General Information ........................................................... Desk 281-2050 General University FAX Application Process
Registration Dates...
Registration Dates.....................
Admissions and Registration FAX.


Financial Aid.....
Academic Programs
Office of Academic Affairs.
College of Arts and Sciences
College of Arts and Sciences ......
School of Business and Economics
School of Education.
School of Health Sciences
Career Planning.
Evening/Weekend Classes Student Government
Spiritual Activities.
Upcoming Events ....

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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. We offer hese hints to help you quickly find what you want:
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.
Course descriptions are listed within each school or department section of the Catalog (i.e. business courses in the School of Business, English courses in the Department of English, etc.).
. We'd be happy to answer any further questions you may have about Seattle Pacific University. Call toll free at 1-800-366-3344.

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

## About Seattle Pacific University

"As a community of learners, Seattle Pacific University seeks to educate and prepare students or service and leadership. We are committed to evangelical Christian faith and values, and to excellence in teaching and scholarship for the intellectual, personal and spiritual growth of students."

Mission Statement Seattle Pacific University

If you're looking for an education which blends classic heholarship with meaningful applications in a changing world, Sealla flowish Chist is an excellent choice. and professions serving more than 3,400 students. Its campus is located in a residential neighborhood just minutes from downtown Seattle, the business and cultural heart of th Northwest.
Fully aco
ully accredited, Seattle Pacific's academic disciplines set very high standards for students. Undergraduate sudents are recognized locally and nationally for the quality of their scholarship. Small classes mean students actively participate in their own education, gaining the confidence to achieve their goals. And the University's clear Christian commitment gives epth and perspective to classroom learning, balancing Complementing the academic program is the University's emphasis on service. Beginning with freshman orientation, SPU students act upon their faith in local service agencies and round the world.
A degree from SPU means something special. It not only people of integrity. This combinatition is a powerful one that pens doors to further study, a challenging career and world service.
Defining Our Christian Mission In the beginning, God called His creation good. Because of this, he universe, our societies, our cultures and our lives. This is our ultimate purpose as an evangelical Christian university. However, although God called His creation good, human beings have usurped His authority by attempting to take control h has become broken an Yet Go
Yet God, in His infinite love, seeks to restore human beings Jesus Christ to show us how we chould live By dying Christ aid the price of our wrong-doing and offers a loving orgiveness. His bodily resurrection guarantees our ultimate ictory over sin and death. His Holy Spirit fills us with the power o love. And, He will return to complete history.


Our response to God's love is gratitude and joy. Care and meaning. Through acts of caring we learn by following Christ's example that to lead is to serve.
Students and faculty are challenged to follow this example
by by developing a scholar's mind while turning their classroom knowledge into acts of service in the world. He scholar-servant
then becomes a living example of Christian leadership -at home, on the job and in the world community. Leading through serving becomes the ultimate life-product of all who seek to follow in Christ's footsteps.
In affirming the great tenets of the Christian faith, Seattle
Pacific stands unequivocally for 1 ) the deity of Pacific stands unequivocally for (1) the deity of Christ, (2) the inspiration and authority of the old and New Testaments, ( 3 )
the need and efficacy of the atonement, (4) the new birth as a the need and eficcacy of the atonement, (4) the new birth as
divine work carried out in the repentant heart by the Holy Spirit, (5) the necessity and glorious possibility for the Spirit-
filled Christian to live a life of victory over sin, and (6) the filled Christian to live a life of victory verer sin, and (6) the
personal return of the Lord Jesus Christ. personal return of the Lord Jesus Christ.
We use the phrase "spiritual formation" to describe We use the phrase "spiritual formation" to describe
everything Seattle Pacific does intentionally - in and out of the classroom - to encourage members of the University commu-
nity to make faith in Christ the authentic center of their lives. nity to make faith in Christ the authentic center of their lives.
This transforming and developmental process enables Christian This transforming and developmental process enables Christian
growth and maturity by promoting the spiritual disciplines; growth and maturity by promoting the spiritual disciplines;
fostering spiritual mentoring: modeling a community of love, fostering spiritual mentoring: modeling a community of lo
justice reconciliation, support, authenticity and civility encouraging an informed and thoughtful faith; and cultivating and advancing faith through service.

## Becoming Scholars and Servants

The emphasis on scholarship and service at Seattle Paciific
University enables each student to prepare for balanced University enables each student to prepare for a balanced, creative and productive life.
Specifically, SPU seeks Specifically, SPU seeks to help students achieve the following
goals

1. Growth toward mature Christian faith
2. Maturing intellectual, social, spiritual and emotional
3. Specialized learning, built on a foundation in liberal
learning.
4. Skills in reasoning, judgment and communication. 5. Synthesis of academic knowledge, Christian values and personal behavior.
5. Aesthetic appreciation and creative expression.
6. Attiudes contributing to bodily fitness.
7. Attitudes contributing to bodily fitness.
8. Awareness of personal purpose with unique, creative
self-expression.
9. Development of competency in the context of Christian vocation.
10. Commitment to lifelong learning

Seattle and the Pacific Northwest Few Christian universities can claim the natural and cultural Few Christian universities can claim the natural and
advantages of one of America's "Most Livable Cities." A gateway to Canada and the Pacific rim, Seattle is virtually surrounded by water. Seagulls, bridges and ferryboats are part of everyday life. Bordered on two sides by mountains, Seattle offers easy access to a wide variety of outdoor recreation such as
skiing hiking and camping. SPU's own campuses on Blakely sking, hiking and camping. SPU's own campuses on Blakely
and Whidbey Islands are not only ideal for studies in the sciences -they're great getaways as well.
There's no limit to discovery when you live and study in the
cultural heart of the Northwest Seatle's world class fie cultural heart of the Northwest. Seattle's world class fine arts
include opera, theatre, symphony and ballet, as well as numerous art museums. Athletics is a vital part of the city, too

Seattle is home to three major league sports franchises: the eattle SuperSonics (baskeb Marinerrs (baseball).
combest way to master a subication with practical experience he best way to master a subject - and Seattle's urban program, many students work 10 to 20 hours per week for rganizations such as Boeing, Microsoft, KIRO TV, the Empty Space Theatre and the Fred Huthinson Cancer Research
ou'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 Paciific University. Located in a quier residential neighborhood, SPU's clampus is park-like and
reminiscent of an earlier age. Yet this classic setting is only a few minutes from the bustling, cosmopolitan city center.
College students agree that a campus visit is the best way to discover if a university is a good match. So we make it easy.
A visit includes transportation to and from commercial A visit includes transportation to and from commercial for parents. Meals on campus are provided, as are complete campus and city tours.
There are several opportunities for students to schedule isit:
Campus Preview. Campus Preview offers prospective tudents 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, live in the residence halls, and take part in information workshops and athletic/social events. SPU Fridays. On special SPU Fridays, small groups of prospective students rect
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, simply give us call at (206) 281-2021 or 1-800-366-3344 toll free. We'll take care of the details.


## UNIVERSITY CALENDAR 1995-96

Autumn Quarter 1995
…........................................................................................ Mon. September 4
First Payment Due on (and last day to apply for) the 3 Month Payment Plan ..................................................Tues. September 5 Registration ................................................................................................................................ Mon. September 25 Class Instruction Begins ............................................................................................................. Tues. September 26 Last Day to Register or Add Courses*, to Register without Late Fee, or to Apply for Audit ................................................ Thurs. October 2
Second Payment Due on the 3 Month Payment Plan. Last Day to Apply for Pass/No Credit and Independent Stur Mon. October 9 Third Payment Due on the 3 Month Payment Plan Mon. November 6 Last Day to Withdraw from Courses Mon. November 6

Winter Registration for New Admits Begins
Thanksgiving Recess Begins (with last class)
Evening Classes End ..................
Last Day for Final Examinations. Wed. November 15 Wed. November 15

Winter Quarter 1996
First Payment Due on (and last day to apply for) the 3 Month Payment Plan .. Thurs. December 7

Class Instruction Begins .................................
Fri. December 8

Last Day to Register or Add Courses*, to Register without Late Fee, or to Apply for Audit
Holiday, Martin Luther King's Birthday**
Last Day to Apply for Pass/No Credit and Independent Study
Third Payment Due on the 3 Month Payment Plan
Spring Registration for Admitted Students Currently in Attendance.............................
Last Day to Withdraw from Courses
Holiday, President's Day**.....................
Spring Registration for New Admits Begins

Spring Registration for Graduate and Non-Admitted Students Begins ............................................................................................................................................ 26
Evening Classes End
Last Day for Final Examinations ............................................................................................................................................................................................................................ 15


## Spring Quarter 1996

First Payment Due on (and last day to apply for) the 3 Month Payment Plan
Class Instruction Begins ................................................................................... Tues. March 5
 Second Paymen wue on the Fri. March 29 Lalf Day to Apply for Pass/ No Pass Credit and Independent Study .Fri. April 5
Last Day to Withd Good Friday ... .. Fri. April 5
 .......Fri. May 3

Autumn Registration for Admitted Students Currently in Attendance Begins Tues. May 7
 Sat. May 11
Holiday, Memorial Day Mon. May 20 Hoiiday, Memorial Day Tues. June 4

Commencement.................... Sat. June 8

Summer Session 1996
Pre-Session Begins ..............
First Four-Week Session Begin Mon. June 10


*Evening/Weekend students may register tbrough the first class session. Late registration may be allowed tbrough the second class session with the instructor's permission. However, late fees will be charged if registration occurs after the first week of the instructional quarter.
**Monday evening classes will meet on Martin Lutber King's Birtbday


## General

Information

## ACCREDITATION AND AFFILIATION

The history of the growth of SPU is linked to the educational community of which it is a part. In successive steps from 192 to 1937, the University was accredited by the Washington State 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 association and by leading graduate schools throughout the country. SPU 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 on Colleges for feacher of Education for preparation of elementary and secondary
eachers.
The dietetics specialization in the food and nutritional ciences program has been glanted approval by the America Education Accreditation/Approval a specialized accreditit body recognized by the Council on Postsecondary Accredititation and the United States Department of Education. This means a graduate of SPU with dietetic specialization is eligible to apply for a dieteticic internship in another institution. Atter the dictetic internship taken elsewhere, the student is "RD Eligible." The tudent can then take the registration exian.
The undergraduate nursing curriculum is accredited by the Washington State Nursing Care Quality Assurance Commissio and both the undergraduate and graduate programs are accredited by the National League for Nursing.
SPU is a full member of the National Associa

Association of School
Music.
ngineering Accresineering program is accredited by the Board for Engineering and Technology
Seattle Pacific meets the requirements Seattle Pacific meets the requirements of the Comm reparation of ministers and missionaries and is also appoos preparation of ministers and missionaries and is also approved Church and other denominations for the collegiate preparation of ministers.
The University is a member of the American Assembly of Collegiate Schools of Business. The University is a memb he Western Association of Graduate Schools and of the approved by the United States Government for education of veterans and their dependents under the applicable public laws.

## OUR RESOURCES FOR LEARNING

Seattle Pacific University students enjoy aesthetically pleasing physical learning spaces. Spread over the 35 -acre Seattle campus, the buildings, recognized by their traditional brick or modern faces, are better known for the many ways in which
they meet the student's educational needs.

## The Library

Completed in 1994, the Library is a spacious four-level facility that serves as the center for academic endeavors outside the classom. It provides collections, services, technology, and space for stuay and research, win approximately 200,000 The collectionged on be 4000 easy access $t 0$ reade The collection grows by some 4,000 new titles each year, expanding microfiche collection numbering more than 300,000 items. The collection is accessible on-line in the library and through the campus computer network via its automated catalog. In addition, fundamental library yrocesses of circulation, reserves, acquisitions, cataloging and seria automation system. Microfilm and microfiche reader-printers, low-cost duplicating facilities and audiovisual listening and viewing stations are available as well.
In adddition to standard reference resources, over 20 subjectspecific CD-ROM databases are accessible through a local area newwork. whr suppor from a m rarian, more entinal Se and the Datatimes newspaper service are accessible via satellite connection.

An interlibrary borrowing service is available to students, Iaculty and staff. As a member of OCLC (On-line Computer Learning Resources Center can provide access to library holdings throughout the Northwest, across the nation and beyond. In addition, students have library borrowing privileges at Seattle University, Northwest College, Pacific Lutheran University, St. Martin's College and the C University of Puget Sound through a cooperative agreement. Graduate students are Washington.

## Student Computer Lab

The student computer labs are located in five buildings across campus. Some of the computer labs are highly specialized fo specitic 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, electronic mail, gopher, World Wide Web and other
Library: There are three computer labs in the Library: two instructional - one with 19 MS-Windows computers, one with 12 Macintosh computers, and an open lab with 14 MS-Windows and 14 PowerMacintosh computers. The Library also has a number of terminals for library catalog searches and 12 Miller Science Learning Center: There are three computer labs in the Miller Science Learning Center. A open lab has 32 MS-Windows computers and 16 terminals, the

Electrical Engineering Design lab has 8 workstations and th 10 MS-Windows comp "Computer Aided Engineering" lab h Writing Lab: The Humanities Writing Lab contains 4 MSWindows computers for instruction and support of basic writin skills.
Music Keyboard Lab: The music lab contains 8 high-en Macintosh computers attached to MIDI keyboards.
Ms-Windows and Macintosh computers dedicated to multime dia programming, computer graphics, desktop publishing, desktop video and Internet access.

## Internet Access

On-campus network connectivity and access to the Internet (part of the information highway) is available throughout
campus. Most students, faculy and staff use electronic mai other electronic communication tools. Access to campus resources and databases through gopher and the World Wide Web is wide spread. The Internet also provides access to ibraries, databases and information resources throughout the world. Nearly all faculty are provided late model computers and
high speed network connections. Students can get access to the high speed network connections. Students can get access to
nternet from off-campus (via modem connections), from student computer labs, or from their residence hall rooms.

## Audiovisual Resources

The Archer Instructional Media Center is responsible for th sirculation of audiovisual equipment, media production, multimedia laboratory Circulating equipment includes video camcorders; video players; video, slide, film, and opaque projectors; 16 mm projectors; and audio cassette recorders and layers. Multimedia lab equipment includes MS-Windows and Macintosh computers, CD -ROM units, scanners, video digitizers,

Technology Services in the Residence Halls All of the campus residence halls units are provided a full compliment of technology resources that include: networ connections to the local campus computers and the internet, services.

Technology Instruction and Assistance The use of computers and networked resources is an important part of the academic program at SPU. Assistance in learning
how to use these resources is available in many forms A 40page booklet "SPUnet Systems and Internet User Guide" distributed to students, there are many training sessions offered for help in using the campus resources, student assista Information Systems provides a central computer HelpDesk.

## 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 encourraged to purchase their own computer, SPU supports both
Windows and Apple Macintosh computers in our sudent lab environiments and the residence halls. The choice of computers and software is left to the individual student.

## THE FRESHMAN YEAR AND Freshman Core

Students who are making the transition from high school to university often ind it more difficult than they had anticipated. The Director of Freshman Year works with the Office of Student adjustment. Faculty advisors work with freshman students to help them develop and refine their academic goals and choose appropriate courses to meet those goals.
A special Freshman Convocation officially welcomes the incoming freshman class, and Frosh Chapels throughout th their calling as Christian teachers and scholars. The freshman CORE, which stands for Community Orientation, Relationships through Education, is an academic enhancement program that provides students an opportunity to make the most of their first year by enrolling in a CORE group that stays together in at least one course each quarter. CORE
faculty members work together to identify common themes in coursework and to design additional educational, cultural, and social activities that help students apply their learning to other courses and to their own experience. Courses in the CORE program are chosen to meet foundation and general education requirements and provide guranteed placement in high demand courses.
Further information about freshman programs or CORE can be obtained by contacting Dr. Joyce Quiring Erickson, Director
of Freshman Year, Seattle Pacific University, Seatlle, WA 98119 (206) 281-2189)

## COALITION, <br> CONSORTIUM AND Other Special STUDY PROGRAMS

Seattle Pacific University is a member of the Coalition of Christian Colleges and Universities and Christian College Consortium. The purpose of these organizations is to provid cooperative programs with other member institutions which can contribute to a broader world view of society in higher education.
The main services for students provided by the Coalition of programs -- American Studies in Washington D.C., Latin American Studies in San Jose, Costa Rica, and Film Studies in Hollywood, CA. Based on the principle of integrating faith with learning and living, these full-term residential experiences combine an internsh
Students may also elect to attend one of the other twelve 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 Colleg (st. Paull), George Houghton Coillege Malege, Gordon College, Messiah College Taylor University, Trinity College, Westmont College, and

Wheaton College. Applications should be filed throug
the office of Acdemic Advising the fice of Acacemic Advising.
Visitor Program of intensive inter dimn semester Consortium juniors and seniors in the Southern Oregon Cascade Mour tains. It provides students an opportunity to grapple seriously with ideas, Christian commitment and life together in a community of five faculty and 30 students. Fifteen credits are granted through Houghton College. Any qualified student $m$ tium Visitor Program.
The Christian College Consortium also sponsors a study program at Daystar University College in Nairobi, Kenya.
Programs of study include communications, business Programs of study include communications, business administration and management, education, community development, and Bible and Christian ministries. All instruc-
tion is in the English language offered by a faculty composed primarily of African nationals. Admission to Daystar is limited o Consorttium students in their junior or senior years.
In addition to the above-noted Coalition or Consortium programs, other opportunities for off-campus study are Technology in New York Fashion Institites, Fashion Institute of Marketing in Los Angeles, Han Nam University in Korea and special summer study programs. A list of available programs and the contact for each follows

- American Studies Program (Washington DC)
- Latin American Studies Program (Costa Rica)

Reed Davis, Political Science Department

- Daystar University College (Nairobi, Kenya)

Reed Davis, Political Science Department

- Los Angeles Film Studies Program
- Oregon Extension Program

Registration and Records

- Han Nam University (Korea)

Soong Sil University (Korea)

- Brian Bosse, Office of Student Li
- European Studies Program
- Fashion Institute of Technology FIT (New York)

Stella Warnick, Family Consumer Sciences Department

- Fashion Institute of Design and Marketing FIDM (LA)
- Sandra Hartie, Family Consumer Sciences Department
- Costa Rica Nursing Program
- Taiwan Nursing Program

Annalee Oakes, School of Health Scienc

- Salamanca Program (Spain)

Alberto Ferreiro, History Departmen
Registration and Records

## ACCESS PROGRAM

since 1977 the ACCESS program has been offered to students who would benefit from additional personal and academic upport during their first year at SPU. This program provides personalized academic advising, priority registration, tutoring and mid-quarter class assessments. Additionally, students course expectations and to clarify educational and professiona goals. Participation in the ACCESS program may be an expectation for some students upon admission or may be a \$250. Ouestions about the program can be directed to the Center for Special Populations.

## ACADEMIC <br> SCHEDULE

SPU uses a quarter calendar which runs over three quarters (autumn, winter, spring), each consisting of 10 weeks of instruction. Classes begin at 8 am. on days of instruction and are generally arranged in 50 -minute periods. Except during summer session, there is an interval of 10 minutes between week at $10 \mathrm{a} . \mathrm{m}$. SPU also offers a variety of evening, weekend, and summer classes as well as distance learning opportunities. Most summer courses take place over two four-week sessions and vary from traditional classes in length and structure. For more information on evening, weekend, summer and distance which follows.
Course credits are computed by hours. The majority of classes are 3 or 5 quarter credits. Each baccalaureate degree candidate is expected to complete a minimum of 180 credits with a minimum overall grade point average of 2.0 . See
Baccalaureate Degree Requirement for

## The DIVISION OF CONTINUING STUDIES

SPU is committed to serving the education needs of our community by remaining flexible and responsive to changing needs. To complement the traditional undergraduate and personal or professional offerings at our city campus, the Division of Continuing Studies (DCS) is constantly developing special programs to meet the needs of adult learners, evening tudents developing and managing programs that pionde adult learners greater access to completing an undergraduate degree or continuing their professional development. DCS also oversee SPIRAL, summer school, evening/wekend programming an
distance learnin Sudents desiri.
arther information about any of the Studies, Demaray Hall 350, Seattte Pacific University 33073 Ave. W., Seattle, WA 98119 or call (206) 281-2121. FAX (206) 281-2271.

Spiral. Cours
Development program is to provide educators with courses of high educational quality; Established in 1976, SPIRAL represents the continuing education program which was developed to meet the changing needs of teachers, staff development personnel and school administratoors. SPIRAL programs are specifically offered off-campus and at nominal fees. More than 20,000
professional educators take advantage of SPRAL every year. A student need not te formally admile and seaute Paciic SPIRAL An adult continuing education student not seeking undergraduate or graduate degree may register by mail or in-person for up to 20 credits in any quarter as a

## non-matriculated studen.

## Summer School

Every summer thousands of students take advantage of our oncampus program featuring experts from around the nation. More than 350 courses, ranging from two days to four weeks in length, are offered throughout the summer. Many discipline are represented including att, business, communication, behavioral sciences.

## vening Schoo/Weekend University

In recent years the evening/weekend program has expanded to accommodate the schedules of working professionals. Course are scheduled in most disciplines to meet general education and major requirements. Through evening/wed tudents can complete the following programs:

Certificates in Adventure Based Education, Business Management, Computer
Electrical Engineering.

Bachelor's degrees in Business Management, Compute Sciencer-business Applications, Electrical Engineering Engineering Science and General Studies.

## Distance Learning

SPU offers distance learning courses to assist students unable to attend regularly scheduled campus classes to continue their education. These courses utilize diverse mediums audiocassettes, videocassettes, teelevision, printed materials, and students. Students work independently to complete these courses as they acquire information through viewing, listening, reading, thinking, and writing. They then demonstrate ynnthesis and application of the learned informatio completing a variety of assignments and projects.
Distance learning courses currently exist in biblical an religious studies, selected disciplines of general education and graduate education, and educational professional development Some of these courses are designated in the University's 'Tim Schedule and Bulletins , THE PSAEMS-M). For (e.git BLions how distance learning courses may be applied to a degree please refer to page 45 of the Catalog.

## 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. 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 senio 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 studen

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 who exhibit the academic characteristics which predict their success in the University programs to which they seek enrollment and the personal qualities that indicate a contribution to the fulfillment of the objectives of the University.
In line with its original charter, students are admitted without discrimination as to race, color nationality, creed, age or sex. No arbitrary entrance requirements are imposed, nor does the University require a set pattern of high school subjects. However, a strong college preparatory program in high school is recommended. It is assumed that candidates for admission, with the advice of their high school counselor, have chosen those courses which will best prepare them for college work. In addition 0 academic ability, such factors as intellectual curiosity, goals, leadership, responsibility, personal and social adjustments, commitment to Christian alues and a desire to serve are considered. Qualified admission to the ACCESS Program may be granted to applicants who have a high school grade point average below 2.5 or SAT-I/ACT scores below average 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 the Catalog
Seattle Pacific University reserves the right to admit or re-admit any student at its discretion.

Application for Admission General Instructions For All Applicants Students interested in applying for admission should request
admission materials early by contacting the office of Admissions. Prospective applicants who are still in high school should request these materials early in their senior year (October 1 is not too early)
Applications for admission must be received in the Office of Admissions at least one month prior to the beginning of the quarter for which a student wishes to enrol. The application cadlines for 1996-97 are

|  | All Materials Must Be |
| :---: | :---: |
| To Be Admitted For: | Received By: |
| Autumn 1996 | September 1,1996 |
| Winter 1997 | December 1,1996 |
| Spring 1997 | March 1,1997 |
| Summer 1997 | May 1, 1997 |

Each applicant is responsible for providing all items equired with the application, including a \$35 non-refundable application fee.
Students desiring financial aid and scholarship consider(FAFSA) with the Federal processor as soon as possible after

January 1 and complete the application process for admission before March 1. Further information and instructions for financial aid applications may be obtained from the office of

Procedures for Students Entering Directly from High School

1. Application - Complete the "Seattle Pacific University Application for Admission" and send to the Office of Admissions early in the seventh semester (first semester of the senior year) along with the $\$ 35$ application fee. Seattle Pacific University also accepts the unifor
application for Washington State colleges and universities. A brief application supplement is required and is sent to all students who submit the uniform application.
2. High School Transcript - During the first semester of the senior year, arrange for an official transcript to be sent
by the high school last attended. Applicants are also responsible to request that their eighth semester grades be forwarded upon graduation. High school counselors are encouraged to provide additional information, if they desire.
3. 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. The addresses for testing information are as foilows: College Entrance Examination Board (SAT-I), Box 1025, Berkeley, CA 94701; American College Testing Program (ACT), P.O. Box 414 Iowa City, Iowa 52290. It is January of their senior year.
4. Recommendation-Request an academic recommendation from your high school and a personal recommendation from a minister, youth leader, employer, professional associate. (See forms with application

Procedures for Transfer Students 1. Follow steps 1,2 and 4 listed above.
2. Send in official transcripts from all colleges previousl attended.
3. Students who have earned an Associate of Arts degree (transter program) from a Washington community
college or from Central College, IS will enter with junior standing and all general education requirements, including the foreign language requirement, fulfililed. 4. All transfer students should review the Transfer Student section on the following pages for further information on SPU's transier poicices. scores for admission. However, official test AGT/SAT-I test for Diagnostic Testing exemptions (See Diagnostic Testing program)
Early Decision Plan For 1996-1997
High school and transfer students who have selected SPU as their first choice may be offered admission as early as October for autumn 1996. Early Decision students must apply for admission by December 1 (of the senior year for high school students) by submitting the Early Decision Form and Application for Admission which are located in the SPU Catalog and the SPU Viewbook. The deadline for completing applications Early Decision students are given first campus housing and financial aid provided they meet housing and financial aid appliction dines (See Determining Residence Status and Financial Aid sections for details). In
addition, SPU offers assistance to Early Decision students as they make plans to enroll by providing discounted tickets and a later in the year. Early Decision students may elect to visit the campus at a different time and will receive complimentary meals, housing on campus and an allowance for transportatio to the campus. Contact the Office of Admissions for details.

Washington State Running Start Program Accepted students who have completed college level coursework awarded transfer credit, up to a maximum of 90 credits. Follow the same admission procedures for students entering directly from high school, plus submit an official community coileg transcript. The transfer courses must be described in the catalog of an accredited Washington State community college
and must be posted on an oficial 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.

## Home Schooling

SPU recognizes that greater numbers of students are receiving instruction at home instead of through a traditional high
school program. Students who are home schooled are re to complete all the admission steps outlined under Procedures for Students Entering Directly from High School. Official high school transcripts need to be obtained from local high schools which certify completion of high school graduation requirements. Otherwise, home school students must provide a

## 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 rank among the top students in their class with 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. Evidence of high school completion (high school transcript wilh graduation date or GED) is required in order to receive

## Advanced Placement/CLEP/International

 Baccalaureate/PEPMariculated students at SPU may earn up to 45 quarter credits through University recognized testing and advance credit Program (AP), College Levee Examination Program (CIEP) Program (AP), College Level Examination Program (CLEEP) Proccilanaureate (IB) and SPUU's Credit by Examination. These examination credits, plus community college and unaccredited college credits, cannot exceed 90 quarter credits. Credits are evaluated or general education requirements at the time a
student enters SPU in accordance with the following policies

## DVANCED PLACEMENT

he following is a list of AP tests and their acceptance at SPU. number of credits listed. If students believe courses may also uulfill major requirements, they may contact the appropriate department for their review

## Recommended AP Equivalents:

| APTest | Credits | CECategory | SPUAcceptance |
| :---: | :---: | :---: | :---: |
| Amer-Govt | 5 |  | POL 1120 |
| Comp-Govt | 5 | 3 A | POL 2320 |
| Att-Drawing | 3, 2 X | 5D | ART 1102 |
| Att-General | 5 | 5 C | Fine Arts Core |
| Art-History | 5 | 5 C | Fine Atrs Core |
| Biology | 5 | 4 A | BIO 1111 |
| Chemistry | 5 | 4 B | CHM 1211 with a score of 4 or 5 |
| CSC-A | 5X if AB | aken | Elective course with a maximum of 5 credits for |
| Econ-Micro | 5 | 3B | ECN 2101 |
| Econ-Macro | 5 | 3B | ECN 2102 |
| Lang-Comp | 3, 2 x | 2 B | ENG 1105 |
| Lit-Comp | 5 | 5A | HUM 1110 |
| His-Amer | 5 | 3 C | HIS 2502 |
|  | 5 | 3 C | HIS 2503 |
| His-Europ | 5 | 3 C | His 1201 |
| French-Lang | 5 | 2 A | FRE 1103 |
| French-Lit | 5 | 5B | Lit Option |
| German-Lang | 5 | 2 A | GER 1103 |
| Latin-Vergil | 5 | 5B | Lit Option |
| Latin-Horace | 5 | 5 B | Lit Option |
| Math-AB | 5 | 4 C | MAT 1225 with a score of 4 or 5 |
| Math-BC | 10 | 40 | MAT 1225,1226 with |
| Music-I.jit | 5 | 5 C | a score of 4 or 5 . |
| Music-Theory | 5 | 5 D | Fine Arts Core |
| Phy-B | 5 | 4 B | PHY 1101 |
| Phy-C Mechan | 5 | 4 B | PHY 1121 |
| Phy-C Electr | 5 | 4 B | PHY 1121 |
| Psy | 5 | 3B | PSY 1180 |
| Spanish-lang | 5 | 2A | SPN 1103 |
| Spanish-Lit | 5 | 5B | Lit Option |

## LEP/PEP

Students who have completed CLEP exams with scores in the 5 th percentile (B grade range) may receive 4.5 quarter credits. listing of tests and scores is available in the office of Registration and Records. PEP credits are determined on a

## nTERNATIONAL BACCALAUREATE

sudents who complete the IB diploma or certificate in high shool can receive colliege credit at SPU in their Higher Lee diplocmas or certiticicates for erche tianted to holders of IB ade of 5 or higher is earned Further information in wavilab in the office of Registration and Records.

Transfer Student Informatio

## A BC ACCPEDITED COLEGEG AND UNIVEP

Students desiring admission to SPI from another revionally accredited institution or American Association of Bible Colleges (A.A.B.C.) 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 from all institutuions attended including high school may from alt in dismissal from the University. Advanced standing be determined on the basis of the credentials submitted by the
candidate. In every case, however, the following conditions wil
apply:
. 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 are not required to take the American Coilege Test (ACT) or the Co
Scholastic Achievement Test (SAT-I).
3. It is the student's responsibility to assure that final official transcripts reflecting coursework subsequent to 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 " " $"(2.0)$ 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 A.A.B.C. accredited institutions, no grade below "C" (2.0) will be accepted.
5. No more than 30 quarter credits earned via correspondence and/or media courses (e.g., cassette, TV, video)-
inclusive of both residence and transfer credits-may be applied to a bachelors degree. Exception: Existing Washington State community college associate degre transfer agreements will be honored as they apply to
6 geneminacation requirements
6. A combined total of not more than 90 credits will be unacceredited schools, AP, CLEP and I.B.. Existied Washington State community college associate degree transfer agreements will be honored as they apply to general education requirements and class standing 7. Credit
7. Credits in excess of 20 in any one term will not be transferred. Courses taken concurrently by media errespondence or extension at more than one
8. An undergraduate transfer student is required to earn minimum of 45 credits in residence at SPU including 15 upper-division credits in his/her maior at SPU to be gible for a degree. See individual majors for additional degree requirements.
9. A transferring student who holds a professional baccalaureate degree may be given senior or lower classification, depending on the specific circumstances One-credit courses, except physical education act transferable.

See Transter Students/Foundations Requirements for additiona details.
students entering from regionalit
NACCREDITED COLLEGES
U welcomes transfer students from all institutions. While the absence of accreditation raises questions concerning the nature and quality of an institution s sprograms, SPU reccognizes that
nstitutions may not seek accreditation for avariety of reasons related to mission, sponsoring entity requirements, etc. SPU at the student's request An official transcript and cony of the unaccredited institution's catalog must accompany a written request for review.
If SPU determinies that the institution's credits are acceptable, specific credits may be to
llowing limitations and condition
. Only college-level academic courses will be transferred.
Vocational and technical courses will and practicum courses will be transferred only by special arrangement.
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 and applied music).
or better (on 4.0 scale).
5. Courses comparable to SPU general education categories
$6{ }^{\text {or courses will apply to the appropriate GE categories. }}$
6. A maximuim of 10 credits in Biblical Literature course
may be accepted as elective credits only.
7. Application of creadis to major requitements is
8. The maximum number of credits transferred, when
combined with community coliege and advanced credit
testing programs, will not exceed 90 .
Except as outlined above, the conditions for student
ntering from accredited colleges will apply. A sudent
transferring from an unaccredited college must present
acceptable scores on either the College Board Scholastic
Aptitude Test (SAT-I) or American College Test (ACT).
See Transfer Students/Foundations Requirements for additional details.

RaNSEER STUD
all credits earned at a recognized accredited institution in areas ffered by SPU will usually be accepted without discount. Students who have earned, prior to matriculation at SPU, a associate degree (Washington State Community College have completed the general education (but not foundations) requirements, including the foreign language requirement, of SPU. All undergraduate transfer students, however, must participate in the Math and English Proficiency testing program and achieve required minimum scores or compensa-
tory instruction. For possible exemptions, see Math and tory instruction. For possible exem
SPU considers the foundations requirements to be at the heart of its approach to higher education. Therefore, each ransfer student is expected to complete the Foundation requirements at SPU. (See page 47.)
Transfer students with senior standing upon admission will complete 5 credits in Biblical Heritage; each transfer student
with junior standing upon admission will complete 10 credits in foundation studies with 5 credits in Biblical Heritage and 5 credits in Christian Perspectives; and each transfer student with freshman or sophomomorestanding upon admission will
complete the full requirement.

If a transfer student has taken Bible courses at a college or niversity of the Christian College Coalition, up to 10 credit requirement, Biblical Heritage. If a transfer student has taken Bible courses from an accredited Bible college, up to 5 credits may be granted in fulfillment of the Biblical Heritage equirement. If Bible courses have been transferred from nother accredited Christian ilberaal ans college which is not a e granted toward fulfill ment of the Biblical Heritage requirement.
Effective 1996-97, students entering SPJ as a senior must complete 10 Foundations credits.

## nternational Students

SPU admits a limited number of international students each year. The goal of our international student program is to provide educational opportunities for qualified students from variety of cultural backgrounds. SPU seeks to admit students ho would most benefit from the distinctives of the institution International students entering from U.S. schools must submit the same applications, transcripts, letters of recommenstudents, as well as the following.
Students desiring to enter directly from a U.S. high school must:

1. Submit a TOEFL score of 550 minimum
. Provide an official confidential statement of financial support covering each year of intended enrollment. academic credit of at least 3.0 on a 4.0 scale.

Students desiring to enter from another U.S. college or niversity must:

Submit a TOEFL score of 550 minimum
ave a cumulative grade point average for transferable
Provide an official confidential
support covering each year of intended enrollment. Th nancial statement must include an official bank atement for the sponsor(s) which provides an actual lose esti ane fands on the account. 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 oreign Language (TOEFL) is required of all international tudents. Graduates of high schools in countries where the school system provides for less than 12 years of instruction schooling in their own country before being admitted to SPU students may receive college credit for part of the 12 th year of sudy, if their marks are very high, if their courses paralle closely with comparable courses here, and if marks have been alidated by proper examinations.
Students may meet the SPU English proficiency requirement the Intensive English Language Institute (I.E.L.I.) on the SPU ampus. Students who finish the I.E.L.I. program do not need take the TOEIL test.

## U.S. Citizens (Immigrants) Who Are

## Non-native English Speaking

Stude SPU directly from high schoo con to tris and who wish to institution must demostrate Enclish oo transier from another a satisfactory Scholastic Aptitude 'Test (SAT-I) Verbal score. If not available, students may substitute a TOEFL score of 550 minimum, or a satisfactory score from the Michigan Placement Test taken at the Intensive English Language Institute (I.E.L.I.) on the SPU campus. Immigrants may also meet the SPU


## To Accept an Offer of Admission

 Students who have applied for admission will receive a letter notifying them of their eligibility approximately two weeks from the date all relevant information-application forms, transcripts, test scores and recommendation forms-is on file wit the on th Admissions. To acceept an offer of admission, follow these steps:
## 1. ADVANCE PAYMENT

Resident Students - $\mathrm{A} \$ 300.00$ advance payment is the student's acknowledgment of acceptance. This guarantees place in the entering class, reserves housing on campus and
allows an early registration appointment. From this payment, $\$ 100$ is credited to the student's account and is applied as an initial tuition payment, $\$ 100$ is a room reservation deposit, and $\$ 100.00$ is a student account deposit. Deposits are held during the student's tenure at SPU. These deposits are refunded at the student's request after the last quarter of attendance and after all charges against the account have been cleared. student's acknowledgment of acceptance. This guarantees place in the entering class and allows an early registration appointment. From this payment, $\$ 100$ is credited to the student's account and is applied as an initial tuition payment, and a $\$ 100$ student account deposit is held during the student's after the last quarter of attendance and after all charges agains the account have been cleared.
Advance Payment Deadlines - Autumn applicants offered admission by April 1 must submit the payment by May 1, which is the National Candidate's reply date. For students admitted after April 1 , the advance payment is due 30 days following admission.
Advance Payment Refunds - Afull refund of the advance payment is available if the Office of Admissions receives the student's written request for a refund before August 1 for autumn quarter, or 30 days prior to the beginning date of subsequent quarters. Resicen stuuens who cancel their Room
and Board Contract with or without the approval of the Office of Residence Life before the contract period begins will receive $\$ 50$ of the Room Reservation deposit if canceled before August 1 The total $\$ 100$ Room Reservation deposit is forfeited if canceled atter August 1 .

## 2. HEALTH RECORD

ri of admission each student will receive a medical health history form, to be completed and relunned to the Office of Admissions. 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 available to all matriculated students enrolled for a t least 9 credits. Insurance information is available in the Business office.

## Application for Re-admission

Re-Activation forms are available in the Office of Admissions and should be filled out by the following:

1. Former students who have not been enrolled within two calendar
enter.
enter. not enroll. (VOTE: If it has been over two years since th student's original application, a new application and credentials must be submitted).

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 transfer students. terrupted 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.

## Disabled Student Services

he University assists with program access through a variety of ervices for students with disabililities. Any student requiring pecialations (TIItance should contact the Director of Special ments for an intake interview to determine the level of ssistance needed Students are required to provide documentation of the nature of their disability at that time

## Orientation of New Students and Families:

 QUESTNew student orientation sessions are held each quarter. Autumn quarter orientation, (QUEST), includes four days of orientation the academic and social community of SPU. Brief orientation re designed to help new students prearef for acadenic re designed to help new students prepare for academic, spiritual and social life at SPU. They also offer opportunities for
students to become better acquainted with the University, it's programs of study, and to meet faculty and classmates. Attendance at orientation is required and provides students with he essential information to avoid early problems and confusion.

## Costs and <br> Financial Aid

The administration of Seattle Pacific 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 the University's financial stability for both 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 which 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 in the last part of this section.
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. The University Business Office is responsible for providing service to students regarding tuition and other fees, financial policies, and payments on accounts. Staff are prepared to assist any student who has questions about fees and financial policies. The goal of the staff about fees and financial policies. The goal of the sta
is to provide helpful, friendly service to all inquirers. Any concerns about the quality of this service or questions on the University's student financial policies should be referred to the Vice President for Enrollment Services. It is the hope of Seattle Pacific that students will not only have exceptional educational experiences, but will also feel that same commitment to excellence and service throughout all of the support areas of the institution.

1995-96 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, social
activities, and for undergraduate students, membership in the Associated Students of Seattle Pacific (ASSP) and access to its programs. 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 (\$U.S.). The following
charges may not apply to courses offered by the Division of Continuing Studies, including summer quarter courses. Division of Continuing Studies courses and fees are published in a separate catalog. (Special agency degree program tuition rates are established by separate contract.)
Undergraduate Tuition
(Autumn 1995-Spring 1996)
PER QUARTER FOR COURSES NUMBERED 0000-
8999
8 or fewer total credits, per credit $\qquad$ $\cdots . . . . . . . . . \$ 215.00$ 9 -11 total creditis, per credit. ............... ... $\$ 376.00$ 12-17 total credits $\begin{array}{r}\text { \$4, } . . .433 .00 \\ \hline\end{array}$ Additional per credit hour over ar rates apply Tuition for arranged
Tuition for auditors $\qquad$

Graduate Tuition Summer 1995 -Spring 1996** NUMBERED 6000-7999

## UMBERED 6000-7999

$$
\begin{aligned}
& \text { nformation Systems Management courses, } \\
& \text { ver credid hour. }
\end{aligned}
$$

er credit hour .................................................. $\$ 305,00$ Music courses, per credit hour ...................................... $\$ 212.00$ Nursing courses, per credit hour................................ $\$ 260.00$
Nurse Practitioner courses per credit hour Nurse Practitioner courses, per credit hour............ $\$ 295.00$ Doctor of Education courses, per credit hour................... $\$ 2219.00$ Doctor of Psychology courses, per credit hour........ \$350.00 All other graduate courses, per credit hour ............ $\$ 282.00$ Students enrolled in a combination of undergraduate ourses (numbered $0000-$-4 499 ) and graduate courses (numbered $6000-7999$ ) will be charged according to each
category without aggregation of the total credits. In other words, the total credits taken in courses numbered 0000-4999 will be charged according to the undergraduate rate schedule without regard to the number of credits taken in $6000-7000$
level courses.

In general, courses will be charged the rate associated wilh the discipline or school offering the course as listed above instead of being based on the degree program the student is
pursuing. For instance, doctoral students taking MBA or ISM courses will be charged the rate for MBA or ISM credits.
*Summer 1996 graduate tuition rates will be published in the 1996-97 catalog

## ADVANCE PAYMENTS

Resident students :.....................
$\$ 100$ (student account deposit)
$\$ 100$ (room reservation deposit)
$\$ 100$ (applied as a credit towards account)
Commuter students.................................
$\$ 100$ (student account deposit)
$\$ 100$ (applied as a credit towards account)
Students taking fewer than 12 credits may elect not to have an account deposit by paying in full at the time of registration. Both the student account deposit and the room reservation deposit are held for the duration of the student's tenure and residency at SPU, respectively. Deposits will be returned to students in they are no longer enfled and if other charges on have been met.
A full refund of the $\$ 100$ account deposit and the $\$ 100$ initial tuition payment is avaiable if the Office of Admissions receives the student's written request before August 1 for autumn quarter, or 30 days prior to the beginning date of and Board contract with or without the approval of the Office Residence Life before the contract period begins will receive $\$ 50$ of the room reservation depositif canceled before August 1. Th total $\$ 100$ room reservation deposit is forfeited if canceled atter August 1.

## SPECIAL INSTRUCTION, EXAMINATION,

CERTIFICATION, AND OTHER CREDIT FEES

## PER QUARTE

Music
Individual instruction fee, per credit ..................... $\$ 100.00$ Music majors individual instruction ................... $\$ 100.00$ Piano class instruction fee (two periods weekly) ..... $\$ 50.00$ Voice class instruction fee (two periods weekly) ....... $\$ \$ 0.00$

## Nursing Education

NLN Diagnostic Readiness Exam 10.00

Clinical practicum fee (seiected courses), .... $\$ 35.00$
per credit hour ................................................
(For specitic classes with fees, refer to the
$1995-96$ Time Schedule and/or revision listings.)
Teacher Education
Internship fee, undergraduate, per quarter ............ $\$ 75.00$
Internship fee, graduate, per quarter ..................... $\$ 150.00$
Penalty for late changes of internship
$\$ 70.00$
Counseling internship or practicum,
per quarter .......................................
Faith Tradition in Western Cultures, $\$ 100.00$
course fee .
course fee...... $\qquad$
Rates for courses held on Blakely Island will be published separately.
Special Examination Fees
Rescheduled final exam fee, per course
Credit by examination or challenge fees: . $\$ 60.00$ . $\$ 100.00$
er-credit-hour fee:
Indergraduate 1000 - 4000 level courses............. $\$ 40.00$ ther Course Fees ther Course Fee
extraordinary costs associated with abs, music composition, and math courses) require addition ees. These courses, with their applicable fees, are listed in the 995-96 Time Schedule and/or revision listings.

* An undergraduate or graduate student who bas been admitted to the University and subsequently registers for
courses is considered a matriculated student. A matricula tion fee of $\$ 50.00$ 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 nd evaluations of the coursework from other institutions, ** Students may register for evening courses (cour
beginning at 4:30 p.m. and later) through the first class session; bowever, a $\$ 20.00$ late enrollment fee is cbarged when registration is completed after the first week of the quarter. See the University calendar for dates. ter this is $\$ 20.00$ **** Applications for
brought the office of Sarking permits may be obtained
Student Services Fees
Education placement files
Establishing file (including five files mailed) ..... $\$ 25.00$ Each additional file .................................... $\$ 5.00$ Alumni placement file
Annual registration fee (including one ile mailed) ............ Lach additional file, ................................
mailings of job listings,from February
through October,
per three-month subscription)........
Tychological testing (administrat......................... $\$ 15.00$ counseling with regard to ptitude skills, person, and analysis, and placement), based on actual costs of analysis, and placement
Counseling Center services (per session) $\qquad$
student Health Center services $\qquad$
Residential students included in Room and Board charges Commuter students, faculty,
and staff........................ $\$ 7.50$ per quarter on first visit materials pharmaceuticals based on actual costs of

|  |
| :---: |
| Application fee (undergraduate, master's)............. $\$ 35.00$ |
| If received atter deadline (undergraduate) ........... \$60.00 |
| Application fee (doctoral) .................................. $\$ 40.00$ |
| Matriculation fee**....................................... $\$ 50.00$ |
| Special handling fee: official transcripts .............. \$ 25.00 |
| Late registration fee** .................................. ${ }^{\text {a }}$ 20.00 |
| Change of registration fee ${ }^{* * *}$........................... ${ }^{\text {a }}$ 20.00 |
| Official transcript fee ..................................... \$ 3.00 |
| Teacher certification fee ................................. \$ 25.00 |
| Masters comprehensive exam............................ $\$ 50.00$ |
| Thesis binding, per copy ............................... ${ }^{\text {a }}$ 20.00 |
| Parking fee, per quarter****.......................... ${ }^{\text {a }}$ 20.00 |
| I.D. replacement card (includes temp) ................. \$ 15.00 |
| Temp ID replacement card ............................. 3.00 |
|  |

Medical Insurance Fees The University Sudent Health Center provides basic medical services for students (at additional cost) including lab wo
rays, and medications. To provide complete health care coverage, the University recommends that all students review their current medical plan to determine if they have adequate
risk coverage to supplement these basic services. The University offers information on a medical insurance plan for accidents, sickness, and prolonged illness which is available to all matriculated students (undergraduate and graduate) and their family enrolling at the University for a minimum of 9 credits.
The University recommends this minimal medical insurance to The University recommends this minimal medical insurance
cover unanticipated expenses that could otherwise interrupt cover unanticipated expenses that coula ohtherwise interrupt
educational endeavors. Enrollment and benefit summary information for this voluntary plan is available in the Student Health Center or the Business Office after September 1, 1995 All international undergraduate and graduate
students are required to enroll in the University studen medical insurance plan. Any exceptions to this requirement are subject to the approval of the International Student Advisor in the SPU Business Office. Proof of comparable coverage from a provider either based in the United States or an acceptal reciprocal agreement is necessary for waiver approval, Applications or waivers can be obtained in the Business
Office and must be returned prior to the end of the 10th day of each quarter to ensure appropriate coverage enrollment. Any changes in coverage (i.e., addition or deletion of spouse or changes in coverage (i.t., adatition or
child) must be submitted at that time

## Special Study Programs

Sudents enrolled in special study programs (e.g,, European Quarter, Latin American Studies, American Studies) need to
make special financial arrangements. As soon as students receive their study tour packets from the faculty tour organizer, hey should conssil he stady tour reperesen will work with the Office. The Business Office representative will work with he determine if financial aid awards are in order so that students nay meet the tour departure date. Study tours must be paid in full prior to departure.

## CHAPGES FOR ROOM AND BOARD

## per quarter

Traditional Residence Halls (Ashton, Mover, Martson/Watson, iill) residents must choose one of the following meal plans: Platinum

| Platinum | $\$ 1,723$ |
| :--- | :--- |
| Gold | $\$ 1,701$ |
| Silver | $\$ 1,655$ |
| Bronze | $\$ 1,638$ |

Non-traditional Residence Halls (Falcon, Robbins, Davis partments) may choose one of the following meal plan options:

|  | 2-person unit |  | 4-person unit |
| :--- | :--- | :--- | :--- |
| Platinum | $\$ 1,966$ |  | $\$ 1,70$ |
| Gold | 1,964 |  | 1,758 |
| Silver | 1,962 |  | 1,765 |
| Bronze | 1,907 | 1,716 |  |
| No meal plan | 1,268 |  | 1,061 |

Other meal options available for non-traditional residents (cost addition to no meal plan room charge):
lock 25 (provides any 25 meals) dvantage Card (declining balance cart no sales tax)

Detailed descriptions of meal pians are mailed with the
the Office of University Services at 206) 281-2188.

The quarterly meal plan entitiles a student to meals eginning with the evening meal the day residence halls open and ending with the evening meal of the last day of examinations. There will be no refund or adjustment for meals missed
Muring the week or on weekends.
Meal service is not available during the Thanksgiving,
.hristmas, or spring break periods. For closures of residence Christmas, or spring break periods. For closures of residence Contract Guide.

## STIMATED UNIVERSITY EXPENSES FOR

## 1995-96

(representative)

Underg
Room and Board
(traditional dormitories)
average cost
\$1,723 $\$ 6.400$

Graduate
Tuition (MBA, ISM at $\$ 376$
per credit, for 9 creditis)
average cos
$\begin{array}{r}\quad 200 \\ \$ 3.584 \\ \$ 10.752 \\ \hline\end{array}$

## FINANCIAL <br> ARRANGEMENTS AND SERVICES

## REGISTRATION

SPU uses an information system (Banner) to process registration materials and complete financial arrangements. Whe a student has made a selection of preferred courses and accomplished the necessary preliminary steps of the enrollment Reocessstration and Records for entry into the system. When the Rtudent's enrollment is accepted by the office of Registration and Records, the student is obligated to pay for the contracted services in accordance with the University's current schedule of charges. bie reyistration cantria uness proper written notification is provided by either party (see also Refunds and Account Adjustments).
All students then receive from the Business office a statement of their charges. Students who are to receive Federal financial aid administered by the University must sign the their account. No financial aid can be credited to a student's account until their award letter (issued by the Financial Aid Office) has been signed and returned to the Financial Aid Office and their registration is completed. In addition to the above, certain types of financial aid, such as uans and waphington the particular aid are personally signed by the student in the Business Office.

## STUDENT ACCOUNT SYSTEM

Astatement rellecting tuition and fee charges, payments, past-current- and future-due amounts and chosen payment plan will be sent to the student's local address (in the Seattle area o on campus) each month. A copy of the statement of accoun address (such as the student's parent) at the student's request. It remains the student's responsibility, however, to see that proper payment reaches the Business Office by the payment due date.
Checks for the correct amount due should be made payable in U.S. dollars (\$U.S.) to SEATTLE PACIFIC UNIVERSITY,
and should include the student's name and student identification number. Such checks may be mailed to Seattle Pacific
University, Business Office, 3307 Third Avenue Wiest, Seattle, WA 98119 , or delivered in person. Payment may also be made by Visa or Mastercard; please include expiration date.

## PAYMENT POLICY

International Students same payment options as U.S. students, who must make full payment prior to the first day of classes, or make application to the Business Office to use the extended payment options (see
below). If a third party is involved (sucy as an embassy) the below). If a third party is involved (such as an embassy) the
University will bill the third party directly provided the student has filed the appropriate documents with the Business office. All tuition, tees, and other charges are payable in U.S. dollars (\$U.S.).
United States and Canadian Students
Students may choose to meet financial obligations in one of classes, (2) use of the three month extended payment option (3) use of the 12 -month extended payment option for full -time undergraduate students. If a student does not formally choose
one of the two extended payment options, the student is one of the two extended payment options, the student is
assumed to be choosing to pay in full by the first day of the quarter. Participation in either of the extended payment options is provided for students who have completed their Financial Aid forms. Students participating in study tours are not eigible for the extended payment plan options. If a studen who chooses an extended payment option fails to make the
required payments the missed payment $(\mathrm{s}$ will be considered past due and will be subject to late charges. If nonpayment continues, the student may be withdrawn from the 12 -month extended payment option and may not be permitted to register for subsequent quarters. All payments are to be made in US. dollars (\$U.S.).

## Payment in Full

Students may meet their financial obligations each quarter by paying in full on or before the first day of classes.
Three (3) Month Extended Payment Option If students choose this option, the total charges, atter all aid**
applied to the account, will be divided into three equal payments. In order to participate in this plan, the student must fill out a payment plan application and return it to the Business Office with the first payment and an application fee of \$20 according to the following schedule (a new application must be Autumn quarter, 1995
Application Deadline/First Payment ....... September 5, 1995 Second Payment .......................................tober 5, 1995

Winter quarter, 1996
Application Deadline/First Payment ........ December 5, 1995 Second Payment .....................................January 5, 1996 Spring quarter, 1996
pplication Deadline/First Payment ..... March 5,1996 Scond Payment ...............................................April 5, 1996

*Aid includes SPU-sponsored scholarships and grants, as well as Pell, SEOG grants, and student loans. All other grants cannot be used in the calculation of payments.
Twelve (12) Month Extended Payment Option This plan is available for undergraduate students who will be choose this option, their total charges, after all aid** is applied to your account, will be divided into 12 equal payments. In order to participate in this plan, students must fill out a payment plan application and return it to the Business office with their application fee of $\$ 60$ by yuly 3 , 1995. The first payment is due August 4,1995 with subsequent payments due
on the fifth of each month thereatter. Under this plan students have the option of setting up the payments via automatic monthly bank draft.
*did includes SPU-sponsored scholarships and grants, as well as Pell, SEOG grants and student loans. All other well as Pell, SBOG grants and student loans. All other
financial aid (e.g., work study and Washington State need grants) cannot be used in the calculation of payments.

## Example: Payment Alternative

 xxample: Payment AlternativesA student registers for a full coursel load ( $12-17$ credits) and
lives in a Univessity residence hall. The total balance is:

Tuition
Subtotal
Estimated financial aid**
Estimated financial ai
(example only)
Balance owed
$\frac{(500)}{} \quad \frac{(1,500)}{\$ 5.716}$

## Option 1 Option 2 Option 3

 Pay in Full 3 -Month Plan 12 -Month Plan 20 set-up fee $\$ 60$ set-up fee July 3, 1995Auugut, 1995
September 5, 1995 September 5, 19995
September 26, 1995 $\$ 5,716.00$ $\$ 1,926.00$ $\$ 60.00$
$\$ 1,49.00$
$\$ 8,42000$ September 26, 1999 $\$ 1,905.00$
$\$ 1,905.00$
$1,429.00$
1, 429200
Continuing for 8
Continuin
months

## Reimbursement Program

tudents whose tuition is reimbursed by their employer may be ligible for this program. Documentation confirming
norollment in an employer reimbursement program is required and allows deferment of tuition up to approximately 30 days after the quarter ends. All other fees and charges are due when
billed. Call the Business office at (206) 281-2061 for more details.

Canadian Discount
discount is available for students who are Canadian citizens. The exchange rate is applied to the tuition, room and board three weeks prior to the start of each quarter Payment in U.S. furree weeks srior to the

## Late Fees

A monthly interest charge, calculated at a rate determined in he month preceding the acceptance of a student's enrollmen ( $15 \%$ for autumn 1995), will be assessed against any past due account. To avoid interest charges , payment must be made in full on or before the first day of classes or in adherence with the chosen payment plan.

## Unpaid Student Charges

In general, a student who has delinquent financial obligations will not be permitted to register or attend classes for subseque quarters, or order transcripts until such obligations have been during the preceding spring. The University reserves the right to deny enrollment or extension of credit to any student who does not meet past-due obligations or fulfill financial commitments to the University.
On occasion, legitimate financial circumstances may warrant allowing students who have delinquent financial those obligations. The following policy has been established regarding special permission to register for a subsequent quarter.
Prior to registering, the student will need to contact the Student Loan Office to meet with a student account advisor to review the past-due amounts, specific circumstances, any
financial aid information and the student's action plan for repayment. If the action plan is approved, the student will be required to sign a promissory note agreeing to the payment erms for the past-due balance of the account as well as any late fees accruing on the past due balance,
In some situations, a co-signer (parent or guardian) may be amounts persist, disenrollment will take place, canceling the student's current registration.
In no event will a student be given special permission to egister if the total amount delinquent exceeds one quarter's wition, room, and board charges.
A continued failure to meet financial obligations may result for collection of the total amount due, plus all collection cost applicable.

## Late Registration Charge

In order to provide prompt, efficient service to the students who register at SPU each quarter, certain times are reserved by the Office of Registration and Records and the Business Office to process enrolment materials and handle student payments.
A late registration fee of $\$ 20.00$ is charged if a student adds a course to their schedule of classes in the Office of Registration and Records atter the first week of the quarter (a week is defined as the firss five days of classroom instruction) Currently-enrolled students are registered for a subsequent quarter in advance of new students. Dates for registration of included in the official University calendar. Students may register for evening courses (courses
beginning $4: 30 \mathrm{p} . \mathrm{m}$. and later) through the second class session
only, with the instructor's written permission and approval from the Office of Registration and Records. A $\$ 20.00$ late completed atter the first week of the quarter

## Prepaid Accounts and Banking Services

 Many students and parents find it convenient to budget for part or all of a quarter's costs in advance of the required paymentdates. In order to accommodate this need, funds may be paid into an individual student account at any time after the student's formal admission to the University.
must be requested in writing by the student ant's account presentation of an SPU ID card or other picture ID. To allow adequate processing time, withdrawal of credit balances will take 24 hours from date of request. Credit balance withdrawal requests should be sent to Seattle Pacific University, Business Office, Seattle, WA 98119.
dents. One such bank services are conveniently available to sudents. One such banking center is located on campus,
adjacent to the University Bookstore. Currently enrolled students may cash checks up to $\$ 30.00$ in the Business office.

## REFUNDS AND ACCOUNT ADJUSTMENTS

If a student decides to add or drop courses, withdraw from school, or deletete other contracted services, an official change of
registration form must be filed with the office of Repistration and Records. If a complete withdrawal is contemplated, and/or if the student plans to cancel the residence hall contract, proper notification must also be provided to the Office of Residence Life (see the residence hall contract and the current Studen Handbook for withdrawal procedures).

If a student does not provide proper written notification to regardless of whether classes were attended rian binding, any of the contracted services were utilized
Refunds are made only for tuition and curriculum fees. Except in the case of fees for individual or class music Instruction, the date on which the official withdrawal form is
received by the Office of Registration and Records will determine the amount of the refund for such charges, using th schedule that follows, as applicable.
Refunds or additional charges for courses are posted to a student's account when the official change of registration form is received and processed. Charges for added courses are made at the full quarter's rate, regardesess of when the course is added tuition will be refunded according to the schedule which follows. If the refund results in a credit balance on the account the student may obtain a check by submitting a written reques to the Business Office. If there is an owing balance on the account,

## Schedule of Tuition Refunds

(Day and Evening Classes)
First week of the quarter
Second week the quarter. $\qquad$
Fourth and fifth week of the quarter $\qquad$ Fourth and fifth week of the quarter.......

Sixth and following weeks of the quarter $\qquad$ | $100 \%$ |
| :--- |
| $.75 \%$ |
| $.50 \%$ |
| $.25 \%$ |
| 0 |

Refunds for music fees will follow the same schedule, exce that no refunds for individual or class instruction in applied
music will be given. A week is defined as the first five days of classroom instruction.

Examples: Tuition Refunds and Adjustments

1) 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
2) A student who was originally enrolled for 13 cred drops one 3 -credit course the second week of class. The refund is as follows:



 3)Assume the above student drops a 5 -credit course the second week of class. The refund is as follows: Full fees ( 13 credits) ........................... $\$ 4,493.00$ Fee for 8 credits ( $\$ 215$ X 8 ) ..................................00 Difference.......................................................03 4) A student who was originally enro............................................ | $\$ 2.773 .00$ |
| :--- |
| $\$ 2,079.75$ | 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 ( $\$ 376$ X11) Old level - 11 credits $(\$ 376$ X11) ............ $\$ 4,136.00$ New level -12 credits .............................4.493.00
Additional due
5) Additional due ................................. $\$ 357.00$ separate days:
${ }^{\text {separap } 2 \text { credits }}$ (11 to 9 )
Refund $=75$ percent of $\$ 376 \times 2 . . . . . . . . . . . . . . . ~ \$ 564.00$
Add 3 credits ( 9 to 12)
$\qquad$
12 credits $=$ ... $4,493.00$
$9 \times \$ 376=. . . .$.
Additional due $\qquad$ 3,384.00
6) A student completely withdraws from all courses in the second week:

|  |  |
| :---: | :---: |
|  |  |

## EFFECT ON FINANCIAL AID

Dropping courses may affect a student's continued eligibility for under Financial Aid.

## Drop in Credits

If, during a quarter, a student who receives financial aid drops courses to below a 12 credit load, such a drop may necessitate a eassessment of the financial aid given that quarter. This may

## Complete Withdrawal

If, during a quarter, a student who receives financial aid completely withdraws from the University, the tuition refund applied first to the student's financial aid sourcee $(s)$, and the alance, if any, is credited to the student account. The amount of tuition refund will be returned to financial aid sources based on Federal guidelines in the following order: Federal SLS loan Loan; Federal Plus Loan; Federal Perkisis Loan; Federal Ptaft rant; Federal SEOG, other Titte VV Aid programs; other Fede sources of aid; other state, private, or institutional aid; the tudent.

## ROOM AND BOARD/ROOM REFUNDS

Students who completely withdraw from University classes wil following schedule (the first week of the quaster on the the residence halls officially open and ends the Saturday after the first day of classes):
week of the quarter ...

There will be no refund for students withdrawing after the filth week of the quarter. Week is defined as the first day in housin rougn the saturday atter classes begin.
effore the contract period begins, will forfeit \$50ard contrac Room Reservation deposit if canceled before August 1 and wil Forfeit the total $\$ 100.00$ Room Reservation deposit if canceled

## oom and Board Ca

ontinuing Students
student who cancels his or her room and board contract after he contract period begins, will be responsible for the room and ourc charges through the end of the quarter in which the oom Reservation deposit Thi stent will also forfeit the $\$ 100.00$ ther charges of the University covered in this section.

## FINANCIAL AID

eattle Pacific University is pleased to work with students and arents in meeting educational costs. Scholarship programs, PU 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 need analysis, which takes into account many fyster called representing the family's financial situation. To the exten funds are available, the University will supplement the amount expected from the family with scholarships, grants, loans, or emp.oyment (singly or in various combinations) up to the amount of the sourcent's documented financial need. The basis of available funding and eligibilily criteria for the various financial aid programs. To receive financial aid, a student must be enroled 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. Students admitted to a graduate program must be enrolled for a
minimum of 4 credits (courses numbered $6000-6999$ ) per term. Media courses and courses numbered 5000-5999 are pot term. eligible. Full-time enrollment ( 12 credits per quarter) is required for scholarship eligibility

Application Process To apply
must:

Complete
Complete the Admissions proces
packet) and mail it to the processor. The FAFSA packet may be obtained at a secondary school or a college mayn be obtained atid office.
If requested to do so, the student and his or her family must also provide additional documentation required to verify completing a FAFSA each year.

To apply for scholarships through SPU, the student must: 1. Complete the Admissions proces.

Complete the Admissions process.
schplatet the other requirements listing specified under the

## Application Deadlines

PU does not have a deadline for financial aid application. However, since funding for most programs is limited and 10 the student's advantage to apply as early as possible. (We ecommend that the FAFSA be processed as soon as possible 1 and that the student be admitted by March 1 preceding the academic year of attendance.)
Selection of SPU Merit Fellowshiss, the SPU Free Methodist Scholar Award, and SPU Scholar Awards will be made from students who have completed the Admission Application proces by February 15 . To be considered for other Merit Scholarships, he student must complete the Addmission Application proces

## The Financial Aid Offer

Generally, students qualifying for financial aid receive a inancial aid package containing one or more of the following types of aid: grants, scholarships, loans, and student employ-
ment. The proportion of each type of aid varies from student to ment. The proportion of each type of aid varies from student to student and year to year depending upon student eliggibilt The student must validate acceptance of the financial aid offer by returning the signed Offer of Financial Aid by the
specified deadline.

## Disbursement of Financial Aid

 Once a student has completed the financial aid application/ award process in the Office of Finnancial Aid, has fulfilled all the enrolled for the required number of credits, grants and loans are disbursed by the Business office at the beginning of each erm. Financial aid, with the exception of earnings from the student's tuition and room and board account in four ways1. SPU Grants and Scholarships, Federal Pell Grant, and
Federal SEOG: The Business office automatically

Federal SEOG: The Business office automatically applies
2. Federal Perkinin Loans, Nursing Loans and SPU
2. Undergraduate Loans: Once the student has filled out the necessary papers and signed a promissory note in the Business office, the loans may be applied to his/her
3. Federal Stafford Loan (subsidized and unsubsidized): Once the student has taken a loan application to a bank for processing, the bank will send the funds to SPU one
of two ways. If the bank participates in electronic fund transfer, the student will need to sign an authorization card in the Business office once each year and the funds
will be automatically applied to the student's account. If the bank does not participate in electronic funds transer, it whin send a check each quarter that the
student will need to endorse in the Business office
4. Washington State Need Grant and the Educational Opportunity Grant (EOG) are disbursed via check which is available for the student to pick up in the Business Office on or after the first day of the quarter. The balance due on a student's account can be paid from student employment, summer savings, parent contribution
dependent), and other resources. Should there be a credit balance on the student's account, it will be paid to the stude within 21 days of the date the balance occurs, or 21 days after the first day of classes, whichever is latest.

## Satisfactory Progress

To remain eligible for financial assistance, a student is expected to complete his/her degree within a specified period of time and 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 student must maintain a cumulative 2.0 grade point average. If the student has not achieved a 2.0 cumulative GPA , the student 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
percent of the credit hours attempted at SPU. Students averaging 80 percent satisfiactory completion of credits attempted will be eligible to be considered for financial aid. Current financial aid recipients must satisfactorily complete 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 or 80 percent of attempted credits, whichever is greater. quarter or 80 percent of attempted credits, whichever is greater.
Graduate sududents must complete a minimum of 4 credits per quarter or 80 percent of all attempted credits, whichever is greater. The calculated percentage will be rounded up to the nearest full credit hour. Completed credits are determined from coursework which 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 ald will be awarded to a reasonable perioc 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 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 requirements requirements.
A student who completes less than 6 credits in any quarter
will be ineligible for further will be inieligible for further financial assistance. To regain
eligibility for financial assistance the student must enroll least half-time, and complete all attempted credits. The studen will also be required to complete at least 80 percent of all
attempted credits by the end of the attempted credits by the end of the academic year
Petitions for Reinstatement of Eligibility Students have the right to appeal their eligibility for financial be submitted to the sudent's Financial Aid Counselor Please note that some financial aid programs may have criteria which vary from the above-stated progress standards. Detailed
information about information about hese programs is included in the Financial Financial Aid.

Refund/Repayment
In the event that a student leaves school during a quarter for which he/she has received financial aid, all or part of the funds which have been disbursed may have to be repaid. The amount of the repayment will be determined according to the length of Adjustments section of the Catalog for details.

## Veterans' Benefits

SPU is approved by the Higher Education Coordinating Board to offer educational assistance to matriculated students who qualify for veterans' benefits. These benefits may not be given
for media courses. To be certified to receive your benefits contact the veterans' coordinator in the office of Registration and Records.

## KINDS OF AID

Scholarships/Grants
Unless otherwise stated, scholarships and grants are available only to students pursuing a first undergraduate degree. Fullscholarship eligibility. Complete information about these programs is available in the Office of Financial Aid. Seattle Pacific University Merit Fellowships are awarded to entering freshmen selected on the basis of dentified as National Merit Semi-Finalistst or Finalists. Recipients are approved by the President and the Board of Trustees. Renewable.
Seattle Pacific University Free Methodist Scholar warievement demonstrated ching freshman based on academic nvolvement; and affiliation with the Frool, Mend community from one of the supporting conferences. Renewable eattle Pacific University Scholar Awards are based on cademic excellence and demonstrated leadership through oTC , chool and community involvement. Renewable. selected students who are awarded Awards are awarded to ademic scholarship (as described earlien in the APMy ROTC Renewable.
Minority Student Scholar Award is awarded to an
eadersip Presidential Scholar Rwarde.
reshmen on the basis of academic excellence Renewable

Presidential Transfer Scholar Awards are awarded to ransfer students on the basis of academic excellence.

PU/Community College Transfer Scholar Awards are warded to Bellevue, Edmonds, Highline, North Seattle, Seattle lan to enroll at SPU. Renewable plan to enroll at SPU, Renewable. cademic excellence to entering transfer stu earned an Associate of Arts degree.
Dean's Scholar Awards are awarded to students on the Renewable. ledicto
freshmen who apply for admission prior to March 1. To red this award the Office of Financial Aid must receive a letter from he student's secondary school confirming valedictorian status. Washington Scholar Awards are available to students who have been designated as Washington Scholars by the WashingFaculty/Staff Scholarships are funded by donations from employees of SPUU. The fund supports school scholarships and recognizes outstanding students in each of the academic
discipilines. disciplines.
ne and Performing Arts Scholarships are awarded on demonstrate outstanding talent and promise Contact the Fin trs Department for further information. Peer Adviser Scholarships are awa
students selected through a competitive selection process. Application is made through the Officice of Rection proceces. students who participate in the SPU Singers or Chancel Players. Auditions are presented before the Fine Arts faculy and University Advancement.
SPU Achievement Awards are awarded to entering freshmen on the basis of high school grade point average and grade point average. Eligible student must also demonstrate service in church, school or community. Renewable. Athletic Scholarships are awarded by Athletics in men's soccer, women' ' gymnastics and volleyball, women's and men's Office for further information Mifice for further information.
full-time, ordained pastoral ministers or missionaries from United States or Canada. Contact the Office of Financial Aid for application information.
Alumni Scholarships are awarded to dependent, under graduate children of Seattle Pacific University graduates.
Contact the Office of Financial Aid for aplicitin Paul Douglas Teacher Scholarship Program. This federally funded, state administered program provides scholarships to outstanding students committed to the teaching profession. Eligible students must be Washington residents who raduated in the top $10 \%$ of their high school senior class and Applications are available in the office of Pinancial Aid. Health Professional Scholars. This state funded program 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 office of Financial Aid.
$\$ 800$ Church Matching Scholarships will be awarded up ment and must provide the office of Fin Uniniersial Aid Advanceof confirmation for each scholarship awarded. Contact the Office of Financial Aid for further information.

Minority Church Partnership Awards provide matching cholarships to students who receive a scholarship from sele nority churches in the greater Seattle area. Complete nancial Aid.
Seattle Pacific University Gants aw 1 the basis of financial need as established by processing the IFSA.
deral Pell Grants. This federal program provides grant to qualified students from moderate to low income families. adenis who process a IAFSA will receive a Student Aid Report which theyey must sub
deral Supplemental Educational Opportunity rant (SEOG). This federal program provides funds throug he University for grants to students with financial need as etermined by processing a FAFSA.
Washington State Need Grant (WSNG). This state program provides financial assistance to full-time students who Financial Aid office will nominate eligible students to the Washington State Higher Education Coordinating Board and will notify those who qualify. Religion and Christian Education majors are not eligible. A processed EAFSA is required and wards are made as funds are availabie.
University funded scholarships and grants are not available programs are available.

## Other Scholarship Funds

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 by March 1 and have filed all necessary application materials by that date. Continuing students must file scholarship applications by January 15 . Specific questions can be directed to the Office of Financial Ai

Ackerley Merit Award
Arthur Andersen and Company Merit Awa
Sophie Anderson Trust Fund
Harry and Lois Ansted Scholarship
Philip Ashton Scholarship
Lowell Berry Memorial Scholarshi
Tony and Thelma Bettencourt Scholarships
Ned Bohrer Memorial Scholarship
Brohamer Nusing Scholaship
Robert WV. Burvell Engineering Scholarships
Callen Missions Scholarship
Campus Life Scholarshis
Cascade College Alumni Scholaship
Causey Biology Scholarship
Causey Theatre Scholarship
Chapman-Stewart Scholarship
Ben Cheney Scholarship
Cochrane Scholarship
Custom Business Systems, Inc., Scholarship
Deffenbaugh Electrical Engineering Scholarship
Irina Marie Deffenbaugh Nursing Scholaship
Dietzman Scholarship
C. Dorr Demaray Scholarsh
Deshazer Scholarship

Kim Drone Scholarship
Winifred Rhoades Emmanuel Music Scholaship

Ethnic Diversity Scholarship Farmers Insurance Group Scholarshi Fists Interstate Bank Scholarship Charles Fogg Scholaship C. Mevin Foreman Scholarship
Charles and Pearl Foster Scholaship Class of '39/Weilspring Scholarship Clayton E. Gibson Scholarship Bertha Giibertson Music Scholarsh Roy Glancy Athletic Scholarship Glaser Foundation Disabled Student Scholarship Crete Hammersia Scholarship
Habegger Basketbail Scholarsh
Jean Allen Hanawalt Scholarship Mitsuko Hara Nursing Scholarship Haslam Family Christian Ministry Scholarshi Robert Hayes Meno
Hearst Scholarship
Walter and Esther Helsel Free Methodist Ministry Scholarship James A. Hemry Memorial Scholarship
Doris Heritage Cross Country/Track Scholarship
Higbee-Whitaker Scholarship
Home Economics Alumni Scholarship
Hughes-Ets Memorial Scholarship Hutchinsson Memorial scholaraship Irwin Engineering Scholarship Larry Issak Scholarship Matthew Kelley Scholarship Dorothy Kennedy Scholarship
Dorothy Kennedy Welispring Scholarship Kirkpatrick Scholarship
Sarah Louise Knight-Wimpy Scholarship Kreider Home Economics Scholarship Michael K. Lake Classical Guitar Scholarshi Arthur and Gloria E. Langer Scholarships Harriet and Winife Scolarship sic Scholarship Lemcio-Philipchuk Scholarship Lesser Nursing Scholarship Catherine Loomis Scholarship Margaret McGarty Scholarship
Mcclurg Vocal Performance Scholarship McClurg Vocal Performance Schola McNeese Athletic Scholarship Alice C. Marston Scholarship Merrick Scholarships
Otto M. Miller Physics Scholarship Miller/Wellspring Scholarship Minority Student Leadership Scholarship Morgan Engineering Scholarship Button Moyer Scholarship Native American Youth Scholarship loyd E. Northrup Jewish Student Scholarships Vorthrup Scholarship ursing Leadership Scholarship Professional Nurses Traineeship Grants Harold and Alba Overland Scholarship Pacific Coca-Cola Scholarship Peat-Marwick Scholarship Earl Phillips Scholarship Ellen Joyce Pinnt Religion Scholarship Rearick Theatre Scholarship Catherine M. Richey Memorial Scholarship ichards Teacher Education Scholarship Robichaud Scholarship Clifford E. Roloff History Scholarships

## Employment Opportunities

The University supports a strong student employment progran through which it provides information regarding part-time employment opportunities. This job service is available to all Both work-study and non work-study jobs are posted outside the Office of Financial Aid. Once employed, the student will complete time sheets and receive payment from the Student ayroll Office if they work on campus and payment directly from their employer if they work off campus. It is the student esponsibility to make payment on his/her student account Work-Study Programs
SPU is a participant in both the federal- and state-sponsored Work Study Programs, whereby students may be employed in an approved job on or off campus. In order to participate in a work-study program, a student must demonstrate financial need and be awarded work-study as a part of the financial aid eligible to participate in the State Work Study program, but nay be employed through the Federal Work Study program. Students who have been awarded work study are also eligible or employment in community service positions with schools and agencies who assist at-risk youth the homeless, and the elderly,
Campus Work - Several hundred on-campus jobs are
available to SPU students. Positions are available for studenti with financial need and to those who do not qualify for inancial assistance.
Off-Campus - An off-campus employment service is also maintained by the Financial Aid Office. This service is railable to al SPU students, whether or not they are financial id recipients.
Information about current part time work opportunities is available at the Office of Financial Aid. Students needing assistance in locating part time employment are encouraged ffice of Financial Aid and Student Employment.

## Rosser-Danielson Speech Scholarship

 Lawrence R. Schoenhals Music Scholarship Sigma Rho Scholarship Sheard Alumni FalconeKen Smith, Sr. Computer Science Scholarsh Marge Snyder Memorial Nursing Scholarship Sternberg Athletic Scholarship
Stundon Memorial Fund
Roy Swanstrom Centurion Scholarship
Robert L. Taylor Memorial Scholarship Alfred A. Thorn World Missions Scholarship V. W. Thuesen Trust Fund

Tollefson Minority Scholarship
Walters Nursing Scholarship
Washington Auto Dealer Scholarship
Washington Mutual Great Teacher Scholarship
Robert L. and Buelah N . Whitlow Scholarship
Wimpy Scholarship
Howard M. Winegarden Engineering Scholarship

## Loans

Federal Perkins Loan. This program combines funds from the government and SPU. The borrower must satisfy eligibility requirements as established by the United States Department carry a simple interest rate of $5 \%$ and are repayable over a period of 10 years following graduation or dropping below a is charged while students are in school and during a nine month grace period thereafter.

| Loan Amount | Ouarterly Payme |
| :---: | :---: |
| \$3,500 | \$112 |
| \$4,000 | \$128 |
| \$5,000 | \$160 |
| \$6,000 |  |

Nursing Student Loan Program. Nursing students with a least sophomore standing are eligible for loans to assist in
meeting their educational expenses. Loans carr a simple meeting their educational expenses. Loans carry a simple beginning nine months after completion of the course of study 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 requiremen United Staies Department of Education
Parents of dependent undergraduates can bonts (PLUS) through lenders to help supplement educational costs. The PLUS Loan has a variable interest rate not to exceed $10 \%$ annual rate. Arrangements can be made with some lenders to have payments deferred
more information.
SPU Undergraduate Student Loan Program. This program, sponsored by SPU, was created to provide assistance to needy students who do not qualify for other student loan programs. Specific information about the program, student eligibility criteria, and application forms are available in the Emergency
from which, under emergency Loan Funds. Loan funds exis money may be borrowed for up to ninety days. Application forms are available in the Business Office.


## Student Life

A complete understanding of education recognizes hat learning occurs both in and out of the classoom. At SPU there is a strong commitment to cademic discipline through the study of literature, business, science and the arts. We also value the personal and community experiences that enhance our capacity to love; we seek to develop an understanding of integrity and justice. These qualities, along with the ability to work hard and learn, are an integral part of SPU's model of education. The Office of Student Life is dedicated to fulfilling and enriching the goal of SPU by providing educational services and opportunities which develop women and men committed to wholeness through scholarship leadership, service, and excellence in all endeavors.

## COMMUNITY EXPECTATIONS

Students of SPU are members of the SPU community. All communities (families, cities, companies) expect that their members will uphold certain standards of behavior and contribute to the welfare of the group in specific ways. The
community expectations of the Seattle Pacific community, community expectations of the Seattle Pacitic community,
explained below, are standards of behavior which reflect the University's commitment to its Christian philosophy of education in the context of a Wesleyan heritage. Christian institutions, like Christian individuals, are guided by the Biblical standards of moral integrity, social consciousness, personal health and an effective Christian witness. The positive learning environment and to promote the intellectual, posiial, spiritual and physical well being of students. It is important to remember that admission to the University is contingent upon a student's arreement to abide by these expectations. These bebavioral expectalions are outlined bere in the Catalog
Student Handbook.
To promote the values of corporate worship, integration of faith and learning, and equipping students for Christian leadership and service, the Chapel program has a diversity of options, including morning chapels, faculty-led small groups, Ill full-time undergraduate students ( 12 credits or more) are required to earn 15 chapel credits per quarter.
In keeping with community expectations and to ensure a spirit of Christian community, the University does not permit students to: 1) violate local, state or federal laws; 2) participate in activities which disrupt the educational process of the immoral conduct, including extramarital and homosexual activity; 4) use or possess tobacco, alcoholic beverages or illegal druss or abuse either prescription or non-prescription drugs; participate in acts which involve gambling or dishonest ehavior; 6 ) participate in acts which involve racial, sexua these activities are subiect to denial of admission, cancellation of registration and/or disciplinary action up to and including
dismissal from the University. However, the University maintains respect and concern for each individual and provides a redemptive procedure with application of the principles of du process. In order to maintain an effective Christan witites students are expected to avoid questionabe
entertainment, conduct and appearance.
A student's signature on the application for admission signifies an agreement to support and conform to the social standards of SPU. Non-matriculated students admitted to special programs of the University are expected to acknowledge these goals by maintaining the social standards of the institution whiles
related activities.

## PROGRAMS AND SERVICES

The following programs and services are designed for students to make the most of their education.

Campus Life
The Office of Campus Life is dedicated to enhancing the community life at SPU. In conjunction with student organizations and University departments the Office of Campus Life: builds lasting reeationships, community partnerships and ense of responsibility to the community creates dynamic curricular and co-curricular opportunities sponsors social, educational and cultural programming to - sponsors social, educaionaa and cultural understanding for different lifestyles and cultures, encourages sudents to find innovative solutions for problen solving and conflict resolution,

- provides campus communication and information services
- articulates and implements University policy


## Campus Ministries

As a Christian University, SPU makes a deliberate attempt to promote the intellectual, spiritual, and social growth of all math. The first of the educational goals of the University is "growth toward mature Christian faith." Thus, as a part of our educational mission and philosophy, the University seeks to involve students in activities both in and out of the classroom which will expose them to a worldview and iecsyceations, lecture series, residence hall fellowships, opportunities to work with less fortunate people in our city and around the world, participation in the activities of a local church, and many other events which may be helpful to a student's growth in faith. The Office of Campus Ministries sponsors both on-and off campus programs promoting such growth. Chapel is an
opportunity to share in various forms of worship and learning opportunity to share in various forms of worship and learning
and to hear guest and faculty speakers, musical concerts, and to participate in student-led gatherings. Chapel attendance is required of all full-time undergraduate students. Further explanation of this requirement can be found in the Student Handbook.
Small groups that explore Christian faith in community exist for the resident and commuter student alike. Student Ministry Coordinators are students who are selected to help facilitate ministry opportunities in the traditional residence halls. An all-campus gathering, Group, brings Involvement gives students ministry experience in one of the
most dynamic urban centers in America. SPRiNT prepares and sends students to take part in cross-cultural ministry on a world-wide scale. Rurther intormation on these and other publications distributed by the Office of Campus Ministries.

## Career Development Center

The move from college to career represents a transition of major importance. The goal of the Career Development Cent to help SPU students make effective choices, plans and interests, and faith values.
Some of the career exploration services offered are individual counseling, vocational testing and classroom instruction. An extensive Career Resources Library contains information on occupations, employers, graduate schools, career planning and job search to
The Internship Program, coordinated by the Career Development Center, offers students opportunities to further clarify their career goals and gain professional experience in positions related to their academic studies. Internships are available in a wide range of industries and organizations including accounting, atvertising, banking, clothing design,
computer programming, international business, T.V. broadcasting, public relations, social service and recreation.
Job search assistance is provided through workshops on topics such as resumé writing, interviewing skills and job search strategies as well as through individual counseling. An
on-campus recruiting program brings representatives from on-campus recruiting program brings representatives from school districts to campus to interview students. Job listings a available in notebooks in the Career Resources Library and are listed in newsletters available by subscription. A comprehensive placement file system is maintained for School of Education raduates.
In addition to the above, the Career Development Center ponsors many events such as the all campus career fair and meet and talk with potential employers.
Center for Special Populations
The Center for Special Populations offers services and support returning adultl learners. Center staff promote caspll as awareness on issues of diversity by offering programs like Martin Luther King Chapel, Native American Week and International Week. All students are invited to learn more bout cross-cultural and individual differences by participatin c cadres, seminars and fellowship activities with learning and other disabilities to promote academic and co-curricular program accommodations. Any otherwise qualified student with a disability requiring special assistance should contact the Center for Special Populations (Tiffany Ha 100; 206/281-2475) to make arrangements for an intake Students are required to provide documentation of the nature their disability to qualify for service and academic accommod tions.
Acad
Academic learning services for all undergraduates are covsided by the Center through classes, seminars, tutoring and consultations. Many students participate in the ACCESS support and advising. For more information on ACCESS see page 10.

Watson Center - Counseling and Health Services The Counseing Center, staffed by mental health professional provides educational programs, personal development the fears, guilt, issues and struggles they may face as they grow toward a balanced, healthy life. Additional programs and services in health and wellness are provided through Health Services, staffed by medical professionals committed to physical as well as emotional and spiritual well-being.

## RESIDENTIAL LIFE

SPU takes pride in the fact that their education program goes beyond the classroom by pronusing SPU provides housing for approximately 1,200 undergraduate students in traditional and non-traditional setting. The traditional halls vary in size from 120 to 400 residents. These halls are typically divided into floors containing two-person rooms, common bathroom facility and in most cases, a floor desks, dressers, chairs and a telephone. Non-traditional halls are University-owned apartments for two or four students and nclude kitchens. Returning students are given priority for living in these apartments. Traditional residence halls are closed during the vacation periods as indicated in the residence hall contract
families. Two guest housing units are available at a minima comilies. Two guest housing units are avaliable at a minin
cost on visiting students.

## Campus Dining Services

All students who reside in traditional halls contract for one of four flexible meal plañs. In addition to offering continuous service and unlimited meals, the plans entitle participants to points that can be used in the board dining room, the snack bar, he convenience store or espresso cart. Meal plan option student, faculty and staff member.
The goal of Campus Dining Services is to offer a variety of nutritious, high quality food, prepared and served by associates student to meals beginning with the evening meal the day residence halls open and ending with the evening meal on the
last day of examinations.

## Determining Residence Status

SPU has a commitment to a residential learning community. For that reason, all undergraduate students enrolled for 9 or more credits are required to live on campus unless one of the following applies: The student lives at home with parents, legal guardians or spouse in the Seattle area; or the student is 21
years of age or older on or before October 1 to be exempt for the academic year, or on or before January 1 to be exempt for winter and spring quarters, or on or before April 1 to be exempt for spring quarter; or the student has achieved senior status (completed 135 credits) prior to the beginning of autumn quarter to be exempt for the academic year, or prior to prior to spring quarter to be exempt for spring quarter.
prior to spring quarter to be exempt for spring quarter.
Infrequent exceptions to this policy are made if unusual circumstances warrant such a decision. Students who believe they have circumstances warranting special consideration to University Services by completing an Off-Campus Housin described.
Petitions for off-campus housing must be received by the Office of University Services no later than June 1 for the subsequent academic year.
Further information regarding housing and food service is available through the Office of University Services, (206) 281-

Housing Registration
All students living off-campus must complete and return an Off-Campus Housing Registration Card to the Office of University Services.

Students planning to live in the residence halls must and submit it with the $\$ 300$ advance payment to the Office of Admissions. (\$100 is for the Room Reservation Deposit.) Room assignments are made according to a priority system which includes the date on which the On-Campus Housing Application Card and the advance payment are received by best selection of residence hall space.

## INTERCOLLEGIATE

 ATHLETICSThe mission of intercollegiate athletics at SPU is to prepare student-athletes for dynamic Christian living, leadership and dedicated service by the integration of Christian principles and values through physical performance, while participating in intercollegiate sport at the highest level possible

We believe that intercollegiate athletics is a means to an end, not an end in itself, that the process is as important as the product and the person is more important than the program.
The intercollegiate athletic program offers opportunities for students to compete in several sports. As members of the NCAA Division II, the Falcons field intercollegiate teams in the following sports: men's and women's basketball, crew, cross-
country and track and field; men's soccer, women's gymnastics and volleyball. The Falcons have enjoyed outstanding regional and national success over the years and compete against NCAA Division I universities as well as local NAIA schools while they
compete for championships in NCAA Division II.

The Intramural-Recreational Sport Program
comprehensive program of intramural competitions and recreational sports activities is available for all students. These include organized tournaments, small group instruction, and free play. Recreational facilities are open to students seven days a week during the academic year. Clinics are available during the first week of an intramural season. For credit, a student must attend alc clinic sessions and participate
team. Call $281-2881$ for further information.

## OMBUDSPERSON

The service of an Ombudsperson is available to all students to assist in the resolution of problems and to enable the Seattle Pacific community to better meet students' needs. Working
together with University staff and the sudent the together with University staff and the student, the problems. The individuals serving this role within the University are the Vice President of Enrollment Services and the Dean of Student Development and Campus Life. Upon request, the student is apprised of the appropriate process of appeal within any office or area of the University. This process is outlined in the Student Handbook. To appeal a
decision to an Ombudsperson, a student must first complete the office or area process of appeal. This process is typically a written appeal to the department head, the director or an appeals committee within the office or area.
If the student is not satisfied that his or her interests were properly served by the area appeal process, an appeal may be should include all information which was submitted through the area appeal process. The Ombudsperson will review the written materials and discuss the appeal with the director or department head involved and with the student. The decision of an Ombudsperson will be communicated in writing to the student within two working days. A copy of the
letter will be sent to the department head or area director. The decision of an Ombudsperson is final.

## ACADEMIC POLICIES AND PROCEDURES



## Academic Policies and Procedures

## ACADEMIC ADVISING: Key to Successfu

 Academic ExperienceOne of the primary factors contributing to a successful academic experience is the positive relationship built between students and faculy. Academic advisors reach out to sudents to assist them through the University system and to enable them
to fuffill their educational goals. Students have the responsibility of seeking out their academic advisor for assistance in clarifying goals, exploring areas of interest, and selecting
classes each quarter. While the University makes every
effort to assist students through the academic all academic and graduation requirements rests with each individual student.

## Initial Advisement and Registration:

Premicre
All new undergraduate students, including transfer students, teceive initial advisement and register for classes as part of the Premiere program before the first quarter of matriculation. Premiere is a one-day program which provides students with
the opportunity to confer with an advisor about the selection of classes, register for classes, receive an official university ID card take the required Math and English proficiency tests and make financial arrangements. Once students have completed Premiere, they will be prepared to go through new studen

## Assignment of Advisors

The Director of Faculty Advising works with counselors in Registration and Records to assign faculty advisors for all new undergraduate students enrolled for 10 ciedits or more. Students who are undecided about a major are assigned a premajor faculty advisor who assists students in clarifying goals and exploring areas of interest. students are notified or their
advisor assignment when they receive their registration packet for the subsequent term. Students may request a change in advisor, particularly if they have decided to pursue a major or have developed different interests. Advisor change request form are available in the Office of Registration and Records and in
school and department offices.

Counselors for Registration and Records Every student is assigned a counselor who follows a student's progress from admission through graduation and works closel
with that student's appropriate progress toward graduation. These counselors evaluate transcripts of transfer students as well as SPU student records. When a student applies for graduation, counselors and
faculty advisors will consult with one another to confirm the student has completed all necessary requirements

## STANDARDS OF SCHOLARSHIP

Emphasis on Scholarship
eattle Pacific University seeks to inspire in each of its students a sincere appreciation for genuinely scholarly work and an arnest desire to study. Te faculty/student Undergraduate Policies and Evaluation Commiittee has immediate jurissiction to the faculty for maintenance of Univiversity standards.

## ACADEMIC HONORS

## Dean's List or Quarterly Honors

Quarterly honors are awarded to those undergraduate and postleast 12 hours of work and attained a 3.50 or higher grade point average. Students who have earned any of the following grades will not qualify for honors: E, , NC, I, N or 0 (blank, no grade submitted). However, once the temporary grade of $\mathrm{N}, \mathrm{I}$ or O has een replaced by the grade earned, honors may be awarded to qualified students.

## Graduation Honors

Baccalaureate degrees will be conferred with honors for undergraduate and post-baccalaureate students based on the
ollowing criteria:

1. The student must have completed 75 quarter hours in
residence with junior and senior standing at SPU
Honors are based on the SPU GPA only
2. All courses taken at SPU (except ESL courses numbere below 1000) are included in the GPA for honors and must meet the minimum grade point average required for the honor.
3. Honors for a second baccalaureate degree 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 degrees during summer quarter are not eligible for recognition until completion of all degree requirements..
$\frac{\text { Honor }}{\text { cum laude }}$
magna cum laude

## The President's Citation

The President's Citation is awarded each year to the 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 his/her university work at SPU and must have adhered
consistently to the ideals of the University. An academic policies committee will make the selection.

## Alpha Kappa Sigma

Undergraduate students who have earned 90 credits at SPU and who make an outstanding contribution in upholding and promoting the standards and ideals of the University and who ment, and extracurricular activities may be eligible for election
the honor society Alpha Kappa Sigma. This honor society has chapters in all the colleges of SPU's sponsoring denomina-
ion. During their senior year, candidates are recommended by academic policies committee and elected by vote of the faculty.

## Honoraries

The Ivy Honorary, a chapter of National Mortarboard, Inc., lects students for membership at the end of their unior year who have distinguished themselves through scholarship, cadership and service. Other SPU honoraries include wrice honorary) Order of the S (athletics) Sigma Beta Delt 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 eadership in co-curricular activities. Candidates are recommended during their senior year by the faculty.

## Academic Integrity

As a part of the Seattle Pacific community, students are expected to exhibit academic integrity. The University expects trive towards doing their best work. Seattle Pacific does not permit dishonesty, such as cheating, plagiarism or other academic misconduct. Both the student and instructor have bbigations to report and prevent academic misconduct. In the ent academic misconduct is suspected by the instructor, the suidelines printed in the Student Handbook on Academic
Integrity will be followed

## THE ACADEMIC LOAD

Definition of Credit. One "credit" signifies the value owards graduation of a class meeting one period of fifty inutes each week for a quarter of approximately 10 week ogether with satisfactory completion of the assigned out-of-class work. Two (and sometimes three) fifty-minute uch 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 th tudents will spend at least two fifty minute periods of wo utside the classroom for each fifty minutes in class. and post-baccalaureate students is determined by the following

| $12-17$ credits | Full-time |
| :--- | :--- |
| $9-11$ credits | Three quarter time |
| $6-8$ credits | Half-time |
| $1-5$ credits | Lest than half-time | 5 credits Less than hall-time efers to the schedule of studies for which the student is egistered. Twelve to 18 credits are considered a regular academic load for undergraduate and post-baccalaureate udents.

By special permission from the University Registrar, Indergraduate and post-baccalaureate students who maintain many as 20 credits. Under no circumstances will any student e allowed to register for more than 20 credits including physical education and all fractional credits. It should be noted hat there is an additional tuition charge for 18 or more credits.

Courses taken concurrently by media, correspondence, extension in another institution, and non-credit courses count as part of the academic load.
Reduction or Limitation
student's acadenic ladion of Load. An undergraduate from the University Registrab for low scholarship. Experiience suggests that most students should limit academic load in proportion to hours of employment outside of school hours. The following schedule suggests a relationship between the student's academic load and outside work:
OUTSIDE WORK PER WEEK .......... LOAD RECOMMENDED 14 hours or less ...........................................1-17 credits 30 hours or less ..................................................-14 credits More than 30 hours ....................................... $6-10$ credits Eligibility for Honors and Activities. Students who are registered for less than a aull-time academic load are not eligible to be rated for scholarship honors. To participate in
some extra-curricular activities, students must maintain a some extra-curricular activities, students must maintain a
satisfactory cumulative grade point average. Consult the office of student Life for specific requirements. Specific Athletic Eligibility. Except for participant men's basketball, women's basketball and volleyball, a freshman must be currently registered for 12 credits and must have passed at least 12 credits the previous quarter. A person in
his/her fourth quarter must have a 175 GPA either cumulatively or for hisher previous quarter. From the fifth quarter on, a student must have a 2.00 GPA, either cumulatively or in his/ her previous quarter.
Freshmen in men's basketball and women's basketball and volleyball must also be currently registered for at least 12 credit and must have also passed 12 credits the previous term. a 2.0 GPA , either cumulatively or in the previous quarter

## 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 2.00 ; the second consecutive quarter the cumulative GPA remains below
2.00 , the student will be placed on second quarter academic 2.00, the student will be placed on second quarter academic remains below 2.00 , the student will be dismissed from the University. The academic dismissal will be noted on the student's academic record.
Once on probation, any student who earns a quarterly GPA 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. Students on first-quarter probation are required to meet with their counselor in the Office of Registration and Records 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 cuarter or the registration will be withdrawn. 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. 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 whend dismissed; the student may not use grades from other colleges and universities to rasis the 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 2.40 or higher or a cumulative GPA of

200 or above by the end of the first quarter that person returns. If a student on academic probation leaves the University, hat person resumes the same probation status upon returning as when leaving. The student is removed from probation at the of the quarter in which a cumulative GPA of 2.00 or better removed from academic probation

## GRADING SYSTEM

Grades and Points
Except in cases of clerical error, no instructor may change a grade which he/she has submitted to the Office of Registraul
and Records. 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 cred 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
Astudent'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/she received a regular grade during the same period. For example, if a student earns 45 grade points during quarter in which he/she is enrolled 15 credits, his/her GPA for the quarter will be 3.00 .

| 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 | Satisfactory Attainment |
| C | 2.0 |  |
| C- | 1.7 |  |
| D+ | 1.3 | Insufficient Attainment but with |
| D | 1.0 | credit allowed |
| E | 0.0 | Insufficient Attainment with no |
| credit Allowed |  |  |

Use of I, N, G, W Grades
The " I " grade (incomplete) indicates that the student did not 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 writen recommen dation of the instructor. The authorization form must be student must initiate the request for the "I" grade as well as its

## STUDENT TRANSPORTATION POLICY

Academic courses usually do not require the transportation of SPU students from campus to another location unless so stated the remote location, students will be required to provide their own transportation to the site. Unless specifically stated, the University normally assumes no ressponsibility for determining transportation of students to the site of a course.
Unless specifcally stated the University is not transportation of students 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 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 Finance.
REGISTRATION AND Records Policies AND PROCEDURES

## Changes in Registration

While choices made during the registration period are considered permanent, changes are permitted through the first week of each quarter. The deaddine for adding courses is the
fifth day of the quarter The deadline for withdrawing from courses is the sixth week of the quarter. Specific dates for these registration deadlines are printed in the University Calendar located at the front of the Catalog and Iime Schedule. Changes must be submitted to the Office of Registration and Records on the Add/Drop Form. Each student is allowed one free change of registration per quarter as long as that change is subbmitted by
the Cniversity deadline. Students may change from aidit to credit or vise versa during the add period. A Change of Registration Fee will be charged for the second and each subsequent change.
Adding Classes and Late Registration Students are permitted one free change of registration each. quarter, as long as it is submitted by the fitth day of the quarter
(reere to University Calendar for specific dates). Students may not attend or sit in classes inless officially registered by the fifth day of the quarter. Any class additions after this date will be individual basis individual basis.
An exception to registration policy may be considered after the fitth day of the quarter if the stucent has received the
instructor's written consent to accept the student as a late registrant. In all cases, the final decision to approve or deny late registration will be made by the office of Registration and Records. Each late course addition will incur a Late Registra-
tion Fee.

Complete Withdrawal from School A student who desires to withdraw from school must obtain an official Add/Drop Form from the Office of Registration and Records or subumit a letter requesting a complete withdrawal. associated with tuition prior to withdrawal. Refunds and financial policies printed in the Costs section.
A student who registers but does not attend classes must notity the Office of Registration and Records in writing in order cancel the registration and related charges. The date this determine the amount of refund where applicable.

## Withdrawal from Classes

Ificial withdrawal during the first and second week of the uarter will not reflect any record of the class on the transcript. "值" withariawal during weeks hree hrough six will result in W" appearing on the transcript. If a student does not provid Records financial obligations will remain binding regardl of whether classes were attended or whether any contracted services were utilized.
The deadline for withdrawing from courses is the end of the sixth week of the quarter. Students are permitted one free change of registration each quarter, as long as it is submitted
by the University's deadline. A Change of Registration Fee will by the University's deadiline. A Change of Registration ree wil
be charged for the second and each subsequent withdrawal.

Changes in Personal Information It is the student's responsibility to notify the University of any nable the University to forward quarterly grade reports, student acount stanements to forward quarterly grade reports, stude udents. Change of Address Forms are available in the
 student Accounts, and Residence Life.
Students who wish to change their name (e.g., due to change in marital status) or student identification number, need to provide the Office of Registration and Records with the official documentation for the change (e.g., copy of marriage
license, copy of social security card).

## Credit By Examination

Gurrently enrolied matriculated students may take special xaminations in approved academic subject matter offered by PU to gain credit without being enrolled in specific courses. The procedures for obtaining permission and filing the reques
are to be obtained in the office of Registration and Records. The following limitations pertain to credit by examination 1. A student may receive credit by examination for any coursework which has been completed following high school graduation for which he/she has no formal

## record.

2. A student may be tutored by a private instructor and challenge a course for credit by examination. course in which he/she has been registered for credit at SPU and received a "D," "E," "NC," "Audit," or "Incomplete,"
A student may earn a maximum of 45 quarter credits by examination, including SPU Challenge Examinations,
Advanced Placement (AP) and College Level Examina tion Program (CIEP), and the Proficiency Examination Program (PEP), none of which will apply to the 45 hour resident requirement.
.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.
3. A student may not repeat an examination for credit lower-division courses in the student's native language if that language is other than English. . A student is entitled to only one consultation with the professor administering the test. A studen ast pay for special exam fees prior to receiving approval to take the exam.

## Graduation

Application forms for undergraduate or second baccalaureate degrees are available in the Office of Registration and Records. students may apply for graduation no earlier than one year in advance of their intended quarter of graduation. Graduation application deadlines are: Spring/Summer sutumn
Deadline
December 1
June 1
September 1

September 1
Students who meet the graduation application deadlines will receive information on their academic progress prior to their anticipated quarter of graduation.

## Student Class Status - Definitions

 For convenience in organization, matriculated students are Classified at the beginning of each quarter according to the Collowing designations (note: undergraduate, post-baccalaure te and graduate definitions ,Undergraduate Students
Freshmen - Students having less than 45 earned credits; includes SPU and transfer work accepted.
ophomores - Students having 45-89 earned credits
ocludes SPU and transfer work accepted
uniors - Students having 90-134 earned credits; includes
Seniors - Students having at least 135 earned credits; includ SPU and transfer work accepted. (Senior status does not necessarily insure graduation with that class.)
Post-Baccalaureate Students
Post-Baccalaureate Students
Students who have received the baccalaureate degree and are seeking a second bachelor's degree or initial certification. Admission to this classification is by application only.
Graduate Students
aster's or doctoral candidates. Admission to this classification
adent Enrollment - Definitions
Matriculated Students - Students who have fully met all e requirements for admission and have registered for the uarter (designated as undergraduate, post-baccalaureate, raduate or doctoral students). A limited number of students ho do not meet all the admission requirements may be 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 hours per quarter while adjusting to the academic
expectations of SPU.

Non-Matriculated Students - Students who are not seeking a degree and are allowed to attend SPU without submitting the credentials required for admission with regular status. 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 be applied to a post-baccalaureate degree, nor can more than 9 such credits apply toward a graduate degree. A later decision to work on a degree or certificate program will necessitate formal application and admission to the University as a "regular student."
who wish to attend classes but who do not desire credit. With approval from the instructor concerned, auditors may register for audit in all undergraduate courses, and most 6000 -level courses. Students may change from audit to credit or vise versa during the quarterly add period which 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 do daily assignments, the instructor is under no obligation to
read or correct them. 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 auditors will be equal to the tuition credit rate.

Transcripts
Official transcripts are released only on written authorization of the student whose records are requested. A $\$ 3.00$ fee for each official transcript is charged. The University reserves the right to deny official transcript services for indebtedness to the institution. Each official transcript contains the student's entire record while at SPU. Official transcripts may be released to
students. Students may request an unofficial copy of their transcript at no charge. If the student has an account, official transcripts are only released if the account is paid in full. Transcripts contain the student's entire academic history while at SPU. Undergraduate, graduate, doctoral work and
CEU's are segregated on separate pages of the SPU transcript CEU's 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 the Office of Registration and Records. The letter needs to include: name the student attended under; social
security number; the last quarter and year the sudent attonded; if student is enrolled in a current quarter of instruction and the number of classes enrolled in for that quarter; and the number of official or unofficial copies required.
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 erron
Under unusual circumstances, students may find that they require an official copy of the transcript on an immediate basis, Registration and Records to make the request. For an Registration and Records to make the request. For an
additional $\$ 25.00$ special handling fee, the office of Registr tion and Records will provide students with an official copy of their transcript.

BACCALAUREATE DEGREE REQUIREMENTS


## Baccalaureate <br> Degree <br> Requirements

SPU. All degree requirements for a major or minor are based on the Catalog year when the major or minor is declared. For example, a student declaring a major in
autumn 1995 is subject to all major requirements listed in the $1995-96$ Catalog. 11. Policies and procedures for determ
baccalaureate degree completion:
a. A written application for a degree is to be made by the student. Deadlines for applications appear unde. the Graduation section on page 42 .
b. Alater than within the fourth week of the first quarter of enrollment.
c. A student may change his/her application for a degree. If he/she wishes to change the date of degree completion or the major, the student is responsible
notily the Graduation Evaluator in the Office of notiry the Graduation Evaluator in the Office of
Registration and Records of the change at leas 12 weeks before the desired degree completion date. d. Failure to meet these specific requirements may result in a postponement of degree completion for at least one quarter.
e. All courses required for the degree in which the student received grades of " N " or " I " must be
completed before the degree completion date. f. Degrees will not be posted nor diplomas ordered until all requirements are completed.

## Specific Standards Governing the

 Completion of a Major. A major requires a minimum of 45 credits. A minimum of 23 credits is required in courses numbered 3000 -
4999 , although some programs recuire more. No mo 4999, athough some programs require more. No mo
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 3. Major requirements must be met in . recuirements of proficiency in det th and These specified in the sections of the Catalog assigned to the various schools or departments of the University. These requirements state total credits, upper-division credits, prescribed courses and supporting courses. For a 1 Instruction.
4. A transfer student must earn a minimum of 15 upper--division credits in a major at Seattle Pacific University.
5. Course work with a grade below "C-" (1.7) may not be 6. The student must a
6. The student must apply for admission and be accepted major. This determines the Catlog wheser which major requirements will be applied.
7. The school or department in which a student completes a major must certify to the University Registrar that he/
she has satisfactorily met the evaluative and proficiency she has satisfactorily met the evaluative and proficie
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 simultaneously to earn a double major.

## Specific Standards Governing the Comple-

 tion of a Minor1. Students are not obligated to specify a minor area of study in order to receive the B.A. or B.S. degree However, a a tudent must be working towards a major in order to earn a minor.
2. A minor requires a mininimum 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 Catalog. For a list of approved minors, see the Catalog section entitled Areas of Instruction.
3. Transfer students must earn a minimum of 15 credits in a minor at SPU, 10 credits of which must be in courres
numbered $3000-4999$.
4. Coursework with a grade below "C-" (1.7) will not be applied to a minor.
5. In some cases it is necessary to apply for and be accepted for the minor field. This determines the Catalog under
which minor requirements will be applied. The school or department in which a student completes a minor must certify to the University Registrar that he/she has satisfactorily met all requirements for the minor.
Limitations on Credit Applicable Toward a Degree
6. No more than 30 credits earned via correspondence and or media courses (i.e., courses marked " $M$ ")-
inclusive of both residence and transfer creditsbe applied to a bachelors degree. No more than 5 of these credits may be applied toward the foundations requirements. If only 5 foundation credits are required, then a non-media course must be taken. Exception: Existing Washington State community college associate degree transfer agreements will be honored. 2. Seatte Pacific C University may accept up to 90 credits
combined total from a community college junior college, unaccredited Bible college or institute or AP/ CLEP/PEP credits toward a baccalaureate degree. See limits under Gredit by Exam.
7. A student may earn up to 10 credits towards a baccalaureate degree in skills courses approved by the Under-
graduate Policies and Evaluation Comitte
8. Students may enroll in 5000 level courses but they will not apply to undergraduate degree program requirements at SPU.
9. Prerequisite to taking a media course in Biblical Literature, undergraduate students must have junior or
senior standing and must document prior completion of a regularly scheduled course in either Introduction to the old Testament or New Testament to obtain
6 permission of the instructor to register
10. Credits in excess of 45 taken as a non-matriculated 7. Creditent in will not appess of 15 towards an undergraduate degree. lated student may not be applied to a post-baccalaureate degree.

## Transfer Students/Foundations

## equirements

## Additional Bachelor's Degree

 A second bachelor's degree may be earned upon completion of the following conditions:1. If the first degree was earned at SPU, 15 of the 45 credit 2. If the first degree was earned at another instirution by student who was at some point a matriculated SPU student, at least 30 of the 45 credits must be earned at
SPU SPU.
2. A student who has never before been matriculated at SPU must take all 45 credits at SPU.
3. No more than 15 credits taken as a non-matriculated student
degree.
4. At least
5. At least 15 upper-division credits in the major must be earned at SPU.
6. Of the 45 credits required for the second degree, up to 15 credits may be earned prior to the granting of the minimum (usually 180 quarter credits) required for granting the first degree.
7. All specifified requirements for the second degree must be fulfilled. A minimum of 5 Biblical Heritage credits must betakelor's degree.
8. The student must apply for admission and be accepted by the school or department in which he/she declares a major. This determines the Catalog under which major requirements will be applied.
9. An additional degree is distinguished from multiple majors within a single degree. To earn multiple majors Specific Standards Governing the Completion of a Major.

## Writing 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 3000 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 for how it is said. These courses normally provide opportunities for revision as well.
6. The last 15 credits prior to degree completion must be
earned in residence.
7. Achievement of satisfactory scores on required diagnostic tests in mathematics and standard written English or
8. Satisflactory of completion of an academice majo
9. Incoming freshmen and sophomores are required to complete 8 credits in writing courses, incoming juniors are
required to complete 5 credits, while incoming seniors are required to complete 5 credits, while incoming seniors are Courses on page 45.)
10. Students are expected to declare a major at the start of their junior year. Declaration of major forms are available in th school or division office. Students will be notified by the declared a major but have completed 120 or more credi

## THE FOUNDATIONS <br> AND GENERAL EdUCATION PROGRAM

## Based on the Christian

Scholar-Servant Model
Seattle Pacific University exists to provide an environment in which Christian scholars-both faculty and students-can grow in scholarship, service, and leadership. The program of this ideal of the Christian scholar-servant. Such a person, whether faculty or student, applies learning to personal development and leadership in human relationships to God,
knowledge, others, and creation. The faculty members of SPU commit themselves to such growth. Their goal is to be effective scholars in their disciplines and in the Christian faith. They commit themselves to a process of study and learning that becomes active in their lives through service to Christ. They invite the student to join them in this adventure in the
The foundational requirements introduce the student to the ways of understanding God and the world from the perspective
of the Scriptures, the world of ideas, the Christian theological of the Scriptures, the world of ideas, the Christian theological tradition, and the personal experience of values and faith development. The insights of Christian thought, meaning and values are focused on understanding the concepts of the libera
arts and professions. Students encounter the values of the Christian faith in terms of their own personal faith developme in relationship to Christ. They examine the Biblical heritage as the foundation of their relationship to God and the world. The then translate their understanding of the Christian thought an life to their own personal lives and to the needs of human society.
Gene
General ecucation requirements, which take the student and culture that equips the Christian scholars-servant for fective livinat equips the Christian scholar-servant for effective living in today's world. First one must encounter
oneself as an individual in the process of growth. To fuffill one's personhood, effective interaction with others is essential, one's personhood, effective interaction with others is esse mastered these skills, the student is prepared to study the for broad domains of human inquiry: society, nature, the fine arts, and the literary arts. To complete the process, the student must develop an understanding of how to integrate creatively into a society undergoing rapid change.
Accordingly, the foundations and general education requirements are designed to develop competencies. Diagnostic
tests measure basic abilities in math and writing so that entering students can be advised into appropriate courses. The Christian scholar-servant should also be competent in articulating bases of the Christian faith, recognizing relationships between Christian faith and living, reasoning and appreciation and the application of skills in caree development. The program is specifically designed to achieve these and certain other competencies in students. These abilities enable persons to become effective Christian scholars, servants, and leaders.

## PROFICIENCY TESTING PROGRAM

demonstrate at SPU and as a condition of graduation. Unless stipulated by their major, post-baccalaureate students are not required to take the proficiency tests. In order to determine competency are administered to incoming students. Exams are to be taken before or during the first week of study at the University. Students will not be permitted to register the second quarter until these tests have been taken or the student registers for all necessary remedial coursework. The tests are administered and at other times throughout the year.

## Math Skills

Competency in basic mathematics is essential in our technologically oriented society. Students are able to demonstrate competenc
following:
a. Receive a quantitative score of 500 or above on the SAT-I exam, if taken prior to April 1995. If the SAT-I is taken April 1995 or later, a score of 520 is required.
b. Receive a quantitative score of 21 or above on the ACT exam.
c. Receive a grade of $C$ ( 2.0 ) or better in MAT 1225

Calculus, or its college equivalent. (MAT' 1221, Survey of Calculus, does not meet this requirement.)
Proficiency Examination.
e. Complete all 5 credits of work in MAT 0120 at the required level of proficiency during the first year of enrollment.

The mathematics competency 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 MAT 0120 during the first year of registration. Before students are permitted to take any mathematics courses (other than MAT 0120) or any courses using mathematics, they must either pass the mathematics competency test or complete the required work in MAT 0120 .

## Writing Skills

Competency in standard written English is essential to Competency in standard written English is essential to
becoming liberally educated person and an able Christian communicator. Students may demonstrate competency in basic writing in one of two ways:
a. By scoring 500 or more on the SAT-I verbal test, if taken prior to April 1995.
b. By scoring 580 or more on the SAT-I verbal test if taken April 1995 or later.
c. By scoring 21 or more on the ACT test.
d. By passing the University's English Proficienc Examination. This test includes both a writing sample and a standardized test. The test may be repeated.
Any student whose scores on these tests fall below accepted college entrance levels will be required to make up the college entrance levels will be required to make up the
deficiency during the first year of registration at SPU throug prescribed work in ENG 0101,0102 and 0103 as needed. Such students must take ENG 1105, Writing in College, as their Ora or Written Communication general education requirement. Before students are permitted to take the general education core course in written communication, ENG 1105 , Writing in
College, they must demonstrate the written use of standard

English sentences, accurate placement of verbs, pronouns, modiners in such sentences, and effective diction. For those not mentioned above, courses preliminary to the cod by the tests mentioned above, courses preliminary to the core course are required in Engish olisidid hese and other writing skills. enroll in ENG 1105. Such skill building may take from one to three or more quarters to achieve.
Students are required to demonstrate minimal competence in standard written English as a condition of graduation. Those failing to perform at satisfactory levels must complete competence is certified to meet the required minimal standard for graduation.

## FOUNDATIONS PROGRAM (15 credits)

1. ChRISTIAN PERSPECITVE
hoose from among the following courses:
PHI 1100 or PHI 3100 Faith and Philosophy (5)
PHI 3340 Values, Faith and Social Issues
PHI 3705 Ethics: Theories \& Issues (5)
REL 1501 Dynamics of Christian Formatio
REL 1610 or REL 3610 Christian Biography (5)
REL 1620 or REL 3620 Christianity in America (5)
2. BIBLICAL HERITAGE .................... 10 CREDITS meet Biblical Heritage foundations requirements student nay choose option a, b or c
by a specific study 3000 -level BIL Lourse (exe, followed 3101 or BIL 3201) such as BIL 3301 Genesis, BIL 3305 Isaiah, BIL 3401 The Life and Teachings of Jesus, BIL 3402 Acts: Vocation and Vision, BIL 3403 Paul and His Mission.
b. Choose one introduction course (BIL 3101 old Testament** or BLL 3201 New Testament**) followed by an appropriate, specific study 3000 -level BIL course.
Choose BIL 31010 Old Testament* and BL 3201 Ne. Testament ${ }^{*}$
pption a orb is recommended, although any BIL course may be aken for Biblical heritage credit provided prerequisites are satisfied.
*Can also be taken

## GENERAL EDUCATION PROGRAM

1. WELLNESS ................................ 3 CREDITS

FCS 1301 Wellness (HSC 1301 PE 1301 )
FCS 1301 Wellness (HSC 1301, PE 1301) (3)
PSY 2422 Psychology of Personal Growth (3)
2. COMMUNICATION (3-18 credits)

FOREIGN LANGUAGE
COMPETENCY $\qquad$ ....-15 CREDITS The required number of creditits is dependendent upon previous coursework or demonstrated competency. For a list of the section. ways to meet the requirement see the end of this

Electrical Engineering and RNB students are not required to ake foreign language courses. Students entering SPU with an AA degree (Washington State College Transfer Program or Central College, KS) have completed all general education, including (student-designed), communication, English, European studies and philosophy, please refer to the requirements for the major or additional foreign language requirement.

Ral Or WRite
Choose from among the follo..................
COM 1101 Intro to Interpersonal Communication (3)
COM 1301 Public Speaking (3)
ENG 1105 Wpiting in College (3)
ENG 1105 Writing in College (3)
NG 2215 Imaginative Writing (5)
ENG 3206 Technical Writing (3) [Writing course]
ENG 3207 Business Writing (3) [Writing course]
G 3208 Professional and Business
NG 3305 Advanced Expository Writing (3) [Writing course]
*See limitations on media courses on page 45
3. SOCIAL SCIENCES ( 15 credits)

OCIAL SCIENCE INTEGRATION ......... 5 CREDITS
Loose from among the following courses:
CEO 3170 Geopolitics (POL 3170) (5)
POL 1120 American Gov't \& Politicics (5)
POL 2330 International Relations (5)
SBS 1110 Self \& Society (5)
SBS 1710 Conflict \& Change in the Third World (5)
SOCIAL SCIENCE INTRODUCTIONS .... 5 CREDIT
Choose from among the following courses:
ANT 1110 General Anthropology (5)
ECN 1100 Fundamentals of Econ (5)
ECN 2102 Macroeconomics (5)*
POL 1110 Intro to Politics (5)
PSY 1180 General Psych (5)
SOC 1110 Intro to Sociology (5)
SOS 2310 or SOS 4310 Foundations of Social Service (5)
*Must take both to fulfill category requirements.
CONTEXTS FOR SOCIETY
HISTORY/GEOGRAP
Choose from among the following course..........
GEO 1110 World Regional Geography (5)
GEO 2207 Economic Geography (ECN 2207) (5)
GEO 3305 Urban \& Regional Planning (5) [Writing course]
HIS 1201 Medieval Europe (5) *
HIS 1202 Modern Europe (5)
HIS 1500 Intro to U.S. History (5)
HIS 2452 Mrodern G.
HIS 2452 Modern Global Systems (5)
HIS 2502 The U.S. to $1876(5)$
HIS 2502 The U.S. to 1876 (5)
HIS 2503 The U.S. since 1876 (5)
HIS 3345 Modern Russia (POL 3345) (5) [Writing course]
HIS 3440 Int'l Peace \& World Order (POL 3440 ) (5)
HIS 3501 Colonial \& Revolutionary
America (5) [Writing course]
HIS 3670 Ame
HIS 3670 American Foreign Relations
(POL 3670 ) (5) [Writing course]
His 3720 Rise of Islamic Civilization (5) [Writing course]
. NATURAL SCIENCES ( 15 credits)
Hint Sciences ....................... 10 CREDITS
ast 5 incude 5 credits from the Biological Sciences Categor BIOLOGICAL SCIENCES.
SOLO 1100 Bio Science (5)
101100 Individual \& Environment (5)
BIO 1111, BIO 1112, BI0 1113 General Bio (5 each)
BIO 2129, BIO 2130 Anatomy \& Physiology (5 each) * HYSICAL SCIENCES..................... 5 CREDITS CHM 1211, CHM 1212,
Chemistry ( 5 each)
CHM 2330 Organic \& B
HM 2330 Organic \& Biological Chemistry (5)
NMS 1135 Astronomy (5)
NMS 1150 Intro to Geology (5)
PHY 1101, PHY 1102, PHY 1103 General Physics (5 each) PHY 1121, PHY 1122, PHY 1123 Physics for
ouantitative reasoning. $\qquad$ . 5 CREDITS
Choose from among the following courses:
BUS 2700 Stats for Bus \& Econ (5)
HSC 4044 Biomedical Tests, Measurements \& Statistics (5) MAT 1221 Survey of Calculus (5)
AT 1225 Calculus I (5)
MAT 1521 Intro to Contemporary Math (5)
MAT 2530 Survey of Mathematics I (3)*
MAT 2531 Survey of Mathematics II (2)*
SOC 2360 Intro to Statistics in SBS (PSY 2360) (5)
*Must take both to fulfill category requirements; only for students who complete Education Phase I.
5. LITERATURE AND THE ARTS ( 20 credits)

LTTERATURE CORE .......................... 5 CREDIT
hoose from among the following courses.
EUR 1110 Heritage of Europe (5)
HOM 1110 Individual in the Literary World (5)
HUM 3110 Individual in the Literary World-M (5)*
See limitations on media courses on page 45.
IITERATURE OPTIONS $\qquad$ 5 CREDITS
Choose from among the following courses:
CLA 3204 Survey of Classical Latin Lit (LAT 3204) (5)
[Writing course]
CLA 3770 Classical Civilization (HISS 3170) (5)
ENG 2233 Issues of Faith in Lit (5)
ENG 3236 Shakespeare on Film (5) [Writing course]
ENG 3236 Shakespeare on Film (5) [Writing cour
ENG 3248 Non-Western Lit (5) [Writing course]
ENG 3334 A merican Ethnic Lit (5) [Writing course]
EUR 3247 Classics of Eastern Europe
Lit (5) [Writing course]
RE 2102, 2103 Niveau Intermed ( 5 each)
FRE 3205 Topics in French (5)
GER 3206 Topics in German Language and Literature (5)
HUM 3287 Myythology in Lit (5) [Writing course]
SPN $2101,2102,2103$ Intermed Spanish ( 5 each)
SPN 4401 Topics in Spanish Literature (5)
TRE 2420 Theatre \& Drama: Tragedy (5) **
*IRE 2420 and TRE 2421 may be taken for options credit under either Litterature or Fine Arts options but may not be
$\qquad$ 10 CREDITS Students are required to select courses from both Fine Arts categories with a min
credits from the Core
creants from the COR $\qquad$ .. 5 CREDITS

## Choose from among the following course

ART 1180 The Visual Arts (3)*
ART 1181 The Visual Arts Lab (2)*
ART 1181 The Visual Arts Lab (2)*
EUR 3100 Foundations of European
EUR 3100 Foundations of European Art (2)
FPA 1101 Arts in American Culture (3)*
FPA 1111 Arts in American Culture lab (2) *
FPA 4100 Arts \& Religious Experience (5)
FCS 1710 Design Fundamentals (5)
FCS 3870 History of Costume (5) [Writing course]
MUS 1600 Language \& Lit Western Music (5)
MUS 2604 The Enlightened Ear (5)
MUS 2604 The Enightened Ear (5)
TRE 1110 The Theatre Experience (5)
TRE 3780 Art of Film (5)
*Must take both lecture and lab simultaneously to fulfill calegry requirement

FINE ARTS OPTIONS .... MINIMUM OF 5 CREDITS Choose from among the following courses.
ART 1102, ART 1103, ART 1104 Drawing Studio (3 each)
ART 2302 Painting Studio-Oil or Acrylic (3)
ART 2422 Metais Studio (3)
ART 2425, ART 3425, ART 4425
Media Studio-Weaving (3 each)
Media Studio-Weaving (3 each
ART 2428, ART 3428, ART 4428
Media Studio-Ceramics (3 each)
ART 3602 Hist Ancient Art (5)
ART 3603 History of Christian Art (5)
ART 3604 Hist Renaissance (5)
ART 3606 Hist Asian Art (5)
ART 3607 Hist American Art (5) [Writing course ART 3609 Photography, History and Criticism (3)
MUS 1250 1251, 1252 Piano Class ( $1-3$ )
MUS 1260, 1261 Class Instruction: Voice (1)
MUS 2305, 4305 Women's Choir ( $1-2$ )
MUS 2350 or MUS 4350 Concert
MUS 2351 or MUS 4351 Symphonic Wind Ensemble (1-2)* MUS 2353 or MUS 4353 Symphony Orchestra ( $1-2$ ) MUS 2654 World Music (3)
MUS 2655 World Music Lab (2) (Must be taken simultaneously with MUS 2654)
MUS 3602 Magic of Opera (3)
MUS 3603 History of Christian Art (5)
MUS 4401 Song of the Church (3)
PHII 4785 Aesthetics: Art \& Human Values (5) TRE 1310 Acting I: Fundamentals (5) TRE 1320 Movement for Performing Artist (2) TRE 1930, TRE 3930 Performance Practicum (2) TRE 2420 Theatre \& Drama: Tragedy (5) *** TRE 2421 Theatre \& Drama: Comedy (5) **
*May be repeated for up 105 credits ** TRE 2420 and TRE 2421 may be taken for options credit under either Litterature or Fine Arts but may not be used for credit in both.

500 Fundamention certification students may take MUS 501 Elem Meth \& Materials (3), or MUS 3502 Music in Special Ed (3) toward Fine Arts credit.

For many students the General Education foreign language competency requirement will be met by taking a one year his requirement listed below

1. Show by your high school transcript that you have completed a third year course in a language (grades 9-
12) with a minimum grade of $C[20]$ in
2. Be a native speaker of a language other than English.
3. Attain a grade of $\mathrm{C}[2.0]$ or better in the third quarter or above of an SPU course in a language other than
modern English.
4. Obtain a professional reference attesting to proficienc in a language other than English. For example, a
student who has lived for years in another culure recuest 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 must have been taken at an accredited post-secondars 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 acchieve a "passing" rating in
a language other than Enolish. The test should be a language other than English. The test should be college or university and the results sent to the Office of Registration and Records. 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 Credits in
8. Take a CLEP test in a language other than English. score in the 50th percentile on a CLEP test is the minimum accepted by SPU.
9. American Sign Language (ALS) which has been taken at the college or university level may be used to fulfill
the SPU foreign language requirement if the time spen in classroom instruction is equal to the 15 credit requirement. No other forms of sign language satis the requirement.
Note: The languages offered through the regular curriculum at SPU are French, German, Latin, Russian and Spanish. Othe Studies in affiliation with the Washington Academy of Languages. A student wishing to meet the GE language
requirement by a competency test in a language other than one which is part of the regular curriculum will be assessed afee if
SPU arranges for the test in a language not taught at SPU.

## Foreign Language Substitution Policy for

 Documented DisabilityQualified students with current professional documentation of dess 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" the means to satisfy the general education foreign languag more information.

Requirements
A new general eduction program went into effect starting
1991-1992. For students matriculated under those earlier
Catalog requirements it may be necessary to approve substitute courses currently taught for courses which have been
eliminated. Students may apply or exchange any foundation or general education requirement which has been approved by the or subsequent catalogs, provided the specific categories have no undergone significant changes. Assistance in this process is available from the counselors in the Office of Registration and Records. Students may choose as an alternative to fulfill the requirements of the Catalog of the year in which they graduate See the University's Library or Office of Registration and
Records for a set of reference catalogs.

## Graduation Requirements Checklist

Students may wish to track their progress toward graduation by taking their quarterly grade reports, along with the General Education/Foundation section of the catalog and filling out the appropriate completed course checklist on the following page.

GRADUATION REOUIREMENTS CHECKLIST:
Seattle Pacific University (1995-96 SPU Undergraduate Catalog only)
NAME $\qquad$ _SSN $\qquad$ MATRICULATED IN 95-96 ACADEMIC YEAR

PROFICIENCY TESTS
These tesst must be taken before or during the
first quarter in which a student is matriculated.
English Proficiency Test: Date Taken
EEST Passed [] Writing Lab: $\qquad$ following: EEST is waived by ither of the following:
SAT YERBRLL $500+1$ If
If taken prior to to April 95

Math Proficiency Test: Date Taken MEST Passed [ ] Math Lab: $\qquad$ MEST is waived by either of the following:

SAT MATH $220+$ II If taken after April 95
ACT MATH
Calculus I (transferred from another college witl
${ }^{2}$ Calculus 1 or branterserred

## "W" (Writing) Requirement

 Fresh/Soph (8), Juniors (5), Senior ( 3 creditis)Only uper-division courses may apply here.
COURSER
$\qquad$
$\qquad$

FOUNDATIONS REQUIREMENTS
These must be completed at SPU or another
hhisitian College (with some restricions)
he number of credits to be completed is
Freshman \& Sophomore - 15 creditis required
Junior - $\quad \begin{aligned} & 10 \text { credits required } \\ & (5 \text { credits of categry II are waived) }\end{aligned}$
Senior - Only 5 credits in category II required
I. Christian Perspectives (0-5)
II. Biblical Heritage ( $5-10$ )

GENERAL EDUCATION REQUIREMENTS $56-71$ creditist

1. Wellness (3 credits)

MINOR $\qquad$ electives
 Below is a list of some of the requirements which apply to all undergraduate degrees:
Of the minimum 180 credist required for
graduation, 60 must be completed at the uppergraduation, 60 must be coml.
division ( $3000-4999)$ ) evel.
At least 45 credits must be completed at SPU as a oolly one y suduent, including the final 15 . If only one eeara f ftudy is completed a t SPU it
munt be the senior year.
All grades in the major must be C-(1.7) or above. Students must achieve a 2.0 cumulative GPA in all surres earned at SPU as well as in all courses

Transerer sudents must complete a minimum of
upper-division creditis in the major at SPU. Each student must apply to and be accepted by the Each student must apply to and be accepted
school in which heshie declares a major.


## 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's mission is one 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 which 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 <br> STRUCTURE

COLLLEGE OF ARTS AND SCIENCES
Division of Fine Arts
Art
Theatre
Division of Humanities and Religion Communication and Journalism
English
Foreign Languages and Literatures
Philosophy
Religion
Division of Science and Engineering
${ }^{\text {Biology }}$
${ }^{\text {Chemistry }}$ Computer Science
Engineering
Mathematic
Physics
Pre-professional Programs


An outstanding education begins with the liberal arts. Here students become broadly educated at the same time they achieve mastery in their chosen fields. At Seattle Pacific University we believe an education of both breadth and depth is preparation for a
productive and
meaningful life."
Philip W. Eaton

General Studies courses
College courses
University Scholars Program
General Studies major
SCHOOL OF BUSINESS AND ECONOMICS SCHOOL OF EDUCATION

SCHOOL OF HEALTH SCIENCES


* Student-Designed Majors

The Un) and clinial fars two doctoral programs in education (Ed.D.) and clinical family psychology (Psy.D.)


## HOW TO READ <br> CATALOG COURSE INFORMATION

The following information is provided to help you understand course listings:
Subject Code:
Sulject Code: This contains the abbreviation of the discipline of the class, e.g., MAT for mathematics.
Subject Number: This is the course number wh Subject Number: This is the course number which used to designate continuing education units or courses offered for credit which is not applicable toward a degree. Courses numbered 1000-2999 are designed primarily for freshmen and sophomores and courses numbered $3000-3999$ primarily for juniors. Courses numbered $4000-4999$ are primarily for
seniors, but may also be suitable for fifth year and other po baccalaureate students. Courses numbered $5000-5999$ are post baccalaureate, continuing education courses which cannot be applied toward fulfillment of a undergraduate degree
requirement. Courses numbered 6000 -6999 are designed for master degree programs and $7000-7999$ for doctoral degree
programs. . Note: 3000 and 4000 level courses fulfill upperdivision degree requirements.
TTitle: Tittle of the course. In the Catalog, a title which 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
at the time of registration. Description: A statement which provides information about
the course. Some courses will contain additional information the course. Some courses will contain additional information
related to prerequisites, course fees or long distance learning related to prerequisites, course fees or long distance learning
options, known as media (e.g., cassette, videocassette, options, known as media (e.g., cassette, videocassette,
television). Prerequisites need to be fulfilled prior to registering for the listed course.
Repeat Limits: Courses which may be repeated for credit state the number of times the course may be repeated or the maximum number of repeatable credits. Courses which have been identified as repeatable will appear multiple times on a
transcript and will have the credits and GPAs' calculated into 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 9 will be applied.
Co-requisite: Classes noted as co-requisites require concurrent registration with the original listing. Students must enroll during the same quarter for all courses listed as corequisites
. Gasses noted as equivalent means the owards graduation if they enroll in bo will not receive credit equivalent courses may substitute for one another during th degree audit process or when repeating a class (see repeat rules, page 9).
Attribut
atibutes: This information details how the course will be audit). Attributes incting a graduation evaluation (degree e taken vitributes include writing courses or courses which may be taken via media.
Registration Restri
Registration Restrictions: Registration restrictions have been designated for certain courses. The phrase "Class Open
To:" identifies who may register for the course The prese "Cliass Not Open To:" identifies who may nouse enroll l in the
the course. The registration restrictions may be based on student level, student classification, or declared major.

## SAMPLE COURSE DESCRIPTION

| Credits | Subject Code \& Number | Titile | Description |
| :---: | :---: | :---: | :---: |
|  | ENG 4940 COOP EDUCATION; ENGLISH INPRRSHIP |  |  |
| (1-5) Permission of instructor required to register. Applies |  |  |  |
| writing skills in varied employment settings; possibilities |  |  |  |
| include public relations offices, newspapers, and other informational services. Students may surgest 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 Equivalents: |  |  |  |
| JRN 4940 Class Open to: Junior, Senior: Attributes: |  |  |  |
| Course |  |  |  |
| Repeat | Registration | Attribules |  |
| Limit | Restriction |  | Equivaient |

## ocial change

ANT 4450 Understanding Cultural Change (5)
SOC 4240 Social Movements and
Collecti
Electives.... Total ...

## ANTHROPOLOGY Courses

Kenneth Tollefson, Advisor
The anthropology track within sociology is a selected program of courses designed to provide basic understanding, research techniques, and interpersonal skills. This track equips student to work with people in a variety of social settings: business, ethnic groups, and other similar settings. Serious students wil seek advanced studies in graduate schools offering the seek avvanced studies in graad
particular emphasis desired.
Anthropology is the comparative study of human cultures past and present. Anthropologists study the diversity of human nstitutions in order to gain a better understanding of the rang and influenced by culture. People perceive the world, relate to one another, and adapt to change through learned value ystems which give meaning to life, define human relationhips, and interpret behavior
Requirements for the Anthropology Track hose desiring to major in the anthropology track within ociology will take 50 credits including the following required courses:
ANT 11110 General Anthropology ................................ 5
NT 2250 Cultural Anthropolog
TT 4855 Solving Human Problems:
Applied Anthropology
SOC 3367 Urban Society

SOC 2360 Introduction to Statistics in Social and Behavioral
ant 1110 general anthropology (5) Provides a survey of the sub-disciplines which make up anthropology: physical anthropology, archeology and culltural anthropology. A cross-cultural study of the physical and cultural changes experienced by humankind
response to a continuous process of adaptation, change and response to
development.
ANT 2250 CUltural anthropology (5) Focuses upon the comprarative study of human cultures: technological, economical,
social, political and religious systems with examples drawn from social, poilitical and reiigious
selected cultures of the world.
ANT 3310 NORTH AMERICAN INDIAN CULTURES (3) Includes a descriptive and historical survee of native North American
cultures alon with an analysis f historical and contemporary problems of acculturation. Offered alternate years
ant 3315 People and cultures of the pacific isles (3) Surveys and analyzes the native cullures of the Oceanic Islands: Polynesias, wisionaries, traders and government workers, the "cargo European missionaries, traderss and government workers, the
cults" of Melanesian and present-day native societies. offered alternate years.
ATT 3360 IND
ant 3360 indian cultures of the pacific north WEST (3) Gives a comparative study of Native Americans of the
Northwest Coast: the impact of European contacts; and the subsequen problems of forced assimilation. Offered alternate years.
ANT 4450 UNDERSTANDING CULTURAL CHANGE ANT 4450 UNDERSTANDING CULTURAL CHANGE (5) change including: innovations, environment, technology, diffusion, modernization and urbanization. Examines the social, psychological and cultural factors inherent in historical and contemporary change Offered alternate years.
ANT 4855 SOLVING HUMAN PROBLEMS: APPLIED ANTHROPOLOGY (3) Studies the cultural problems of relocation, adjustment, urbanization, modernization and industrialization. Teaches skills and insights which assist in directing and lessenin
these problems. Considers the role of the agent of change, the environment of change and the target group in development projects ANT 4877 URBAN ANTHROPOLOGY: CULTURAL PLURALISM (3) Surveys diverse cultural strategies for ethnic survival competition for scarce resources during the process of urban
migration. It analyzes the dynamics of ethnicity in maintainin migration. II analyzes the dynamics of ethnicity in maintaining
ethnic identity and boundaries through the manipulation of cultural symbols and political action. Approval: Independent Study Agreement. Prerequisites: 15 upperApprova: cindependent study Agreement. Prerequisites.
division credits of " B g grade work-
in the discipline. May be repeated or credit up to 15 credits.
NTT 4940 INTERNSHIP IN ANTHROPOLOGY (3-15) Registration Approval: Faculty Sponsor. Prerequisite: Provides field
experience opportunities for students to relate anthropology to an applied setting and to expand their learning through an experiential pproach. A learning contract describing learning objectives must developed by the student and approved by the faculty sponso.
dditional information may be obtained from the Internship Coordinator for the Sociology and Anthropoology Department. May be repated for credit up to 30 credits.
NTT 4970 INDEPENDENT RESEARCH (2-5) Registration Approval: Instructor. Prerequisite: " B " grade work in the discipline. lay be repeated for credit up to 30 credits.
cience (5) or
MTT 1360 Introduction to Statistics (5) 5
elect one of the following:
ANT 3310 North American Indian Cultures (3)
ANT 3360 Indian Cultures of the Pacific NW (3) .......... 3
select one of the following.
ANT 3877 Peoples and Cultures of the Pacific Is. (3)
ANT 4877 Urban Anthro Cultural Pluralism (3) ...........
Total....
Requirements for the Minor
(minimum of 30 credits) sect one collo forlowing five areas General survey

ANT 1110 General Anthropology (5)
ANT 2250 Cultural Anthropology (5)
General ethnology
ANT 3310 North American Indian Cultures (3)
ANT 3360 Indian Cul Cultures of the Pacific Island (3)
ANT 3360 Indian Cultures of the
Urban society
ANT 4877 Urban Anthropology: Cultural Pluralism (3)
SOC
3367 -5

Cbair;

## Michael Caldwell, Chair; <br> mothy Malm, Larry Metcalf

The purpose of the art program is fourfold: (1) to acquaint the student with the fundamental elements and principles of visual art, (2) to explore the techniques of various art media, (3) to create an awareness of the value of art by presenting the proper nterrelationship between the visual arts and the other creative rts. The curriculum provides foundational training that repares students to pursue advanced study, begin work
rrofessionally or enter the field of art education. The
epartment reserves the right to retain student work submitted

## Requirements for the Major

The minimum requirement for a visual arts major is 67 credit in the discipline, including 34 upper-division credits. The student must complete 27 foundational credits and 40 studio mphasis credits. The foundational sequence is as follows
RT 1102, 1103, 1104 Drawing.
ART 2302 Painting
RT 2702 Sculpture
RT 2411 Printmaking
In addition to the foundational requirements the student will
complete:
Ceramics.......
Metals or Weaving
Art History ....
Senior Project
art Elective

ART 1180 may not be included in this total. Information oncerning concentrations for teacher preparation is available rom the School of Education
Formal admission to a major in art should be completed by he end of the first quarter of the sophomore year, or in the cas second quarter of residence. To qualify for admission as a
major, the student must complete 12 credits of work in art with
minimum 2.5 GPA and submit an application for admission. Prior to graduation, seniors are required to present a
comprehensive photographic portfolio of work completed comprehensive photographic porttolio of work completed
during their studies and submit samples of their work for inclusion in the senior exhibition.

## Requirements for the Minor

sudents minoring in art must earn a minimum of 37 credits in he discipline, including 15 upper-division credits. The mino undational requirement is
RRT 11202, 1203 Drawing.............................................. 6
In addition to the foundational requirement, the student must complete:
Ceramics...
Printmaking
Art History....
Art Electives
otal ..... the end of the first quarter of the sophomore year, or in the cas of transferring students beyond the sophomore level, in the second quarter of residence. To qualify for admission as a minor, the student must complete 9 credits of work in art with a Prior to graduation seniors must submit samples of their work for inclusion in the senior exhibition.

## ART Courses

## ART 1102 DRAWING STUDIO (3) Studies line, perspective,

 value and composition in various media: pencil, charcoal, ink, pasteland watercolor through proiects from still-life and landscape. Att 110 and watercolor th
emphasizes line
emphasizes line.
ART 103 DRAWING STUDIO (3) Studies line, perspective ART 1103 DRAWIING STUDIO (3) Studies line, perspective,
value and composition in various media: pencil, charcoal, ink, pastel and watac comporstiton in various media: pencili, charcoal, ink, pastel
and
1103 emphasizes value procects from still-life and landscape. ART 1103 emphasizes value.
ART 1104 DRAWING STUDIO (3) Studies line, perspective,
value and composition in various media pencil value and composition in various media: pencill, charcoal, ink,
and watertel
wateolor through projects from still-life and landscape. ART 1104 emphasizes composition.
ART' 1180 THE VISUAL ARTS (3) Introduces visual forms through lecture and studio work. Lectures provide an examination of
the nature of the visual arts from the viewpoint of the artist and the viewer/critic. Corequisite: ART 1181
ART 1181 THE VISUAL ARTS LAB (2) Studio work consists of a series of basic exercises using the visual elements and principles
organization to create a work of art. Corequisite: ART 1180 organization to create a work of art. Corequisite: ART I180.
ART 1202 DESIGN STUDIO (3) Applies the elements an principles of the visual arts to projects in a variety of media emphasizing practical problems. Emphasizes two-dimensional desig.
ART 1203 DESIGN STUDIO (3) Apples the elements and principles of the visual arts to projects in a variety of media emphasizing practical design problems. Emphasizes threedimensional design.
ART 1204 DESIG
ART 104 DESIGN STUDIO (3) Applies the elements and
peminciphes of the visual arts to proiects in a variety of media
Equivalent: HES 1204 -
ART 2206 GRAPHIC DESIGN (3) Prerequisites: ART 1202, 1203, and 1204 . Exploration of creative ideas and resources related to graphic design including use of tools, media, terminnology and
development f flavout skills May be repeated for credit time development of layout skills. May be repeated for credit 1 time.
ART 2302 PAINTING STUDIO - OIL OR ACRYIC (3) ART 2302 PAINTING STUDIO - OIL OR ACRYLLC ( 3 (
Analyzes problems in two-dimensional composition and the expression of volume on the two-dimensional plane emphasizing materials and techniques of acrylic and oil painting.
ART 2421 PRINTMAKING STUDIO (3) Studies ART 2421 PRINTMAKING STUDIO (3) Studies graphic art with projects in several printing media including relief and intagio prosse of woodcut, linocut, drypoint and etching, and collagraph. Class not open to: Freshmen.
ART 2422 METALS STUDIO (3) Teaches the raising, soldering jewelry. Emphasizes fabrication. Class not open to: Freshmen ART 2425 WLAVING STUDIO (3) Teaches the use of variou types of looms from the hand loom and its application to weaving
with reed and other fiber to table and floo looms and the complexities of tapestry or fabric. Emphasizes hand looms. ART 24228 CERAMICS STUDIO (3) Explores she design and
construction of pottery. Proiects include several hand building processes of construction, glazing and loading and firing the kiln. Emphasizes handbuilding. Class not open to: Freshmen. ART 2502 ILLUSTRATTIION (3) Preerequisites: ART 1102,1103 , techniques of commercial illustration.
ART 2722 SCULPTURE STUDIO (3) Prerequisite: ART 1203 Studies of three-dimensional form and composition with the several mecia of scuppure. Emphasizs Class not oped to Fresthmen
techniques (clay plaster stone) Clater ART 3112 DRAWING STUDIO - FIGURE (3) Registration Approval: Instructor. Prerequisites: ART 1102, 1103, and 1104. Studies the problems of anatomica structure with sketching and drawing

"To create as a visual artist is to strive to fulfill the responsibility of our creation: to seek after our Creator's perfect beauty and to catch bints of ourselves in that mystery."

Michael Caldwell College of Arts
and Sciences

ART

ART 3114 ILLUSTRATION (5) Presents several illustration researching, organizizing and designing an illustration. Examines the seps in the development of a graphic arts program.
IRT 3206 GRAPHIC DLSIGN - ADVANCED I (3) Prerequisite graphic design. Examinines and implements design concepps, element nd criteria through several destig problems. RT 3217 ADVANCED DESIGN - INTERIORS (3) Prerequisite RTT 1204 or permission of instructor. Applies design principiles to Class not open to: Freshmen and Sophomores.
RT 3302 PAINTING STUDIO ADVANCED I - OLL OR ACRYLC (3) Prerequisite: ART 2302 or permission of instructor.
Emphasizze individual expression and the study of style in various subject matter. Class not open to: Freshmen. ART 3315 PAINTING STUDIO - WATERCOLOR (3) matestigates a a range of technical skills in the use of traditional
RT 3414 MEDIA STUDIO - PAPER (3) Studies the application seerale elements of art o the paper nedurum by creating two and eshmen and Sophomores. ART 3416 PABRICC STUD
decorative fabrics through a variety of methods of surface embellish ments, including batike, printing, and stitching. Offered alternate years. ART 3421 PRINTMAKING STUDIO - ADVANCED I (3) Prerequisite: ART 2421 or permission of instructor. Studies graphic art
with proiects in several of the printing media including serivaph lass proetcts in severara of he printing media including serigraph class not open to: Freshmen and Sophomores.
RTT 3422 METALS STUDIO - ADVANCED RT 2422 or permission of instructor. Teaches the raising, soldering and forging of metals into utensils and decorative forms such as phomores.
RT 3425 WEAVING STUDIO - ADvanced I (3) Prerequisite RT 2425 or permission of instructor.' Teaches the use of various types
 apestry or fabric. Emphasizes four-harness loom. Class not open to freshmen and Sophomores.
RT 3428 CERAMICS STUDIO - WHEEL I (3) Explores the lesign and construction of pottery. Proiects include wheel process eginning wheel. Class not open to: Freshmen and Sophomores 2502 Further work in illustration as a form of graphic communica 2502. Further work in illustration as a form of graphic communica-
lion with emphasis on advanced media techniques and concents. Ma ton weptheated for creditit t tine. Class not open to: rreshmen and Sophomores.
rinciples and elements of art as related to a variety of media with principles and elements of art as related toa variety of media wi inphasisis on the orle of art in the curriculy cassinoond. special understanding the ugumented Wisth lectures and discussion. Class not open to: reshmen and Sophomores.
IrTh 3547 ART EDUCATION - SECONDARY (3) Sudies the eaching of art in the secondary school with investigation of se
appropriate media and emphasizing development of an art appropratae media and emphasizing development of an art
curriculum. Studio periods will be combined with lectures and iscussions. Offered allernate years. Course Equivalent: EDU 3358 Class not open to: Freshmen and Sophomores.
pictorial and plastic expression of the ancient Mediterranean cult pictoria and of plastic expresesion of the ancienent teediterraneana cultur pent to: Freshmen and Sophomores ART 3603 HISTORY OF CHRISTLAN ART (5) Explores the
symbolic, pictorial and plastic expressions of the Christian faith particulariy emphasizing origin of forms and their developmen hirough the Renaissance. Consididers contemporary examples of
ecclesiastical art and architecture. Offered daternate years. Class not pen to: Freshmen and Sophomores.

ART 3604 HISTORY OF RENAISSANCR ART (5) Explores the pictorial and plastic expression of the Renaissance includingt the
Mannerist and Post-Renaissance development. Offered alternate years. Class not open to: Freshmen and Sophomores. And pictorial expression of Eurone and America from the 18th pentury and pictoria expression of Europe and America from the 18th century to the present Particularly emphasizing 20th century development. ART 3606 HISTORY OF ASIAN ART (5) Examines the art form of JJapan, Korea, China, India and Indian Asia. Offered alternate years
Class not open to: rreshmen and Sophomores Class not open to: Preshmen and Sophomores.
ART 3607 HISTORY OF AMERICAN ART (5) Provides survey of American art from Colonial times to the present, covering archite-
ture, painting, and sculpure, offered alternate years Attribute: Writing Course. Class not open to: Freshmen and Sophomores. 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. May be repeated for credit 1
time. Attribute: Writing Cousse. Class not open to. Freshmen and Sophomores.
SAPhomores. 3 PHOTOGRAPHY: HISTORY AND CRITICISM (3)
Cours traces the hit Course traces the history and distinctive properties of photography an art form. May be repeated for credit 1 time
ART 3722 SCULPTURE STUDIO - ADVANCED I (3)
(3) Prerequisiti: AR'T 27222 or permission of instructor. Studies of three
dimensional form and composition with the several media of sculpture. Emphasizes carving techniques in stone. Class not open to: Freshmen and Sophomores. ART 41112 D DAAWING SSUDIO - ADVANCED (3) Registration
Approval: Instructor Prerequisites: ART $1102,1103,1104$ Advanced Aproblems in drawing with emphasis on experimentation and the development of a personal style. Offered alternate years. Cliss open to
Schoo of College of Arts and Sciences majors. Class open to. Juniors
and Seniors. and Seniors. Ad 214 ADVANCED design il - RESIDENTIAL INTERIORS (3) Registration Approval: Instructor. Prerequisite; ART 3217. Studies in the application of design principles to projects in residentia design. May be repeated for credit 1 time. Course Equivalent: HES 4960. Class open to: Juniors and Seniors.
ART 4215 ADVNCED DESIGN II -

GN II - COMMERCIAL
of design principipes to projects in commercial design. May be reaneate for credit 1 time. Class not open to: Freshmen and Sophomores. ART 4236 PORTFOLIO (1) Instruction in the development of a professional portfolio including resume and cover eetter Writing and
presentation of samples of creative work. Class open to. Visual Arts majors. ART 4302 Painting studio - advanced il (3) Registration Approval: Instructor. Prerequisites: ART 2302, 3302, May be repeated for credit 2 times. Class open to: Visual Arts majors. Class open to: Juniors and Seniors. Prerequisites: ART 2421,3421 or permission of instructor. Studies graphic art with projects in several of the printing media including
woodcut serigraph and collagranh May perepated for credit 1 tin Class not open to: Freshmen and Sophomores ART 4422 METALS STUDIO - ADVANCED II (3) Prerequisite: ART 2422,3422 or permission of instructor. Teaches the raising, soldering and forging of metals into utensils and decorative forms times. Class not open to: Freshmen and Sophomores. ART 4425 WEAIING STUDIO - ADVANCED II (3) Prerequi-
sites: ART 2425,3425 or permision of instructor Teaches the use of sites: ART 2425,3425 or permission of instructor. Teaches the use of
various tryes of looms from the hand loom and its aplication to various types of looms from the fiend toble and its applcation to
weaving with reed and other fiber to table complexities of tapestry or fabric. Emphasizes yardage or tapestry double weave. May be repeated for credit 2 times, class not open to Frestmen and Sophomores
ART 4428 CERAMICS STUDIO - WHEEL II (3) Prereguisite ART 3428 or permission of instructor. Explores the design and
construction of pottery Proiect inclute wheal heceses construction of pottery. Projects include wheel processes of construction, glazing and loading and firing the kiln. Emphasizes
advanced wheel. May be repeated for credit 2 times. Class not open to: advanced wheel. May be repeated for credit 2 times. Class not open to
Freshmen.

ART 4722 SCULPTURE STUDIO - ADVANCED II (3) dimensional form and composition with the several media of culpture. Emphasizes site speciifis scuipture and art in the public en to: Freshme aRT 4848 WORKSHOP IN ELEMENTARY ART (2) Provides appication of the visual arts to the elementary school child. A bundation for an art program, including motivation of the child and eshmen and Sophomores. ART 4849 WORKSHOP IN ELEMENTARY ART' - DRAWING AND PAINTING (2) Provides experimentation and practice with payyon, penci, and charcoal, tempera and watercolor, ink wit elementary child. May be repeated for credit tup to 8 credits. Class not open to: Freshmen and Sophomores.
Atanding with a majerminar in art (1) Prerequisite: Senior standing with a major in art or permission of instructor. Teaches the
preparation senior exhibition and explores the problems of setting up a studio and working professinanaly. Colass the probtoms iom of setting $\&$ Applied $A$ Ars Sophomeres and Sophomores and Juniors.
ART 4920 READINGS IN ART (1-5) Registration Approval: Independent Study Agreement. May be repeated for credit up to 15
credits. Atribute: Writing Course. Class open to: Yisual Arts majors. Class pot open to Areshmen Sophomores and Jusial Arts majo Class not open to: Freshmen, Sophomores and Juniors.
ART 4943 ART INTERNSHIP $(3-5)$ Registration Instructor. Prerequisite: An oppootunity for art students to giain additional proficiency and experience in an approved project of the stadent 4950 SPECILL TOPICS IN ART ( $3-5$ ) Registration Approval: Instructor. May be repeated for credititup to 15 creditsts. Class open to: Visual Arts majors. Class not open to: Freshmen, Sophomore and Juniors.
credit 2 times Class STUDIO PROJECT (3) May be repeated for Arts majors. Class not open to: Freshmen, Sophomores and

## BIOLOGY

Bruce Congdon, Cbair; Cynthia Fitch, A. Kenneth Moore, Richard Ridgway Ross Shaw
Biology offers curricula leading to the Bachelor of Arts and bachelor of Science degrees. The B.A. degree programs are
designed for students interested in biology as a liberal arts maior and for those desiring pre-professional training in medicine, dentistry, veteriningry science, optometry or allied health sciences. The B.S. programs are designed for students as preparation for work or professional careens erapy Students who major in biology are expected to master a core of material in the biological sciences and to gain further
expertise which will fit heir expertise which will fit their own personalized program. Experiences are designed to aid students in gaining proficiency
in the biological sciences by the use of literature laboratory and field methods. Students are expected to become acquainte with the process of inductive reasoning and communication. within the discipline

## Requirements for the Major

 B.S. IN BIOLOGYOPTION I. This major provides preparation for gracuate required in the thesional careers in biology. A total of 60 credits is numbered $3000-4999$. General Physics is strongly recom mended for students preparing for graduate of professional
school. In addition to the requirements indicated below, students select courses from departmental offerings to fulfill
degree requirements. Depending upon interests and professional goals, the elective coursework may be chosen to emphasize botany, cellular biology, ecology, marine biology, or zoology. Students may also choose to take elective coursework at Sheldon Jackson Coilege in Sitka, Alaska for an emphasis in Fisheries or at Washington State University for an emphasis in Forestry. Elective courses should be discussed with biolog OPTION IL
OPTION IU. This program is designed primarily for those Physical Therapy. This highly interdisciep program in satisfy the basic requirements for entry into physcical theraw will outlined by the American Association of Physical Therapists. In addition to the requirements listed below, 10 elective creditis. Ine required from the following: BIO $3325,3434,4256,4413$, and HSC 3395, MAT 1112/1114 or 1221, PE 3590 and 3595 , SOC 1110.

## B.A. IN BIOLOGY

OPTION 1. The major provides an sound foundation for preprofessional training for medicine, dentistry, optometry,
veterinary sciences, as well as certain other health related and pplied biologically related fields. A total of 50 credits is equired in the discipline, 25 of which must be in courses numbered 3000-4999. Other courses in chemistry, physics, and

No more than 6 credits of BIO 4950 or 5 credits in BIO 4900 ,
4930,4940 , or 4979 may be applied to a B.S. degree in Biology , 419 may be applied to a B.S. degree in Biology

| Reguired Courses | BS I | BS II |
| :---: | :---: | :---: |
| BI0 1111 General Biology (5) | X | X |
| B10 1112 General Biology (5) | X | X |
| B10 1113 General Biology (5) | X | X |
| B10 2129 Anatomy and Physiology (5) |  | X |
| B10 2130 Anatomy and Physiology (5) |  | X |
| BI0 3310 Ecology (5) | X |  |
| BI0 3320 Development (5) | X |  |
| BI0 3325 Genetics (5) | X |  |
| B10 4330 Evolutionary Mechanisms (3) | X |  |
| Bi0 4352 Cell Biology (5) | X |  |
| BIO 4413 Animal Physiology (5) or BI0 4415 Plant Physiology (5) | X |  |
| BIO 3351 Microbiology (5) |  | X |
| CHM 1211 General Chemistry (5) | X | X |
| CHM 1212 General Chemistry (5) | X | X |
| CHM 1213 General Chemistry (5) | X | X |
| CHM 3371 Organic Chemistry (5) | X | X |
| CHM 3372 Organic Chemistry (5) | X | X |
| MA' 1221 Survey of Calculus or | X |  |
| MAT 1225 and 1226 Calculus |  |  |
| MAT 1360 Statistics or |  |  |
| HSC 4044 Biomed Tests, |  |  |
| Measurements and Stats (5) | X | X |
| CSC 1115 Intro. to DOS Applications (3) |  | X |
| PE 3570 Biomechanics (5) |  | X |
| PE 3580 Exercise Physiology (5) |  | X |
| PHY 1101, 1102 and 1103 General Physics (15) or PHY 1121, 1122, and 1123 Physics for Sci. and Eng. |  | X |
| PSY 1180 General Psychology (5) |  | X |
| PSY 2470 Life Span Developmental Psych. (5) or |  |  |
| PSY 4420 Adolescent Developmental |  |  |
| Psych. (5) |  | X |
| PSY 4460 Abnormal Behavior (5) |  |  |

mathematics should be taken to meet the demand of the tudent's individual plans or career goals.
Opundur. This program is designed to provide a broad preparin fin biology or liberal arts students and those or secondary level. A total of 50 credits is required in the discipline, 30 of which must be in courses numbered 3000 4999 .


No more than 6 credits of BIO 4950 or 5 credits in BIO 4900 , 330,4940 , or 4979 may be applied to a B.A. degree in Biology.

## Requirements for the Mino

BIO 1111, 1112, 1113 General Biology
take 2 of the 3
BIO 2129, 2130 Human Anatomy and Physiology ..........
Take at least one course from each of the following categories nimal Biology
BIO 3430 Invertebrate Biology (5)
BIO 3432 Vertebrate Biology (5)
BIO 4740 Marine Invertebrate Zoology - offered
at Blakely Island in summer (5)
BI0 4742 Insect Biology (5)

## Plant Biology

BIO 3453 Taxonomy of Vascular Plants (5)
BII 3456 Biology of Non-Vascular Plants (5)
Hereditary Biology
BIO 3320 Principles of Development (5)
nvironmental Biology
BIO 3310 Ecology (5)
BIO 3434 Animal Behavio
IO 4811 Marine Fcology - 5) in summer (5)
BIO 4820 Ecomorphology (5)
BIO 4950 Special Studies in Biology (usually offered as 3 credit courses for interterm or summer quarter; if this option is chosen, then two of these courses must be taken) .......... 5

## hysiology

BIO 4256 Environmental Physiology (5)
BIO 4413 Animal Physiology (5)
BIO 4415 Plant Physiology (
BIO 4418 Neurohiology (5)
lectives
BIO 3351 General Microbiology (5)
BIO 4330 Evolutionary Tlories (3)
BIO 4352 Cell Biology (5) .
Total ...........................

## BIOLOGY Courses

BIO 1100 BIOLOGICAL SCIENCE (5) Intended for non-biolog majors seeking a broad understanding of biology. Basic concepts
include the chemistry of living things, their structure and function, heir interactions with their environment, and their diversity. pplications to current issues are considered from a Christian perspective. The emphasis varies quarterly: Humans, plants, and//or
animals may be considered in some detail. No laboratory. No credit for students who have taken BIO 11111,1112, , 1113, 21292,2130 or have Advanced Placement Biology credit. May be offered via media.
BIO 1102 INDIVIDUAL AND THE ENVIRONMENT (5) the scientific approach, explores the structure and function of the tiosphere, , the life-support system of our planet. Seeks a sound understanding of human effects and dependence on the environment. cludes a biblical perspective on environmental ethic
BIO 1111 GENERAL BIOLOGY (5) Prerequisite: One year of
high school chemistry, CHM 1100, or equivalent. Surveys scientific meethod, chemistry of living organisms, organization and structure of
cells
cells and genetics. Includes aboratory. Prerequisite: BIO 1111 or permission of instructor. Surveys plant structure and functio
evolutionary theories and ecology. Includes laboratory. evolutionary theories and ecology. Includes laboratory.
BIO 1113 GENERAL BIOLOGY (5) Prerequisite: BIO 1111 or permission of instructor. Surveys animal structur
development and behavior. Includes laboratory.

102129 human anatomy and physiology (5) Studies he structure and function of the human organism. Includes ces
abboratory.
102130 human avatomy and Physiology (5) Stud
he structure and function of the human organism. Emphasizes the circulatory, immune, respiratory, digestive, endocrine, renal and
reproductive systems. Includes laboratory. Producl
1360 or HSC 4044. Explores interrelationshiphs of animals and plant and environmental factores influeriencitionsthips of animalas and plants aboratory A Atribute: Writing Course.
BIO 3320 PRINCIPLES OF DEVELOPMENT (5) Prerequisite BIO 1113 or equivalent and MAT 1360 or HSC 4044 . Surveys principles of developmental biology in vertebrates and representative invertebrate nodels. Required laboratory is devoted to experimental and
 HSC 4044. Introduces inheritance of specific traits through the study of transmission genetics. Focuses on the biology of chromosomes,
including DNA replication transcription and translation. Aspects of uuantitative biology including population genetics and biological statisitics quantitaive biologyy incuading popuataion geneeicics and biologicia
will be presented. Includes laboratory. Atribute: Writing Couse.
 Surveys specific and non-specific immune responses, the body's
response to infection by viruses, bacteria and other foreign materia, responset oinfection by viruses, bacteria and other foreign material,
and current topics in immunological research. No laboratory. offered alternate years.
3103351 GENERAL MICROBIOLOGY (5) Prerequisite: BIO 111 or 2130 . Explores the nature of microorganisms and their
cctivities, the relationship of microbes to accivities, the relationship of microbes to other living organisms, the eeuuired laboratorov focususes and topics in microbiological research. BIO 3432 BIODIVERSITY: VERTEBRATE BIOLOGY (5) Prerequisite: BIO 1112, 11133: Examines vertebrate life in an
342 evolutionary context through the study of adaptations, compparative anatomy p paleontology and natural history. Includes laboratory,
Offered alternate years.
BIO 3434 ANIMAL BEHAVIOR (5) Prerequisite: BIO 1112,1113 Examines the mechanisms and evolution of behavior in the major animal groups, exploring the application of scientific thinking and
nethodology, to the study of animal behavior. Includes aboratory/ nethodology to the study of animal behavior. Includes laboratoryy BIO 3453 BIODIVERSITY: PLANT IDENTIFICATION AND TAXONOMY (5) Prerequisite: BIO 1112. Explores collection, dentification and taxonomy of the major plant families with special field studies. offered alternate years
BIO 3456 BIODIVERSITY: PROTISTANS (5) Prerequisite: BIO 1112. Examines the so-called Protoctista, specifically considering
algae and fungus-like organisms. Their economic and ecological mportance will be evaluated. Their relationship to each other and plants, animals and true fungi will be considered by examinining their ulltrastucture, physiology and
studies offered alternaty years
BIO 4256 ENVIRONMENTAL PHYSIOLOGY (5) Recommended prerequisites: BIO 1113 and CHM 1212 . Studies organisms in relation to the physical factors of the environment. Examines haboratory. Offered alternate years. Attribute: Writing Includes BIO 4325 MOLECULAR BIOLOGY (5) Prerequisites: BIO 1111 and 3325. Explores gene regulation and expression, in several rganisms including bacteria, viruses, yeast, plants and animals.
Principles of molecular genetics and genetic engineering includin Principles of molecular genetics and genetic engineering including
gene mapping, DNA and RNA isloation, gene cloning, gel electrophoresis and sequencing. Advanced topics in moleccular biological BIO 4330 EVOLUTIONARY MECHANISMS (3) Prerequisites: Bio 3310,3325 . Explores evolutionary change as a mechanism of population genetics including mutation, recombination and selection. Considers the effects of the genetic system, isolating mechanisms, micorevolotionary and macroevolutionary changes. Class not open to Non-Matriculated Students.
BIO 4352 CELL BIOLOGY (5) Prerequisites: BIO 3325 and CHM 371 , (CHM 2330 may replace CHM 3771 with permission of plants and animals emphasizing cellular specialization, organelle
models and chemical dynamics. Includes laboratory. Attribute Writing Course.
BIO 4361 BIOCHEMISTRY (5) Prerequisite: CHM 3372. (CHM 3226 and CHM 3403 are recommended.) 1 inds amino acids and proteins and nucleic acids. Metabolism: biochemical energetics, enzymes, electron transport and oxidative phosphorylation. reegulation. Includes laboratory. Course Equivalent: CHM 4336 BIO 4362 BIOCHEMISTRY (5) Prerequisite: BIO 4361. Continuation of B10 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. Integration of metabolism: biochemical genetics, metabolic regulation. Includes laboratory. Course Equivalent: CHM 4362.
xplores selected topics includin (3) Prerequisite: BIO 4362 or 4352 mune system; bacterial cell wails. immunoglobulins and the tion; genetic code- muscle contlict membrane transport; hormone nd detoxification. No laboratory. Course Equivalent: CHM 4333 . IO 4413 ANIMAL PHYSIOLOGY (5) Prerequisite: BIO 1 and CHM 1212 . Investigates physiology of higher animals, emphasiz ing endocrine and neuro-coordinating systems, cardiovascular, rganisms. Includes laboratory. Offered alternate years. BIO 4415 PLANT PHYSIOLOGY (5) Prerequisite: BIO 1112 Considers photosynthesis, material transport, seed germination, lowth an elant, ilowering and fuiting, and hormones of Includes Saboratory.
BIO 4418 NEUROBIOLOGY (5) Prerequisites: BIO 1113 or 212 BIO 4418 NEUROBIOLOGY (5) Prerequisites: BIO 1113 or 212
 structure and function. Laboratory makes extensive use of invertebrate models to examine the cellular basis of behavior, including neurona morphology, electrophysiolog aboratory. Offered alternate years.
BIO 4420 HISTOLOGY AND MICROSCOPIC TECHNOLOGY (5) Prerequisite: BIO 1113. Examines microscopic anatomy of cells, issues and organ//systems, examining their structure and the bistology Includes laboratory. Offered alternate vears BIO 4435 BIODIVERSITY: PARASITES AND PESTS (5) Prerequisiste: BIO 1113. Explores the biology and classification of protozoa, parasitic worms, insects and mites. Provides a survey of protozoo, parasitic worms, niseets and mites. Fros of
parasitic disease, vector biology and animal pestaf
crops. Includes laboratory. Offered alternate years. crops. Includes laboratory. Offered alternate years. Unior or Senior standing Examines biological thought especially unior or Senior standing. Examines biological thought, especially
hose historical, philosophical and ethical aspects bearing on curnent isues in biology which hep phspepea Chisisian world view wand values ssstem. Atribubue: riting Course Class not ppen to: Freshmen and Sophomores. Registration Approval: Independent Study Agreement. Directe readings and/or investigation on special topics. May be repeated for
credit upt to 3 credits credit tup to 3 credits.
BIO 4930 BIOLOG
nstructor. Provides opp PRACTICUM (1-3) Registration Approval are assigned teaching, grading, lab prepparation and or tutoring responsibilitites. May be repeated for credit up to 6 credits. 104940 INTERNSHIP IN BIOLOGY ( $1-5$ ) Registration Approval: Instructor. Prerequusite: Provides a significant learning environment. May be repeated for credit up to 10 credits. 104950 SPECLAL Sp Ppproval: Trave Studies Form. Provides selected field stuyy topics
offered at discipiline's siscretion: Sonoran Desert Biology; , lpine Flor otered at discipline's discretion: Sonoran Desert Biology; Alpine Flor
Hawaiian Marine Biology; Carribean Marine Biology. May be repeate r credit 1 t time pproval: Instructor. Prerequisites: 15 upper-division
iology. May be repeated for credit up to 12 credits.

Our students discover the intricate details noolved in the processes life while pursuing the sudy of biology. The influence of SPU' trong Cbristian nvironment become solid foundation for bese scientists as the srive to learn and understand the mechanisms of life that God has set in motion,

Cynthia L. Fitch College of Arts
and Sciences

## BLAKELY ISLAND

Bruce Congdon, Director of Blakely Programs Ross Shaw, Director of Blakely Campus Seattle Paxific Univerity's Field station is located on Blakely Island, in northern Puget Sound, Washington. In 1977, the Univerity was given 900 acres of land and granted an open space conservation easement on an addititonal 3000 acress of private boat or commuter airservice foom Anacoortes, Wassing ton.
EACiuties: The Blakely campus physical plant, completed in 1984, consists of three buildings: a dormitory residence is deseigned to houss 20 stucuents and has two apartments for the residen-tiriector and teaching staff; a dining
 stucents and stafif and a dive-shop building
RESEARCH: Research conductect $h$ Unive students incluces baseline surress of major habititais on the Island, limnological studies of the lakes, ecology of marine bays and harbors on the Itland, ecology of eelgrass beds occurring in Armitage Bay, and the investigation of marine organisms.
EDUICATION: The Elakely Island Nature Reserve seves a teaching site for University classes in natural history, marine biology, freshwater biology, plant and animal taxonomy and behavior, and marine and teresestrial ecology. The program at Growley Laboratary is desigigect for uncergraatuate majors in biology and environmental sciences and beginning graduate .students and public school teachers desiring opportunity to
study a t the fied station with a divesitity of marine, fresh water, and terestrial habitatats, Indiviviuals interesteded in proorams at the laboratory should write to: Bruce Congdon, Director of Blakely Programs, Seattle Pacific Univesity, 3307 3rd Ave. W., Seatte, WA 98119 .

## BLAKELY ISLAND Courses

Bio 4117 birds of the pacief northvest (3)
 lecturse, ibbrary research and laboratory sudud, offereed dleernate years at the Blakel. campus.
BIO 4735 Mxra fee.


 Prerequisite: Bio 1113 P. Provides fifild and al atoration couss ships of maxine inverteteratese from Pugatit Sound. Incluctes lablorataryy. Offered ins summer at Blakely ysland. Extra fee.
 halitats and interealdioioshisins of marine lants with ent


BIO 4815 A AUATIT ECOLOCY (5) Preequysite: BIO 1113
Introdices stucentsis tone bioliogy of freshwater organisms. The

 Students
Bio 4820 кcomorphoiogy (5) Prevequisite: Bio 1113 . A fie course providing an introduction to the study fo ecologicial
morphology. Relationships between the environnment and the




104825 FOREST ECOLOGY (5) Prerequisite: BIO 1112. Examines the organisms that onprpise the forest easysyter and their
nieraction with the physical enviromment Emphhasis will be pe paced on eid stady y f population dyyamicis, composition and function of the
 earning experiene vevith student focusing on a single tepicic orspect of the Biakely envirimnentent (geology, animals, plants and aquatic, lerextial anc marne

 nimals within their enviromment. Liaboratory and feeld work will
 In summer a talakely Iliand Extrafee Class opent to: Undergraduat左

## BUSINESS AND ECONOMICS, SCHOOL OF

The mission of the School of Business and Economics is to oster the development of students who will be professionaily committed to life-long learning, and informed by Christian faith and values. This mission is accomplished, within a nurturing environment, through teaching excellence, supported by scholarship and service to the community. 1. Present a uniquely value-centered curriculum that applies Christian principles to the private enterprise system as well as other economic systems;
2. Develop a wide range of student competencies including curnicalum review and a highly competent faculty wh curriculum review and aribhy conpetent faculty who experience;
3. Place a positive emphasis on management skills as a basis for all majors to help develop students into successful managers in public, private and not-for-profit 4. Serganizuations;
4. Serve business and not-for-profit organizations by
developing capable motivated graduates offering specialized consulting and research servi ofiering informing leaders in the community of scholarly
developments in the fields of business and economics.
dmission to Majors in the School of Business and Economics
Majors offered by the School of Business and Economics are business administss administration and economics. The following areas:

$$
\begin{array}{ll}
\text { - Economics } & \text { •Finance } \\
\text { - Information Systems } & \text {-Management } \\
\text {-Marketing }
\end{array}
$$

Students who are interested in a business major are ncouraged to indicate their interest upon arrival at SPU. This ndication is made with the Admissions Office. It does not commit the student to a major within the School, but assures hat an adusor from wis sol and its warious activities will be received.
For regularly matriculated students, formal declaration of
and admission to, a major is required prior to enrollment in 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 when all admission requirements ars satisfied. See the sections on individual majors for the specifi admission requirements of the major.
For students who are declared majors outside the School of who wish to take upper-division classes, permission to enroll in certain upper-division classes will require instructor permission along with evidence that course prerecuisites have peen met. To be awarded a degree from the School of Business and Economics, students must meet the major and any concentra-
tion recuirements 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, and a minimum of 90 credit hours taken outside the School of Business and Economics. Included in hese 90 credits are the following courses: BUS 1360 or BUS 2700. ECN 2101 and ECN 2102 and MAT 122

## Scholarship Program

The School of Business and Economics has, through the generous donations of corporations and individuals, several majors. All incoming students interested in the scholarship rogram should contact the Financial Aid office.

## Internships

Internships give students an opportunity to gain practical work experience and to apply their academic background in a professional business environment. An internship learning contract describing learning objectives and expected academic
outcomes must be submitted by the student and accepted by the Gculty sponsor. Students should check with tha accepted by the oordinator in the School of Business and Economics for more information. (See BUS/ECN 4940.)

## Interdisciplinary Program

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 mputer Science section

## Master of Business Administration

See the MBA Bulletin available from the School of Business and conomics which details program requirements and course

## ACCOUNTING

## Ross E. Stewart, Contact Person

Graduates with majors in accounting have careers in private ndustry, not-for-profit organizations and in public accounting he program balances sound theoretical foundations with relevant applications. This provides both the necessary current howledge for the student to launch a career, but also prepares he sudent to respond to the changing future environment and needs for accounting information.
digible to take both the Certified Pubte the program will be the Certified Management Accountant (CMA) examinations.

## equirements for the Major

dents desiring to major in accounting must follow the accounting major, the student must have attained at least sophomore standing, have completed a minimum of 15 credit in School of Business and Economics courses (ACCT, BLS,
N), and have achieved a minimum 2.70 cumulative GPA from all institutions or at least a 3.00 GPA in the most recent 1 edits at SPU
To be awarded a degree with a major in accounting, dudents must meet the major requirements in effect at the tim claration of a major was made and have a minimum of 45 edit hours in the major at SPU.

## GENERAL CORE

## ore requirements to be completed by first

 narter sophomore year:US 2700 Statistics for Ppplications in Business ............... 360 Introduction plus BUS 2701 Statistical Process $C$.
BUS 2702 Non-Parametric Statistics ECN 2102 Principles of Macroeconomic

Core requirements to be completed during the sophomore year:
ACCT 2366 Financial Accounting
ACCT 2362 Managerial Accounting ...................................... UUS 3414 Bual Environment of Business (5)

Core requirements to be completed junior senior years:
US 3250 Business Finance
USS 3514 Marketing and Society ................................. 5 BUS 3620 Management Thfory and Behavio BUS 3700 Quantitative Methods Decision Making ............ BUS 4417 Business Ethics
BUS 4615 Business Strategy and Policy (seni.................................. 5
BUS 4644 Operations Management. ........................... $\frac{5}{40}$

## Total General Core Requirements ... 75

Note: BUS 3414, Business Law, is strongly recommended for sudents who plan to take the CPA examination.

## ACCOUNTING CORE COURSE

## Required Core

ACCT 3324 Federal Inc three courses:
ACCT 3328 Auditing (5)
ACCT 2327 Costernational Advanced Accounting (5) .... 10 ACCT 3327 Cost Accounting ..
ACCT 3352 Intermediate Accounting 1
ACCT 3353 Intermediate Accounting
ACCT 4362 Accounting Theory and Pro
Total Accounting Major Requirements...
General Electives (must be outside of
TOTAL MAIOR HOURS REMS (.......................... 10

## ACCOUNTING Courses

acct 2361 financial accounting (5) Prerequisite: BUS development and communnication function that supports economic decision making, and prepares students for subsequent learning. Not recommended for first quarter reshmen.
ACCT 2362 MANAGERIAL ACCOUNTING (5) Prerequisite: ACCT 2361. Develops basic concepts and skills for preparing
accounting information for managerial decision making purposes Computer spreadsheet skill sare required.
ACCT 3324 FEDERAL INCOME TAX
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, partuership basic concepts of tax law relating to individual, corporate
and estate income taxation. Class not open to: Frestmen.
ACCT 325 FDEERAL INCOM TTX II (5) This is ACCT 332 FEDERAL INCOME TAX II (5) This is a continua tion of ACCT 3324 . Class not open to: Freshmen. Introduces basic p principles of cost accounting as applied to materials, labor and manufacturing overhead. Class not open to: Freshmen,
ACCT 3328 AUDITING (5) Prerequisite: ACCT 3352 Teaches audititing procedures for verifying the records and reports used to show auditing procecuress or veriying the records and reports sed to show. Class not open to: Freshmen and Sophomores.
ACCT 3351 INTERMEDIATE ACCOINTIV
ACCT 3351 INTERMEDIATE ACCOUNTING I (5) Prerequisite:
ACCT 2362. Studies the concepts and principles of accounting related ACCT 2362. Studies the concepts and principles of accounting rel
to recognition, valuation and clasificition of economic events. Includes issues related to the measurement of income. Class not open
to: Freshmen. to: Freshmen. ${ }^{\text {ach }} 3352$ INTERMEDIATE accounting II (5) Prerequisite: ACCT 3351. Continuation of 3351 . Class not open to: Freshmen. ACCC 3353 I ITERRMEDIATE ACCOUNTING III ( 5 )
Prerequisise: ACCT 3352 . Continuation of 3352 . Class not o Prerequisite: ACCT 3352 . Continuation of 3352. Class not open to:
Freslmen
acCT 4351 INTERNATIONAL ADVANCED ACCOUNTING (5) Prerequisite: ACCT 3353. Considers and analyzes financial accounting concepts relating to consolidated financial statements, translation of international financial reporting and accounting for special entities. Recommended for CPA examination preparation. Class not open to. Freshmen and Sophomores.
Prerequiste ACCT 3353 Critithe THEORY AND PROBLEMS (5) interest in financial accounting. Emphasizes investigating the "Why'" " behind today's generally accepted accounting principles and
exylores alternative approaches to the sudy and develiopment of explores alternative approaches to the study and develppment 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. Attribute: Writing Course. Class not open to: Freshmen and

## BUSINESS ADMINISTRATION

Dan W. Hess, Contact Person
The business administration major provides a broad-based education in the fundamental theories, principles and practice of modern business. The program develops a general management outlook toward organizations and the changing ethical behavior along with the technical expertise and leadership attributes necessary to attain entry-level positions in business.
Students

Students who major in business administration are expected to master a core of courses in business and economics as
a concentration selected from one of the following areas:

$$
\begin{array}{ll}
\text {-Economics } & \text { •Finance } \\
\text {-Ifformation Systems } & \text { •Management } \\
\text {-Marketing } &
\end{array}
$$

Students in all concentrations will take the following common core of classes described below under General Core.

## Requirements for the Major

Students desiring to major in business administration must the business administratation majior, the student must have 10 the business administration major, he student must ha antained at east sophomore standing, have completed a Curses (ACCT, BUS, ECN), and have achieved a minimum 27 cumulative GPA from all institutions or at least a 3.00 GPA in he most recent 15 credits at SPU.
To be awarded a degree with a major in business administration, students must meet the major and any concentration requirements in effect at the time declaration of a major was made and have a minimum ore than 50 percent of the total coursework required or the B.A. in Business Administration may be taken in BUS or ACCT courses above the 1000 level or ECN courses above the 2000 level.

## general core

Core requirements to be completed by first quarte sophomore year:
BUS 1700 Spreadshe
UUS 1700 Spreadsheet Applications in Business CT 1360 Initstics for Business and Economics or
plus BUS 2701 Statistical Process Control.
BUS 2702 Non-Parametric Statistics CN 2101 Principles of Microeconomics
EN 2102 Principles of Macroeconomics ......................... ${ }_{16}$
Core requirements to be completed during the ophomore year:
ACCT 2361 Financial Accounting
2362 Managerial Accounting ....

## Core requirements to be completed junior or

enior years:
BUS 3228 International Business
BUS 3250 Business Finance.....
BUS 3614 Management Theory and Behavior
BUS 3620 Management Information Systerms.
${ }^{\text {BUS }}$
3700 Quantitative Methods for Decision Making .....
BUS 4417 Business Ethics....
BUS 4615 Business Strategy and.............................. 5
BUS 4644 Operations Management ........................ 5


Total General Core Requirements ... 81-83
In addition to the general core, the following are requirements In addition to the general core,

## Management Concentration <br> BUS 3631 Entrepreneurship

BUS 3657 Human Resource Management............................................... Select one course from the following.

BUS 3545 Sales and Sales Man
BUS 3658 Labor Relations (5)
BUS 3670 Management in the Non-Profit Sector (5)
BUS 4633 Venture Management (5)..................... $\frac{.}{15}$

Marketing Concentration
BUS 3542 Marketing Research
BUS 4543 Marketing Manaio ..
Finance Concentratio
BUS 3251 Investments
BUS 4274 Problems in Corporate Finance
Economics Concentratio
ECN 3101 Intermediate Macroeconomics
ECN 3101 Intermediate Macro
 Information Systems Concentration
CSC 1230 Problem Solving and Programming BUS 4620 Computer Networks BUS 4622 Information and Database Systems

Total Concentration Requirements

## UIRED.

.......... .150

## Requirements for the Minor in Busines

 AdministrationThe School of Business and Economics offers a business minor for students who want to complement their major with general
business coursework. Requirements for a business minor are business coursework. Requirements for a business minor are
one of the following three: ECN 1100,2101 or $2102 ;$ ACCT 2361 ; two of the following three: BUS 3250,3541 , and 3614 BUS 4417; plus one 5 -credit elective chosen from either ACCT BUS or ECN Course offerings as long as prerequisites are met. Total credits for the minor are 30. 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 270 in a min of 45 quarter credits of coursework or at least a 3.00 GPA in the most recent 15 credits at SPU.

## 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, capital budgeting valuation and financial forecasting capital buggeing, valuation and financial forecasting
BUS 1360 INTRODUCTION TO STATISTICS (5) Passing score on Mathematics Competency Exam, high school algebras or MAT 1101 . Explores descriptive statistics, elementary probability,
binomial and normal distributions, sampling estimating parameters testing hypotheses, regression and correlation. Course Equivalent: MAT 1360 .
bUS 1700 SPREADSHEET APPLICATION IN BUSINESS (1) An introduction to the use of the spreadsheet in business. Using Excel,
the class will deal with general navigation, formatting, and formula building. Topics will also include a very basic introduction to charts, statistical analysis and database capabililites. This is a competency--
based class. When students demonstrate the competencies pequid based class. When studentis demonsirate the compeencies requirecd,
the course is finished and credit will be granted for the course. Class not open to: Juniors and Seniors.
BUS 2414 LEGAL ENYIRON
BUS 24414 LEGAL ENVIRONMENT OF BUSINESS (5) Studies the relationship between law and business. Incluces coverage of laws
which impact the employer-mployee relationship, product safety, which impact the emp.oyer-employee relationship, product safety, torts. Class not open to: Freshmen.
(5) Prerequisite: BUSIITCO FOR BUSINESS AND ECONOMICS (5) Prerequisite: BUS. 1700 . Explores descriptive statistics, probability
random variable distributions, estimation, hypothesis testing, regression and nonparametric statistics.

US 2701 STATISTICAL PROCESS CONTROL. (1) Prerequiite: MAT 1360. This course is intended for students who have taken an hitroductory suas en lass tha
control. 2 ROS 2702 NON-PARAMETRUC STATISTICS (1) Prerequisiste MAT 1360. This course is intended for students who have taken an trtoductory statistics class that did not include non-parametrii
US 3228 INTERNATIONAL BUSINESS (5) Covers the major Orms of international business including problems of licensing, production, marketing, inmport and export; emphasizes relationships between theory and practice regarding management, government BUS 3250 RUSINESS , and international probems. CIass not (5) Preerequisites: ACCT 2361. Sudies the principles of financial markets, internal and external surces of funds and their costst to the firm. Includes managemento orking capital, capital budgeting, val
UUS 3251 INE ESTMENTS (5) Prerequisite: BUS 3250 . Studies the basic problems and issues concerning development and imple tion of a personal investment program. Includes analysis of
investment tisks, types of investments, securites markets and porfolio nvestment tisks, types of investmentst, securities markets and portfolio Class open to School of Business \& Economics majors. Class not open ©: Freshmen
rerequisite: BUS 1360. Explores mathematical models of forecastin essential materials and datat sources, techniciques of of dats inploemeamentation, regression, , moving averages, exponnential smootating , , ese of of
subjective information, technological forecasting, advanced methods, adaptive filtering, Box-Jenkins method, input-output tables and conometric modeles. Usefulu to persons in management and planning fffered alternate years. Class not open to: Freshmen
BUS 3414 BUSINESS LAW (5) Sudies the
ode, sales, negotiable instruments, secured transactions oode, sales, negootiable instruments, secured transactions, estates an ccounting majors. Recommended for CPA examination preparation BUS 3541 MARKETING AND SOCIETY (5) Studies the principles of marketing, employs a systems approach to examine th mpact of marketing on the quality of life. Considers both macro and ibute: Writing Course. Class not duS 3542 MARKETING REsEarch (5) Prerequisites: BU 2700, 3541. Studies the marketing research process: preliminary step and research design, questionnairess secondary and primary data, sampening, processing and interpreting data, evaluation and effe Lconomics majors. Class not open to: Freshmen.
BUS 3544 ADVERTISING (5) Prerequiste:
SUS 3544 ADVERTISING (5) Prerequisite: BUS 3541 . Describes the socio-economic system. Discolsses techniques and the management of advertising and applies them to the practice of marketing. Class not open to: freshmen.
US 3544 SALLS AND Sales management (5) Prerequitits: BUS 3541, 3614. Sales planning and organization. Manaragement the sales force for productivity. Personal selling techniques. Class pent to School of Business \& Economics majars. Class not open to:
RUS 3614 MANAGEMENT THEORY AND BEHAVIOR (5) A Introduction to theory, research, and practice related to the managemenent of organizations. A contingency--based view of organizations is used to examine interdependencies between
organization envirionments, strategy, structure, process/systems, and organization envirionments, strategy, structure, process/sysytems, and rrimarily designed for juniors and seniors, Class not open to: reshmen. 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 soass. Software, hardware, networks and electronic organization's yoals. Sottware, hardware, networks and electronic ne part of the complete information system. Class not popen to: Freshmen.

BUS 3631 ENTREPRENEURSHIP (5) Prerequisite: ACCT 2361 tudies the major elements of innovation and new enterprise formation and growh. Examines in-depth through lectures, entrepreneurial personality and the nature of the entrepreneurial task. Special emphasisis is placed upon leadership, venture planning, time management and the transfer of technology from concept to commercialization. Class open to School of Business \& Economics majors. Class not open to: Frestmen. Prerequisite: BUS 3614. An introduction to the management of human resources in organizaztions. Theory, research and practice in the areas of human resources planning, iob analysis and design,
recruiting and staffing, training and development, performance appraisal, compensation, organiization development, overnment
regulation of HRM and quality of work life will be studied. Class open regulation of HRM and duality of work life will be studied. Class op
to School of Business \& Economics majors. Class not open to: to School of
BUS 3658 LABOR RELATIONS (5) Prerequisites: BUS 3614 , 3657. Studies contract negotiations and reconciliation of employment problems by both labor unions and corporate management. Class
open to School of Business \& Economics majors. Class open to: open to School of Business \& Economics majors. Class open to:
Business Administration majors, Accounting majors and Economics majors. Class not open to: Freshmen.
BUS 3670 MANAGEMENT IN
BUS 3670 MANAGEMENT IN THE NON-PROFIT SECTOR (5) Focuses on the management of not-for-profit organizations. funding requirements, coordination and direction of volunteens, legal
issues and public clations Appropitat for those interesed in the issues and public relations. Approppriate for those interested in the management of clurches, hospitals, performing groups, social service
organizations. Class open to School of Business \& Economics majors. Class not open to: Freshmen.
BUS 3700 QUANTITATIVE METHODS FOR DECIIION BUS 3700 QUANTITATIVE METHODS FOR DECIIION
MAKING (5) Prerequisite: BUS 2700. Presents quantitative methods MAKING (5) Prerequisite: BUS 2700 . Presents quantitative methods
which can be used to assist in solving management decision problems including optimization with derivatives, marginal analysis; computer solution of simultaneous equation systems; linear programming; inventory decisions and decision theory; queuing, simulation and
BUS 4273 SPECIAL TOPICS IN FINANCE (5) Prerequisites: BUS 3250 ; junior standing. Presents lectures and case studies dealing with cash flow, cash budgets, financial forecasting and establishing capital budgeting, leasing and specialized funding vehicles. Class not open to: Freshmen.
BUS 4274 PROBLEMS IN CORPORATE FINANCE (5) critical aspects of financial decision making introduced in BUS 3250 , utilizing lectures and case studies. Topics typically include mergers and acquisisions, forecasting and cash budgeting, valuation Business \& Economics maiors 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 cases studies Class situationss hrrough projects and case studies. Class open to School BUS 4417 BUSINESS ETHICS (5) Explores various ethica theories and their application to the practice of business. Gives particular emphasis to christian ethics and focuses on individual
ethical decision-making class open to School of Business \& Economics majors. Class not open to: Freshmen and Sophomores. BUS 4542 CONSUMER BEHAVIOR (5) Prerequisite: BUS S341.
Examines how consumers make choices about what, how and when Examines how consumers malechoices about what, how and whe they buy. Special emphasis will be placed on integrating cognitive,
behavioral and ethical concepts in the study of consumer behavior, and the ereationships of consumer behavior with marketing strategies Class not open to School of Business \& Economics 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. Class open to School of Business \& Economics majors
Class not Class not open to: Freshmen.

BUS 4615 BUSINESS STRATEGY AND POLICY (5) rerequisites: BUS $3250,3541,3614,4417$ (or concurrent enrolltrategy and policy formulation proceses and the Lezores the performance designed to aid organizations to achieve the purpose and jectives of both small and large business. Class open to School of usiness \& Economics majorr. Class not open to: Freshmen,
Sophomores and Juniors.
BUS 4633 VENTURE MANAGEMENT (5) Examines methods for developing a succecssful smaller company with emphasis on profii
imporement, lanning and control. Guest lecturers and the improvementst plasning and control. Guest lecturers and the
instructor diccuss techniques of dealing with customers, supplie instructor discuss techniques of dealing with customers, suppliers, extensively. Class open to school of Business \& Economics major Class not open to: Freshmen.
BUS 4644 OPERATIONS MANAGEMENT (5) Prerequisites: BUS 3614, 3700. Analyzes theory and application of the systems approach to procucction management. Provides a focus on the design and contrision of manpower, materials and maching s several production/service environments. Class open to School of Usiness \& Economics majors. Class not open to: Freshmen and Sophomores. 4645 SMALL buSINESS CONSULTING (5) Student develops a business plan and consults with a selected small business. Class not open to: Freshmen.
BUS 4900 INDEPENDENT STUDY IN BUSINESS (1-5) Registration Approval: Independent Study Agreement. May be repeated for credit up to 5 credits.
BUS 4920 READINGS IN BUSINESS ( $\mathbf{1 - 5 )}$ ) Registration pproval: Independent Study Agreement. May be repeated for credit up BUS 4931 PRACTICUM (1-5) Registration Approval: Instructor rovides an opportunity for mature students to work closely with a aculty member in course management and to gain practical
credits. ${ }_{\text {BUS }} 4932$ PRACTICUM (1-5) Registration Approval: Instructor May be repeated for credit up to 5 credits
egistration Approval: Instructor: May be repeated for credit up to 5 credits.
US 4940 INTERNSHIP (1-15) Reg.
US 4940 INTERNSIPP (1-15) Registration Approval: Faculty ponsor. Prerequisiteses Junior standing and 15 hours of grades " $B$ " 0
better in business and economic courses. Provides an opportunity for sudents to gain practical work experience and to apply their academic background in a professional business environment. A internship learning contract describing learning objectives and pecled academic outcomes must be submitted by the student and Internship Coordinator in the School of Business and Economics for nore information. May be repeated for credit up to 15 credits. Class open to: Juniors and Seniors.
BUS 4979 RESEARCH PROJECT IN BUSINESS (1-5) Registration Approval: Facully Sponsor. Prerequisites: Junior standing; 5 hours of grade " B " or better in business and economics courses. insearches a significant topic as arranged between student and

## ECONOMICS

Douglas A. Downing, Contact Person Economics is the study of the allocation of scarce resources welfare are studied in economics, 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 the social sciences. The program is structured to provide the will develop the student's economic interests. (See Business Administration section for the economics concentration in the business administration major.)

Requirements for the Major
Students desiring to major in economics must follow the application process described above. To be accepted to the
economics major, the student must have attained at leas sophomore standing, have completed a minimum of 15 credits in School of Business and Economics courses (ACCT, BUS, ECN), and have achieved a minimum 2.70 cumulative GPA credits at SPU.
To be awarded a degree with a major in economics, students must meet the major requirements in effect at the time 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.

GENERAL CORE

## Core requirements to be

quarter sophomore yea completed by fit
BUS 1700 Spreadsheet Applications in Business
BUS 2700 Statistics for Business and Economics or ............. 1 MAT 1360 Introduction to Statistics
plus BUS 2701 Statistical Process Control
BUS 2702 Non-Parametric Statistic ECN 2101 Principles of Microeconomics. ECN 2102 Principles of Macroeconomics
Select one course from the following:
GEO 1110 World Regional Geography (5)
POL 1110 Introduction to Politics (5)
SOC 1110 Introduction to Sociology (5) ................. $\quad .5$
Core requirements to be completed during the sophomore year
ACCT 2361 Financial Accounting
Core requirements to be completed iunior

## senior years

ECN 3101 Intermediate Macroeconomics
ECN 3102 Applied Economics
ECN 3321 Mphoney and Banking
ECN 4310 International Political Economics
BUS 3700 Quantitative Methods for Decision Making ........ 5
Total General Core Requirements .......... 56-58
Economics electives ( 15 credits required)
ECN 3231 Urban Land Ecconomics (5)
ECN 3316 Issues in Political Economy (5)
ECN 3318 Economics of Public Sector (5)
ECN 3635 Marxism: 20th Century Theory and Practice (3)
ECN 3640 Growth of the American System (3)
ECN 4641 History of Economic Thought (3)
Requirements for the Minor in Economics As a complement to majors such as political science or for those preparing for law school the minor in economics can be
valuable addition to your 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 4417 and either ECN 3101 or ECN 3102 , followed by 10 elective credits in
ECN or other approved coussework. 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 or at least a 3.00 GPA in the most recent
15 credits at SPU

## ECONOMICS Courses

EN 1100 FUNDAMENTALS OF ECONOMICS (5) Introduces the principles of economics for non-majors planning to take only on
course in economics. Examines demand and supply, the price system, ncome distribution, determination of national income, employment and prices, economics of environmental issues and the public sector, iternational trade, economic growth, and capitalism and socialism, foundation course for business majors. Topics include supply and demand; markets and the price system; allocation of resources,
income distribution, economic power and the pubilic sector
ECN 2102 PRINCIPLES OF MACROECONOMICS. (5) Presents
topics including elementary demand and suply determination of topics including elementary demand and supply, determination of
national income, employment and prices, money and banking systen, national income, employment and prices, money and banking system,
fiscal and monetary policy and economic welfare, economic growth and development and international finance
EN 2207 ECONOMIC GEOGRAPHY (5) Surveys the changing worla production and distribution systems, particularly principles and conditions for spatial interacion, wee specia role of cities in orderiin the world economic system and their place in dictating regional xplored. Course Equivalent: GEO 2207.
ECN 3101 INTERMEDIATE MACROECONOMICS (5) merequisites: ECN 2101, 2102. An analysis of aggregate income, contributions. Offered 1995-1996. Atrribute: Writing Course. Class no ECN to: Preshmen. 302 APPLED ECONOMICS (5) Prerequisites: ECN ECN 3102 APPLIED ECONOMICS (5) Prerequisisies: ECN 2101,
2102; BCS 1360; MAT 1221; computer familiarity Examines
microconomics at he intermediate level with particular applicatio microeconomics at the intermediate level with particular application
to operations of the firm. Emphasizes the application of theory to tual situations encountered in the management of firms and
plores the use of economic theory for projections and forecasting. Class not open to: Freshmen. 100 or 2101 . Examines economic and social factors influencing lrban growth and and use patterns, especially forces influencing the values and the housing market. Examines such factors as taxation, foning, and other land use policies as they relate to the developmen ECN 3316 Issues in Poltical economy (5) Prerequites: ECN 2101, ,2102; Junior standing Epreferreed or permission of instructor. Studies the interrelationship between popiticis and policies and reform. offered 1996-1997. Attribute: Writing Course. Class not open to: Freshmen.
ECN 3318 ECONOMICS 5 or
CN 3318 ECONOMCS OF THE PUBLIC SECTOR (5) rereequisises: LCN 1000 or 2101. Presents the rationale for naking, public expenditure analysis, taxxates, non, fiscal polkict ceasision ole of the goverrmment in economic systems. Offered 1995-1996. Clas ot open to: Freshmen.
CN 3321 MONEY A.
and 2102; ACCT 2361. Surveys monetary theory and the role of majo nancial institutions such as commercial banks, the Federal Reserve yystem, and savings institutions in the monetary system. The impaci conomic system is emphasized. Class not open to: Freshmen ECN 3635 MARXISM: 20 TH CENTURY THEORY AND RACTICE (3) Examines the development of varieties of Marxis Europy and practice in the 20th century, comppares the Soviet, hought and practice. Offered alternate years. Course Equivalents: HIS 3435 and POL 3435 . Class not open to: Freshmen.
ECN 3640 GROWTH OF THE AMERICAN ECONOMIC SYSTEM (3) Prerequisites: ECN 1100 or ECN 2101, 2102. Studies the development of the American economy, with particular attention to he rise of the modern business system and its impact on American ociety; gives corollary consideration of labor, agriculture, technolog,
and the monetary system. Offered 1995-1996. Course Equivalent: HIS 3640. Class not open to: Freshmmen.

ECN 4310 International POLITICAL bCONOMY (5) xxamines the nature and dynamics of the glohal 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 dalernate years. Course Equivalent: POL. 4310 . Class not open to: Freshmen. 4641 HISTOMY OF BCONOMIC THOUGHT I (13) ECN 4641 HISTORY OF ECONOMIC THOUGHT I (1-3) the development of economic ideas and philosophies from Moses to Mercantilism. Focus is on ethicics and economics in the biblical, classical, physiocratic and mercantilists schools of economict thought.
Offered 1996-1997. May be repeated for credit up to 3 creditss. Attribut: Writing Course. Class not open to: Freshmen.
ECN 4642 HISTORY OF ECONOMIC THOUGHT II (1-3) Registration Approval: Instructor. Prerequisites: ECN 2101, 2102 and 4641. Conthuation of ECN 4641. Class not open to: Preshmen.
ECN 4900 INDEPENDENT STUDY IN ECONOMICS (1-5) Registration Approval: Instructor. May be repeated for credit up to 5 redits. ECN 4929 READINGS IN ECONOMICS (1-5) Registration Approvali: Independents Study ygreement. May be repeated for credit up
to 15 credits. Class not open to: Freshmen. ECN 49311 PRACTICLMM (1-5) Regisitration Approval: Instructor. Provides an opportunity for advanced students to work closely with
(aculty member in course management and to gain practical aculy ymember in course management and to gain pracatical credits. 4940
ECN 4940 INTERNSHIP IN ECONOMICS (1-15) Registration Approval: Instructor. Prerequiusites. Juniors standing and 11 hourto of
grades B " or better in business and economics courses. Provides an opportunity for students to gain practical work experience and to apply their academic background in a proferssional business environment. An internship learning contract describing learting
objectives and expected academic outcomes must be submitted by the student and accepted by the faculty sponsor. Suddents should check
with the Intersship Coordinator in the school o Busies and with the Intersship Coordinator in the School of Business and Economics for more information. May be repeated for credit up to 15

## EXECUTIVE ADVISORY COUNCIL

The Executive Advisory Council has been formed for the purpose of assisting the Seattle Pacific University faculty in which provides quality education and spiritual guidance to students who are preparing for a career in business, government, and private non-profit institutions.

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| :---: |

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Bank of San Francisco ROBERT L. WILEY, Senior Consultant, Management Action Programs, Inc.
MES G. YOUNG, President and Chief Executive Officer, Seattle Steam Company

## CHEMISTRY

## Lyle B. Peter, Chair; Grayson Capp <br> Paul Lepse, Wesley Lingren

hemistry is primarily concerned with matter, energy, and their teractions. Chemists do a wide variety of things such as making new substances, designing new ways to make known compounds, isolating and determining chemical structures of aturally occurring substances, elucidating the chemical bases undergoes, selling chemicals, and applying chemical knowledge to solve 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 to make su
The curriculum is designed to serve persons desiring to ater a career in chemistry, biochemistry, or science education, well as those interested in pursuing further study in

## Requirements for the Major

HM 1211 1212,
HM 1211, 1212, 1213............................................. 15
 PHY 1101, 1102, 1103 or PHY1121,1122, 1123. $\ldots . . .15$

CHEMISTRY SEMINARS. Chemistry majors are required to tend the chemistry seminars during their junior and senior uarter to provide a forum for uaclery and visiting orm for undergraduate research student their research.

## B.S. IN CHEMISTRY

OPTION I. This course of study is recommended for a proessional degree in chemistry. It conforms with the recommer the student for graduate work in chemistry or for employment as a chemist. A minimum of 65 credits in chemistry (excluding CHM 1100 and 2330 ) is required, including the core requirements listed above, and: CHM 3401, 3402, 3403 (14 credits); credits): 5 credits of Independent Project (CHM 4900), or Internship (CHM 4940). The physics requirement and chemistry seminar requirement are described above. Also calculus is required through MAT 1228. Additional mathemat iss is recommended for students planning to go on to graduate work in certain areas of chemistry. A computer programming Cerman French or Russian is desirable for those who plan to do graduate work in chemistry.
OPTION II. - Biochemistry emphasis. This course of study is recommended for preparation for graduate work in biochemisty, or for employment as a chemist in biological, bio-medica, pharmaceutical, or other medical-related areas; it also provide good basis for preparation for medical or dental school. A 2330 ) is required, including the core requirements listed above. and: CHM 3401, 3402, 3403 (14 credits); CHM 4361, 4362, 4363 $(13$ credits); 4542 ( 5 credits). The physics requirement and Chemistry Seminar requirement are described above. Also, calculus is required through MAT 1228. Additional mathemat ork in certain areas of chemistry, A computer programmin course is strongly recommended. A reading knowledge of German, French, or Russian is desirable for those who plan to do graduate work
The B.S. chemistry tracks are credit intensive. In order to complete the major in four years, ideally one should begin with
CHM 1211 in the first quarter of the freshman year.

SUGGESTED FIRST YEAR B.S. CHEMISTRY CURRICULUN utumn
CHM 1211 General Chemistry
ATT 1225 Calculus. $\quad$ Miry ........................................ 5
General Education. ..............................................................................................
Winter
15
HM 1212 General Chemistry
Ceneral Education ...................................................................................... 5
Spring
HM 1213 General Chemistr
AT 1228 Series and Differential Equation........................
General Education Erential Equa 5
$+\quad . \quad 5$
-15

SUGGESTED SECOND YEAR B.S. CHEMISTRY CURRICULUM utumn
HM 3371 Organic Chemistry
PHY 1121 Physics for Science and Engineering .........................................................

Winter CHM 3372 Organic Chemistry ....................................
PHY 1122 Physics for Science and Engineering............... General Education ..................................................... 5

## Spring

pring
HM 3373 Organic Chemistry.
PHY 1123 Physics for Science and Engine..........................
CHM 3226 Quantitative and Instru. Analysis ........................ $\quad$.

## B. A. IN CHEMISTRY

OPTION I. This option is recommended for students preparing to teach chemistry at the secondary level. A
minimum of 52 credits in chemistry is required, including the core requirements listed above, and: CHM $3401,3402,3403$ (14 credits); and 3 credits selected from CHM 4542, or 4361. The physics requirement and Chemistry Seminar requirement are described above. Also, mathematics is required through MAT 1228.

OPTION II. - Pre-Professional Health. This option is recommended to those interested in preparing for medical or A minimum of 51 credits in chemistry is required, including the core requirements listed above, and: CHM 4361, 4362 (10 credits); and 6 credits selected from CHM $3401,3402,3460$ 4542 , and 4363 . The physics requirement and chemistry seminar requirement are described above. Also required is MA CHEMICAL EDUCATION
teaching profession at the elementary level should take CHI 1100 or CHM 1211. (For general science major requirements in elementary teaching, see School of Education listing in this Catalog.) For junior high level a "supporting endorsement" provides an appropriate basis. 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 physical chemistry.
MEDICAL TECHNOLOGY. Medical technology students should complete a B.A. in chemistry with the biochemistry emphasis.
Requirements for the Minor
(minimum of 35 credits; minimum of 15 upper-division) Chemistry courses chosen from at least two of these five areas: organic, inorganic, analytical, physical, and biochemistry.*.......................................... $\frac{20}{35}$

## CHEMISTRY Courses

CHM 1100 INTRODUCTION TO CHEMISTRY (5) Prerequisites: $11 / 2$ years of high school mathematics including algebra, of permission of instructor; passing score on the SPU Entry Skills
Mathematics Competency Exam or take the required MAT 0120 credit concurrently. 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 chemists. Simple preparation for CHM 1211. Includes laboratory.
CHM 1211 GENERAL CHEMISTRY (5) Prerequisites: Requires 2 years high school mathematics (including algebra) and a passing
score on the SPU Entry Skills Mathematica Competenc Exam (i) score on the SPU Entry Skills Mathematics Competency Exam (o
completion of the required MAT 0120 credits), and 1 year of high school chemistry or CHM 1100 . Introduces properties of matter, stoichionemisty, chemical reactions, thermochemistry, statase of matter chemical bo

ChM 1212 general Chemistry (5) Prerequisist: CHM 121 or equivalent. Continuation of CHM 1211 . Introduces molecular an
solid state structure and bonding, properties of gases, licuids and solutions, concepts of chemical kinetics, chemical equilibria, acid base reactions and thermodynamics. Laboratory includes some
infroductory yuantitative analysis. or equivalent. Contituuation of CCM 12212 D. Discusceses nuclear
chemistry precipitation equil bria electrochentsty condi chemistry, precipititation equili bria, electrochemisistry, coordination compounds and inorganic reactions, particulary in the context of mphasis, including chemical instrumentation, incorporating most lements of a traditional quantitative analysis course. Prerequisiste to CHM 2330 ORGANIC AND BIOL
rerequisiste: CHM 1211. Studies simpler laws of organic chemistry ncluding nomencalature and classication. Simple chemistry of carbohydrates, lipids and proteins; integra
chemistry of heredity Includes laboratory.
CHM 2930 CHEMISTRY PRACTICUM (1-3) Registration Approval: Instructor. Selected students are assigned teaching, grading, repeated for credit up to 3 credits.
chM 3226 Quantitative and instrumental analysis (5) Prerequisite: CHM 1213. Laboratoryy oriented course, dealing with the theory and practice of quantitative analytical chemistry with emphasis avariety of separatition, spectroscopic and electrochemical methods, includes engineering and clinical applications. Course Equivalent: EGR 3226.
CHM 3371 ORGANIC CHEMISTRY (5) Prerequisite: CHM 1213. Studies structure, nomenclaturue, reactions and syntheses of organic.
compounds, mechanisms of organic reactions. Laboratory work will compoundss mechanisms of organic reactions. Laboratary w
emphasize basic methods of separation and purification of representative compounds.
CHM 3372 ORGANIC CHEMISTRY (5) Prerequisite: CHM 3371.
Continuation of CHM 3371 Studies structure nomenclature, reactions Continuation of CHM 3371. Studies structure, nomenclature, reactions and syntheses of organiic compounds; mechanisms of organic
reactions. Laboratory work will emphasize basic methods of eeactions. Laboratory work will emphasize basic metho preparation and properties of representative compounds.
CHM 3373 ORGANIC CHEMISTRY (5) Prerequisite: CHM 3372 (CHM 3226 recommended). Examines structure determination of organic compounds, using spectroscopic, chemical and physica CHM 3401 THERMODYNAMICS (4) Prerequisites: CHM 1213 PHY 1103 or PHY 1123 , and MAT 1228 or permission of instructor. Studies equilibrirum and non-equililibrium rroperties of gases, liquids and solids from thernodyanic processes. In Ins: EGR 3401 and PHY
CHM 3402 PHYsICAL CHEMISTRY (5) Prerequisite: CHM 3401
Studies Studies quantum theory and group theory and their applications
spectroscopy, molecular and solid state structures and bonding. Includes laboratory.
3402 Studies statisticical mechenics 3 TRY (5) Prerequisisies: CHM 3402. Studies statisticical mechanics, chemical kinetics, physical and chemical equilibria,
Includes laboratiory.
CHM 3460 PIISSICAL CHEMISTRY LABORATORY (1-2) Prerequistess CHM 1213 or equivalent and CHM 3401 (may be taken concuirently with 30411 . Provides opportunity for several experiments
with a written report for each experiment which includes an analysis of the reviliability and limits of ofroro of the results. May include computer applications. May be repeated for credit up to 2 credits. CHM 4361 BIOCHEMISTRY (5) Prerequisite: CHM 3372 (CHM of biological compounds: carbohydrates, lipids, amino acids and proteins and nuucleic acids. Metabolism: biochemical energgetic, Integration of metabolism: biochemical genetics, metabolic regulation. Includes laboratory. Course Equivalent: BIO 4361 CHM 4362 BIOCHEMISTRY (5) Prerequisite: CHM 4361. compounds: carbohydrates, lipids, amino acids and proteeins and nucleic acids. Metabolism: biochemical energetics, enzymes, electron:
transport and oxidative phosphorylation. Integration of metabolism:
chemical genetics, metabolic regulation. Includes laboratory Surse Equivalent: BIIO 4362. 4363 BIOCHEMISTRY (3) Prerequisite: CHM 436 mune sytem: bapcerinc cuill walls menonglosulins and the action genetic code muscle contraction and cell mobility drug action addeoxification. No laboratory. Course Equivalett: BIO 4363 3. CHM 4542 TRANSITION METALS (5) Prerequisites: CHM 3372 or permission of instructor (CHM 3403 recommended). The chemistry olor, magnetic properties, structure and reactivity to fundamiental heory. Topics from the current chemical literature will be included. opics may include bioinorganic chemistry, organometallic laboratory Attribute: Writing Course.
CHM 4710 MATERIALS CHEMISTRY (5) Studies the reparation, propertites, and applications of polymers and other solid ate materials. Topicics include synthetic pathways, physical and properties. Material studied will be from both naturual and synthetic sources, and will come from the inorganic, organic, and biochemical Ealms. Laboratory included. Class not open to: Freshmen. 372 ; (CHM 4542 is recommended.) A laboratory course involving ghanic and/or inorganic synthesis using advanced techniques such sthe handling of air-sensitive compounds, vaccuum distillations and research project involving synthesis. To be offered on demand basis May be repeated for credit tup to 4 credits.
HM 4900 INDEPENDENT PROJECT IN CHEMISTRY (1research, library research or other individual l proect. A final written eport is required; also, the student must report oraliy on his or her cesults at a chemistry department seminar. May be repeated for credi up to 10 creditst. Atribute: Writing Course.
CHM 4930 CHEMISTRY PRACTICUM
pproval: Instructor. Selected students are assig) Registration
 eeated for credit un to 3 credits Class not repen tonsibilities, May be HM 4940 INTERNSHIP IN CHEMISTRY (1-5) Registration pproval: Department faculty advisor. Provides a significant learnin xperience through a closely supervised work-study program. A final itten report is is required; a speated for credit up to 10 credits. Class open to: Chemistry majors. ass not open to: Freshmen and Sophomores.
seistrito egisistration Approval: Instructor. Deals with selected chemisty topics

## CLASSICS

See Languages section.)

## COLLEGE OF ARTS AND SCIENCES

Martin Abbott and Thomas Trzyna, Deans he College of Arts and Sciences at Seattle Pacific University rovides a foundation of liberal learning, as well as skills in reasoning, judgment and communication that can be applied
directiy in many areas of employment and used as a springboard for advancededucucation. The disciplines of the arts and sciences are ruly foundational, providing the broad basis for a well-educated person. Central to our mission is the formation of a mature
Christian faith and the development of the whole person, including
aulurual and artistic sensitivity, growth in self -xpression and an appreciaion for the importance of person fitness. Graduates of the earning and responsiveness to a changing world and are highly regarded by employers in many fields of challenging and productive regark
work.
There
There are four divisions within the College of Ats and Sciences: ine Arts, Humanities and Religion, Natural Sciences and Social and Behavioral Sciences.

## COMMUNICATION

## Robert Chamberlain, Chair; Debra

## Sequeira, William Purcell

This discipline offers courses to all students seeking understanding and skills for managing their conduct as speakers and steners. Curricula are designed to generate understanding of history, and of speech as an art form and tool. Students who major in communication explore theory, application, and istory of human communication from ancient times to the resent. Research emphasizes the intrapersonal, interpersonal with personal, religious, social, and political concerns. be proficient in a foreign language. Proficiency is established upon satisfactory completion of the third quarter of a first yea college-level foreign language or its equivalent. For alternative vays of satisfying this requirement, see the general education section of the Catalog. Language proficiency is not satisfied a rranscript records the compietion of foreign language coursework.

## Requirements for the Major

minimum of 50 credits; minimum of 23 credits upper vision)
Required core courses:
onal Communication .... 3 COM 1301 Public Speaking (3)
COM 1321 Speaking Before Groups (5)
Select one course from the following:
C0M 2227 Smll Group Discussi $\quad \cdots \cdots \cdots . . . .$.
COM 2227 Small Group Discussion and Leadership. (5)
COM 2323 Argumentation. ..........
COM 3001 Theory and Research in
Communication Studies..................
Select one course from the following:
COM 3628 Foundations of Western Rhetoric (5) COM 3629 Modern Rhetorical Theory (5) COM 4142 Relational Communication A minimum of two quarters of practicum Total .................................................................-4-42
Note: Not more than 6 credits of practicum may be applied
toward the major. Elective credits ( $8-16$ credits) are to be toward the major. Elective credits (8-16 credits) are to be selected from the remaining communication courses. Elective consultation with the student's advisor

## Requirements for the Minor

 (ninimum of 30 credits, minimum of 15 upper-division) Required core courses: COM 1101 Introduction to InterpersonalCommunication
Select one course from the following:
COM 1301 Public Speaking (3)
COM 1321 Speaking Before Groups (5) .................. 3-5 COM 3001 Theory and Research in Communication Studies ..............................................
 *The practicum credit(s) may be completed eitber in than 2 credits may be applied toward a communication minor. Electives ( $13-16$ credits) are to be selected with the prior written approval of an advisor from the communication faculty

## COMMUNICATION Courses

## COM 1101 InTRODUCTION TO INTERPERSONA

 COMMUNICATION (3) Suddies bases of interpersonal communication, including sei.-concept, content and relational dimensionscommunication, nonveribal communication, asertiveness and
conflict.
COM 13
COM 1301 PUBLIC SPBAKING (3) Develops basic skills for public platform speaking with special attention to idea development
and strucure. Not open to students who have taken coM
col Students planning to major in communication should register for COM 1321.
COM 1321 SPBAKING BEFoRE GROUPS (5) Analyzes
platform speaking; includes analysis, rreparation and presentation of Not open to students who have taken COM 1301. Recommended for students planning to major in communication; open to other student COM 1930 FORENSICS PRACTICUM (1-2) Registration Approval: Instructor. Provides experience in cocurricular speect
activities. Meets weekly by arrangement individal coaching activities. Meets weekly by arrangement; individual coaching
conferences. May be repeated for credit up to 12 credits. Class not ope conferences. May be repeated for credit up to 12 credits. Class not open
to: Juniors and Seniors
COM 1931 COMMUICATION 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 SMAL GROUP DISCUSSION AND LEADERSHIP (5) Develops awareness of and experience in the processes of small,
coacting group activity; examines and applies theories of stuccure, climate, roles, norms and leadership in planning and managing member particication. Explores group effort in fact-finding, problemsolving and decision making.
Examines ambiguity analysi, evidenco OF INFERENCE (5) applies principles of of reasananing to sigignificiant issues through extensive practice in public discourse, questioning, response to questions,
refutation and negotitaion COM 2330 ORAL INTERPRETATION OF LITERATURE (5) Analyzes itterary works to discover means of effectively communical ing literature orally, provides opportunities for guided practical
experience in narrative lyric poetry and dramatic reading experience in narrative, yyic poetry and dramatic reading. Explores selected topicis in communication, with emphasis on skills and content not normally examined in regular curriculum. Offered sccasionally with specific topics identified in time schedule. May be COM 3001 THEORY AND RESEARCH IN COMMUNICATION STUDIES (5) Provides examples of and practice in, research in human communication using historical-critical, quantitatative and qualitative methods of investigation. Prerequisite for all communica-

COM 3102 LISTENING (3) Evaluates research into nature of sennig; provides exposurie to aesthetic, substantive and critical ent of listening skills and/or listening curriculum for elementary COM 3160 CONFLCTT MANAGEMENT (3) Examines researc and techniques for conflict management. Includes theory, mode and Com 3321 Advanced public speaking (5) Prerequisite COM 1301 or 1321 , or permission of instructor. Advances application of specch principles to prepare public address for various contexts, composition, style and presentation
Composition, style and presentation.
COM 332 PERSUASION: SOCIAL INELUENCE AND RESPONSIBILITY (5) Evaluates the role of persuasion in scciety
the role of symbolic persuasion; production and recention of persuasive messagass; the persuasive event and the persuasive campaign; ethical questions in sccial influence.
COM 3351 VIDEO PRODUCTION (3) Exposes students to the process of creating video programs in the field (cortable cameras) and Ielevision electronics, and creative individual and team processes used in developing a video oprogram. May be repeated for creditit time. COM 3628 FOUND EqTival xamines theories of communication andern RHETORIC (5) imes to the 5th century A.D. Intensively sududies selected Greek and Roman rhetorical treatises. Attribute: Writing Course. COM 3629 MODERN RHETORLCAL THEORY (5) Examines the rresent, with speciail emphasis on European and American thetorical theorists. Attribute: Writing Course. historical and contemporary perspectives on freedom of the press, historical and contemporary perspectives on freedom of the press, of public interest, convenience and necessity. Includede analysis of the media as shapers of cullure and values. Course Equivalent:JR Approval: Instructor. Provides experience in cocurricular speech accivities. Meets weekly by arrangements Individual coaching
conferences. May be repeated for credit up to 12 credits. Class not open conferences. May be repeated for creart up to 12 credits. 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 application to campus ministry yeams, speakers bureau and other Freshmen and Sophomores.
COM 4142 ADVANCED INTERPERSONAL COMMUNICACOM 4142 ADVANCED INTERPERSONAL COMMUNICA-
TION (5) Prerequisites: COM 1101, 3001 or pernission of instuctor IION (5) Prerecuisistes: COM 1101, 3001 or permission of instructor
Focuses on selected communication theories, research and application pertaiaing, to initiation, development, maintenance and dissolution of dyadic relationships.
COM 4180 CULTURAL COMMUNICATION (3) Examines theory and literature of the ethnography of communication, with
direct application in the description and analysis of language in its social context. COM 4265 ORGANIZATIONAL COMMUNICATION (3) Prerequisite: COM 3001. Analyzes organizations as contexts for
human communication. Evaluates organizational structures, decision making, group process and organizational efficiency.
COM 4318 STORTTELING $(3)$ Gives instruction CoM 4318 STrRYTTELING (3) Gives instruction in selecting, preparing and presenting stories aloud to various audiences according
characteristicics of story teller and audience. Presents teaching methods and problems of the speech classroom and
curriculum; explorest he history of spech education Required of students seeking teaching credentials in speech. offered on demand. COM 4607 CRITICISM OF PUBLIG ADDRESS (5) Prerequisite COM 3001. Applies rhetorical heorries to historical and contemporary
political, social and religious oratory. Treats the specch as historical political, social and religious oratory. Treats the spech as historical
document, cause of social change and refiner of theory. CoM 3628 or 3629 is strongly recommended before registration for COM 4607 . 3 Attribute: Writing Cousse.

COM 4900 INDEPENDENT STUDY (1-5) Registration Approval dependenl tuad Agreement. ndividual research and conferences in not open to Frieshmen and Sophamomores. COM 4910 COMMUNICATION SEMINAR (3) Prerequisites: Completion of 15 credits in communication major; COM 3001. Cias Oot open to: Freshmen and Sophomores. pproval: Instructor. Provides selected students with experience as undergraduate teaching assistants in lower division courses. May be epeated for credit 2 times. Class open to: Communication majors. ATION (1-5) Registration Approval: Instructor. Prerequisites: 15 CATION ( 1 "5) Registration Appprova: : Instructor. Prerequusisites: 15 . Provides supervised application of interpersonal and public communication skils
up to 5 cedits.
4941 COOP EDUCATION: INTERNSHIP IN COMMUN COM 4941 COOP EDUCATION: INTERNSHIP IN COMMUN ATION (1-5) Registration Approval: Instructor. Prerequisites: 15 Credits of "B" work in communication; an approved internship plan. communication skills in the marketplace. May be repeated for credit up to 5 credits.
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 ccasionally with specific topics identified in time schedule. May be
repeated for creddt up to 40 credits.

## COMPUTER SCIENCE

## Michael H. Tindall, Cbair; Charles Burris hilip Prins, Elaine Weltz, Dick Wood

 Computer science is the discipline which studies the representalion, storage, and transformation of information utilizing automatic computing machines. The computer scientist Interested in developing computer software and hardware to he organization and operation of modern computer systems, a knowledge of the problems and applications in a related discipline is highly recommended.The computer science program at SPU emphasizes software design and development. Both Bachelor of Science and more application-oriented Bachelor of Arts degree options are including systems analysis and design, computer programming, software engineering, and various other computerriented business, scientific and engineering occupations. Computer scientists are in demand by business, industry, and government agencies, and this demand is expected to continue.
A variety of computing equipment is available at SPU to A variety of computing equipment is available at SPU to tive timeshare computing is provided by Digital Equipment Corporation mini-computer and a fiber-optic EtherNet network. The student laboratory contains about 15 vT320 timesharing erminals and about 35 IBM PC-compatible microcompute ystems, each connected to the EtherNet and with access to printers and appropriate software systems. obtain their own IBM PC-compatible machine to gain the full experience of configuring and maintaining a computer system. A suitable system would be based on a 486 or Pentium processor with 8MB memory, 400 MB hard drive, VGA video display, mouse, 14,400 Baud modem, and printer. Software should Professional recommended) and a word processor (such as Microsoft Word for Windows). Some courses may require other software which will be available in the student laboratory or for

## Requirements for the Major

A computer science major requires satisfying the base requirement and the requirements for either the B.S. degree or one of the approved B.A. option tracks (business, computer systems or quantitative
Preliminary Prerequisites. MAT 1101 is assumed. MAT 112 and 1114 are recommended. A person with no computer ackground can begin with course CSC 1115
Upper-Division Courses. Enrollment in courses computer science major (see a computer science advisor) Base Requirement. Students planning a major in computer science for either the B.S. or B.A. degree must complete a base requirement of MAT 1720; CSC 1230, 2430, $3150,3310,3350,3410,3430$, and 3760 plus one course f SC 2220, 2221, 2224 and 2226.; and ENG 3206 or 3207
B.S. Program. Students planning to major in computer
science for the $B . S$. degree are required to complete in add ition to the base requirements, MAT 1225, 1226, 1228 and 1360; PHY 1121, 1122, and 1123; EE 1210 and 3270; 16 credits from course numbers CSC $4000-4899$ (selected from this catalog) and three credits from course numbers CSC 4000-4999.
B.A. Program (Business option). Students planning to major in computer science for the B.A. degree with a business emphasis are required to complete, in addition to the base
requirements, MAT 1221 or 1225 and 1360 ; ECN 2101. ACCT 2361 , ACCT 2362 or BUS 3250 ; BUS 3541 or 3614 ; and seven credits from course numbers CSC $4000-4899$. CSC 2221 must be included as part of the Base.
B.A. Program (Computer Systems option). Students planning to major in computer science for the B.A. degree with a computer systems emphasis are required to complete, in addition to the base requirements, MAT 1225, 1226, 1228 and $1360 ; 116$ credits from course numbers CSC 4000-4899;
three credits from course numbers CSC 4000-4999. B.A. Program (Ouantitative option). Students B.A. Program (Quantitative option). Students planning
to major in computer science for the B.A. degree with a mathematics/quantitative emphasis are required to complete, in addition to the base requirements, MAT $1225,1226,1228$, $2228,2375,2401,4725,4361$ and $4362 ;$ and seven credits from courses numbers CSC $4000-4899$. CSC 2220 must be included as part of the base.
Computer Science (B.A. - Business option). Evening business applications option Bachelor of Atts major with taking evening and weekend courses. Contact the computer science evening major coordinator at (206) 281-2140 for information regarding scheduling for the coming year.

## Requirements for the Minor

A computer science minor requires a minimum of 28 credits in computer science courses, including at least 15 upper-division
credits. Each student minoring in computer science will complete CSC 1230, 2430 and 3760 . Also, at least one of MAT 1221, MAT 1225 or MAT 1360 must be completed.

## COMPUTER SCIENCE Courses

cSC 1115 Introduction to dos applications (3) Prerequisiste: MAT 1101. Introduction to personal computer (perations
and applcation sofware File systems, directories and disk operations
 System configuration. Introduction to word processing, number
processing and data management application: CTCCessing and BASLC PROGRMMMING (3) Prerequisite: MAT 1
Introduces computer programming using the PASIC language.

CSC 1230 PROBLEM SOLVING AND PROGRAMMING (5) Prerequisite: MAT 1101. Introduction to computer science. Proble solving methods and algorithm development. Modern programming
methodologies. Fundamentals of a high-level block structured Canguage . SCIENTIFIC PROGRAMMING (3) Pretequisites: MA 1221 or MAT 1225, CSC 1230 (or other programming language).
Explores fundamentals of computer programming and problem solving for engineering and science students.
CSC 2221 RUSINESS PROGRAMMING (3) Prerequisite: CS soving for engineering and science students (3) Prereuuiste: CSC
CSC 221 BUINES PRORAMMIG
1230. Fundamentals of business computing ssstems, programming 1230 . Fundamentals of business computing systems, programmin
and applications. and applications. Prerequisite: CSC 2430. Introduces the object oriented programming
methododogy, languages and systems. Encapsulation. Classes. methodology, languagaes and systems. Encapsullation. Classes.
Inheritance. Polvmerphism Inheritance. Polymorphism. 2450. Introduces functional progranmming languages and systems CSC 2430 DATA STRUCTURES AND PROGRAMMING (5) Prerequisite: CSC 1230 or equivalent. Develops discipline in program
design, style, debugging, testing. Linked data structures, trees, design, style, debugging, testing. Linked data structures, trees, ming language.) $\mathbf{C S C} 2951$ DIRETED STUDY:"C" PROGRAMMING (2) Prerequisite: CSC 1230 Presents fundamentals of the C programming CsC 3150 SYSTEMS DESIGN (3) Prerequisiste: CSC 2430; CSC 2221 recommended. Issues and tools used in the analysis and design of software systems. Data flow diagrams, data dictionaries, process the evaluation of specifications and designs.
CSC 3310 CONCEPTS IN PROGAMMING LANGUAGES (4) CSC 3310 CONCEPTS IN PROGRAMMING LANGUAGES (4)
Prerequisite: CSC 3760 and knowledge of two high-level programming
 languageses. Run-time behavior and requirements of programs. Programming language specification.
CSC 3350 SYSTEMS PRRGRAMMING (4) Prerequisite: CSC
3760. Introduction to systems programming sytem soltyare. 3760. Introduction to systems programming. Systems software.
Operating system interface and functions. Utilities and shell programming. Linkers and loaders. Translators. Assumes knowledge of the C programming language.
CSC 3410 FIIE STRICTURE
CSC 3410 FLIE STRLCCTURES (5) Prerequisites: CSC 2430 and Mor implementing different file organizations. Methods of organizizng ar mpiementing dififerent filie organizations. Methods of organizing
and accessing data on secondary storage devices: indexing, trees and hashing. Memory allocation and managements. Includes the design and inp.ementatien files.
CSC 3430 ALGORITHM DESIGN AND ANALYSIS (4)
Prerequisites: CSC 2430, MAT 1360, MAT 1720 and MAT 1221 or MAT 1225. Desigig and a nalysyis of algorithmm for searcching, sorting, string processing, table management
CSC 3760 computer Organization and assembly LANGLAGE (5) Prerequusite: CSC 2430; MAT T 1720 or EE 12120 is recommended. Organization and structuring of the majior hardware
and sotware components of computers, mechanicis of information transfer and comptron withthin adigitial comps, metheranicrs system. Networmation communication systems. Microprogramming. Machine instruction
sets. Assembly language programming. Course Equivalent: EE 3760 sets. Assembly language programming. Course Equivalent: EE 3760 .
CSC 390 INDEPENDENT STUDY IN COMPUTER SCIENCE (1-5) Registration Approval: Independent Study Agreement. Independent study and research in an advanced computer science Copic. May be repeated for credit up to 10 credits. Regisiration Approval: Instructor. Studies applied computer science. lypically involves academic systems programmining, teachingge, grading,
lab preparation of tutoring responsibilities. Includes an assessment of hristian service issues or experiences. May he repeated for fersmedt of 10 credits.

CSC 3940 INTERNSHIP IN COMPUTER SCIENCE (1-5) Registration Approval: Instructor. Provides a significant learning
experience to be obtained in a supervised work-study environment. Typically involves work in isytems analysyis and design, addancoed
applications or systems programming. Includes an assessment of
Christian service issues or experiences. May be repeated for credit up to 10 credits.
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.
CSC 360 PROIECT
Registrat COMPUER SCIENCE (1-5) Registration Approval: Instructor. Independent work on a significant project in
credits.
CSC 4150 SOFTWARE ENGINEERING (4) Prerequisite: CSC 3150. TTpics in software engineering, includuing team programming
proiect pianning and management SDIC (soffware development 1ift project planning and management, SDLC ( software development life
Cycle) and software quality assurance. Automated tools for use in software engineering. Couise requirements include the design and implementation of a major software project.
CSC 4210 THEORY OF COMPUTATION AND ALGORITHM (4) Prerequisites: CSC 3430 , CSC 3760 , MAT 1360 and MAT 1221 o
MAT 1225 . Introduction to theoretical topics in computer science. Formal languages, automata and parsing. Computational complexity analysis of algorithms. Complas r. Program correctness and CSC 4310 C CSC 4210. Studies programming language translation and compil design conceptss; language recognition, symbol table management semantic analysis, code generation
CSC 4350 OPERATING SYSTEMS (4) Prerequisite: CSC 3350 Introduces the major functions of operating systems. Processes and concurrency. Concurrent programming. Resource allocation, ory management and device CSL 4410 DATABASE MANAGEMENT (4) Prerequisites: CSC 3150, CSC 3410 and MAT 1720. Introduces database concepts: dat models; data description and data manipulation languages: query
facilities; data security interity and reliability. Primary emphasis on facilititis; data security, integrity and reiliability. Primary emphasis on
relational data model; includes the design and implementation of database applications using a relational DBMS
CSC 4510 GRAPICAI USER INTE
CSC 4510 GRAPHICAL USER INTERFACE DESIGN AND PROGRAMMING (4) Prerequisites: CSC 3350 . CSC 2224
recommended. Introduction to programming in the Windows GUI environment. Comparison to other GUI environments. CSC 4760 ADVANCED COMPUTER ARCHITECTURE (4)
Prerequisite: CSC 3760 or EE 3760 . Studies the architecture of Prerequisite: CSC 3760 or EE 3760 . Studies the architecture of
multiprocessor, vector, pipelined and parallel computers. Emple mulutiprocessor, vector, pipelined and paraalee computers. Emphasis
placed on principles of parallelism and their application. State-of-theart super computers are discussed.
CSC 4800 ADVANCED ISSUES
CSC 4800 ADVANCED ISSUES IN COMPUTER SCIENCE (25) An advanced course studying a special interest topic in compu science. Topics and credits may vary between offerings. May be
repeated an unlimited number of times. May be repeated for at unlimited number of credits. Class open to: Computer Science majors.
CSC 4810 ADVANCED ISSUES IN COMPUTER (2-5) An CSC 4810 ADVANCED ISSUES IN COMPUTER ( $(2-5)$ An
adranced course studying aspecial interest topic in computer science. Topics and credits may vary between offerings. May be repeated an
unlimited number of times. My be repated for an unlimited number unlimited number of times. May be repeated for an unlimited number
of credits. Atribute: Writing Course. Class open to: Computer Science majors.
CSC 4900 INDEPENDENT STUDY IN COMPUTER SCIENCE (1-5) Registration Approval: Independent Study Agreement. topic. May be repeated for credit up to 8 credits 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 assesment of lab preparation or tutoring responsibiilities. Includes an assessment of 8 credits.
CSC 4940
CSC 4940 INTERNSHIP IN COMPUTER SCIENCE (1-5) experience to be obtained in a supervised work-study environment.
pically involves work in systems analysis and design, advance ppications or systems programming. Includes an assessment of 8 credits SC 4950 TOPICS IN COMPUTER SCIENCE (2-5) Registraion 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. Class etween offerings. May be repeated for credit up to 5 credits. Class ophomores.
SC 4960 PROJECT IN COMPUTER SCIENCE (1-5) Registration Approval: Instructor. Independent work on a significant
proiect in computer science. May be repeated for credit up to 8 credits

EDUCATION, SCHOOL OF

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 profe sional practice. The mission statement of the school is
"Educational Leadership Through Quality and Commitment School of Education programs are accredited by the Nation ouncil for Accreditation of Teacher Education. Certification programs in the School of Education are also accredited by the vashington State Board of Education and meet initial and ontinuing level requirements for State of Washington lementary and secondary teaching certificates. The basic certuication programs n nhe school of Education ermeates all courses and field experiences. This knowled ase consists of two elements: (1) the theoretical and philoophical foundations of education drawn from the social and ehavioral sciences, and (2) the effective teaching and ory) and Phase II (methods courses and practicum-internsh omponents of the basic programs are built on this knowledg base and reflect recent research on effective teaching
Students who successfully complete the Seattle Pacific basic ertification program will have:
completed an integration of liberal studies, an academic content and skills of professional education
. an understanding of the basic psychological and sociological foundations of education, including how
individuals think and learn at different ages and
developmental stages;
3. the ability to communicate effectively using the written and spoken word;
concepts, to recognize the kinds of errors or difficulties students experience, and to reteach difficult concepts;
an appreciation of the diversity found in our culture and ther culures with a view of education as a helpin profession
select, develop, and use appropriate teaching strategies nd materials, to observe and analyze the performance f a variety of students (including students from different cultural and ethnic backgrounds);
an understanding of how technology can be integrated
with effective teaching practices to ensure the develop with eftective teaching practices to ensure the developconceptual and social learning, rather than rote learning of skills;
demonstrated the ability to apply principles of learning theory into classroom practice.

The School offers graduate programs in curriculum and instruction, reading language arts, school administration, program in educational leadership. For further information se the Graduate Catalog. Brochures detailing program requirements and course descriptions are available from the School of

## SCHOOL OF EDUCATION CODE OF ETHIC

As teachers perform their duties, they serve as role models exhibititing standards of behavior which are not only observed by members of the community. As viable modeds, teachers must able to demonstrate a high standard of ethical behavior. In the School of Education, we are not only preparing teachers for reparing people who will live their lives through, Christian principles, giving additional meaning to our work in the evelopment of moral character
As students and emerging teachers, individuals will be honest and fair, and will treat others with respect and trus.
The following specific behaviors apply as related to the ndividual's academic conduct and as an emerging teach eaching and reinforcing these behaviors in students:
cademic Work: (1) The individual's academic work (such s papers, assignments, reports, tests) submitted shall be the hhole to its correct source. (2) The individual will use only her own information and only authorized notes or study aids on an examination. This means that it is unacceptable to use information from another student or another student's paper laring an examination unless directed by the instructor to work with another student or in cooperative groups. (3) The grading unless asked to do so by the instructor The individu will only submit work that is his/her own. This means that abmission of commercially prepared materials as if they are one's own is unacceptabl.

Research Procedures: Data in a piece of work must be gathered in accordance with guidelines defining the appropriccompanied by an accurate account of the method by which data were gathered or collected.
Aiding Honesty in Others: The individual will encourag nesty in others by refraining from providing materials or materials or information will be used improperly.

Authenticity of Documents: The individual will present grade authentic documents and records such as transcripts, petitions, or any document desionned recommendation, individual from an established requirement or regulation

## MORAL CHARACTER AND PERSONAL

## FITNESS POLICY

Teacher certification programs at SPU include a number of experiences in public and private schools working closely with for potential teur belief that this is an important opportunity lor potential teachers to learn and to develop the skills responsibility to provide prospective teachers wis experiences in school settings. At the same time, the Scho with heindividuals whom we send int with children are adequately prepared academically, and that
hey possess the desirable psychological and emotional hildrenen in the schools from inadequately trie protection of or from individuals of questionable emotional or psychologic stability is a paramount concern. Consequently, the School of ducation reserves the right to refuse placement of any SPU student in a practicum setting (including Phase One) if in the rofessional judgment of School of Education faculty there is a losely with children Any SPU student re
course which involves working with children of education understanding:

Admission to the course and subsequent placement with children may be denied if fitness for such a placement is questionabl
2. The student may be required to withdraw from the course, practicum experience or the certification program should the School of Education receive information during the course of a practicum placement which raises a concern about the fitness of the person to work in a setting with children.

$$
\begin{aligned}
& \text { Information received about the fitness of the student for } \\
& \text { working with children may be shared with the school }
\end{aligned}
$$

district to determine if a placement can and should be
made, or if a placement should continue
4. Ultimately, the SPU School of Education cannot overrid
school districts, and that practicum school districts, and that practicum placements are
dependent on school district cooperation and subject school district approval. Peration and subject to Denial of, or removal fr
lack of fitness to work with children will result in a denial of admission to the teacher education program being dropped from a program if the student has 6. Acceptance into the pro
program does not grarantee granting of a Washingt State teaching certificate. In addition to a satisfying the requirements of SPU, good moral character and personal fitness to hold such certification must be established by each student with the Washington State
Office of the Superintendent of Public Instruction Office of Professional Practice.

Admission to the School of Education student enroling in Phase I is considered a tentative Phase I quarter thssion to the School of Education. During the Phase I quarter, the student is asked to prepare a formal saptisfactory completion of Phase I. The considerered only ypon the sequence of professional courses (Phase II) may continu of application and fulfillment of Phase II prerequisites. Admission to the School of Education is contingent upo meeting the following requirements:

Achieve a B average (3.0) in EDU 3103, 3104, EDSP 3107 (with no grade lower than C) and 3.0 or above in Achieve a cumulative
achieved a 3.3 GPA in the last 45 credits of coll university work.
3. Achieve a specified competency level in basic skills tests as determined by the School of Education. Check with the School of Education for tests required, testing policy,
and specific competency-level requirements. . Successfully plan and evaluate professional goals required by the School of Education 5. File a formal application for internship and contract indicating projected quarters of internship (Phase II)
"Our Lord was the ultimate teacher. understood His students and met them at their points of greatest need As educators, we are called by Him to share in a great adventure in which we as maximizing their buman potential while continuing our oum quests for knowledge.

Patricia A. Hammill School of Education

6 Complete Phase I and achieve a favorable recommend tion from the Phase I team. The Phase I experience must be no more than five years old for admission to the School of Education
Code of Friate Moral Character/Personal Fitness and Code of Ethics forms.
8. Meet the requirements listed above by following this time schedule:
autumn/winter internship - Aprill 1
winter/spring internship - September 1
spring/autumn internship - January 15
9. Complete and submit the application form to the School of Education
It is expected that the above requirements will be completed by

## INITIAL LEVEL CERTIFICATION

The professional program in education at SPU consists of three parts: 1) Phase I, 2) either elementary skills or secondary

## Phase I Program

## Lorelie Olson, Cbairperson

Designed to provide the basic foundations for beginning educational psychology and the social ramifications of the schooling process. Students are placed in daily public school laboratory experiences which provide them an opportunity to immediately observe and apply their learning. This involves one-fourth of the school day; then they return to campus for Phase I lab students are expected to provide their own transportation to and from the school settings. Students are evaluated on cognitive, affective and professional qualities during Phase I. Successtul completion of Phase I with a favorable evaluation is required for admission to the School of Education and into Phase I

EDU 3103 Foundations of Education, Instruction and Classroom Management............................................ EDU 3105 Laboratory Experience .......................... 3 EDSP 3107 Exceptionality in the Classroom ...................
It is NOT recommended that Phase I be taken during the first quarter a student is at SPU. Students are eligible to enter Phase presenting erimits, by completing all the prerequisites a scores.
There are no guarantees that tentative advising schedules can be completed in the particular quarter identified on the plan.

It is strongly recommended that Phase I be taken after junior status is attained. The following are required*:

1. PSY 1180 General Psychology (not more than five years
before Phase I) with a grade of C [2.0] or better.
2. A cumulative 2.8 GPA or have a 3.0 GPA in the quarter immediately preceding Phase I ( 12 credit minimum and 3.0 on the last 30 credits)
english, spelling, and competency tests Code of Ethics forms.
*Verification to registering and prior to the frist day of Phase I classes to registering and prior to the first day of Phase I classes.

Transfer Student

1. All transfer students are required to take Phase I. admission to the School of Education grade point average of 3.0 including work taken at SPU and other institutions or 3.3 in the last 45 credits of college or university work is required.)
2. Transfer students who hope to transfer any courses required for certification must confer with the undergraduate advisor and other appropriate faculty
members in the School of Education regarding cours substitution requirements and procedures in their program of study before they begin the program.
3. All transfer students must complete at least 10 credits, including professional courses, at SPU before being considered for admission to Phase II (internship o 5. Alt student teaching must
major according to State peceptable undergradu guidelines.
4. All transfer students are required to take the entire Phase II program at SPU. Any exceptions must be petitioned Education and each petition must be accompanied by Education and each petition must be accompanied by he course in question. If any petitions are granted, a minimum of 26 credits must be completed as a regularly enrolled student at SPU including the Phase II internship.

## Phase II Programs

Phase II programs involve both teaching methods and a two- or hree-quarter internship in public or private State approved chool classrooms under the direction of both University and school supervisors. The purpose of the internship program is to provide an extended experience in a teaching situation in which the student has opportunity to apply learning theory the senior year or as a graduate student. All students preparing or teacher certification are required to complete this phase. The student chooses the elementary, middle school, junior high or senior high school level for this culminating school internship experience. The internship consists of observation, leaching, and extracurricular duties in the public or approved classes conducted by School of Education faculty. The intern not only works under and is responsible to the cooperating leacher and the principal of the assigned school but is als responsible to a SPU coordinator who gives professional guidance and evaluation. A grade of 3.0 or above in the internship is a prerequisite to recommendation for a teaching
certificate. Students seeking separate endorsements for the ertumencal. Sury and seconts sedring levels suast complements for the enernship at the elementary level and two quarters of internship at the secondary level.

## Internship Placement and Supervision

## Policy

Sudents anticipating teaching internships should be aware of chool of Education school site placement policy.

1. Internship sites will be selected from districts near the
University which have contractual internchin agree University which have contractual internship agree-
ments 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 which are new to them in an effort to broaden their school experience. Schools where they have been students or parents of students,
volunteers, aides, coaches or Phase I participants will not generally be considered.
anged 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. 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 three weeks
prior to the first quarter of the scheduled internship. Failing to do so will result in a penalty of $\$ 70$
2. It is strongly recommended that students not be professional demands of the internship program. In addition, students may not enroll in courses exclusive of the Phase II requirements during the internship.
3. Interns are expected to provide their own transportation
ot the internship school site

## ELEMENTARY

## Harriett Kovacevich, Chair

## Admission To Elementary Phase II Progra

Requirements for admission to the Elementary Phase II
rogram for SPU stadents are as follows:
of the Phase I terhool of Education, recommendation the Mrase F team, and maintenance of eligibiity and I experience is more than five years old there will be an additional requirement to update that experience -
Maintenance of the same grade point average require for admission to the School of Education.
3. Senior or graduate standing.
4. Completion of MAT 2530, MAT 2531, LIN 2100, EdRd 3529, EdSc 4234 and EdTc 4235
6. Wt least 15 upper-division credits in the major.
majors must be filed with the School of Education at the time of registration for Phase II.
7. Participation in a pre-internship conference with a
designated member of the elementary Phase II team.
8. Fingerprint clearance.

## lementary Phase II Program

The schedule of courses for each quarter of the two-quarter internship is as follow
DU 4230 Elementary General Methods
Theory into Practice
dRd 4231 Reading, Lang. Arts.............. dMa 4232 Mathematics Methods: Elementary Emphasis UU 4941 Internship A.
nd Quarte
EDU 4942 Internship B
$\ldots . .17$

Majors for Elementary Teachers
An academic major is required for all elementary teachers in addition to the elementary certification requirements. Students of Instruction section of the Catalog (i.e., history, music psychology, English, math). They also may select special
education as their academic major or one of the broad field majors listed below. To be admitted to these broad field major students must meet the admission requirements of both the in which of the courses and offered. For initial advising contact he School of Education undergradute advisor. These maio re designed for students who are seeking elementary certification:

## INE AND APPLIED ARTS

Harriett Kovacevich, Advisor, School of Educatio
$61-66$ credits required
RT 1180 The Visual Arts
RT 1102 Drawing Studio (3) or ART 1103
Drawing Studio (3).
ART 1202 Design Studio .................................
ART 2425 Weaving Studio (3)
RT 2428 Ceramics Studio (3)
T 3604 History of Renaissance Art (5)
ART 3605 History of Modern Art (5)
COM 4318 Storytelling...
PPA 1101 Arts in American Culture
MUS 3501 Designentary Mamentals.
MUS 3501 Elementary Methods and Materials.................
MUS 1250 Beginning Keyboard :
MUS 1251 Intermediate Keyboard (1)
MUS 1260 Beginning Voice (1) or
MUS 1261 Advanced Voice (1)
MUS 1270 Beginning Folk Guitar (1) or
MUS 1271 Intermediate Folk Guitar (1) ................................
TRE 1110 The Theatre Experience (5) or
TRE 3780 The Art of Film (5) ........
TRE 1310 Acting I: Fundamentals...
Select one course from the following:
TRE 2320 Stavement or Performing Artist (2)
TRE 3321 Elements of Mime (2)
TRE 4770 Creative Dramatics
Total.
.............................. 58
3421 (3) ART 4849 (3) 3421 (3), ART 4849 (3), FCS 3870 (5), FCS 4730 (5), MUS music, theatre and family consumer sciences.

## SCIENCE

Wesley Lingren, Advisor, Chemistry Department (45 credits required including minimum of 23 upper-division)
NMS 1110 Intro to the Nature of Sciences.
NMS 1135 Astronomy
NMS 1150 Intro to Geology .................... 1102 Individual and the Environen
BIO 1111 (5) and BIO 1112 General Biology (5)
(or high school equivalent) ...
CHM 1100 Intro to Chemistry (or high s.................... 10
MAT 1101 Intermediate Algebra

proved electives to complete 45 credits. Recommended ) BIO 4330 (5) BIO 4950 (5) CHM 4800 (1-3) FCS 3340 (3), MAT 1360 (5), NMS 3120 (5).

## AMILIY AND CONSUMER SCIENCES

## arbara Bovy, Advisor, Family and Consumer

ciences Department
$47-49$ credits; minimum 45 credits required including 25 upper-division)

CS 1050 Professional Perspectives CS 1310 Introductory Nutrition
CS 1710 Design Fundamentals
CS 2365 Food Sciences (5) or
FCS 2838 Food and the Consumer ( 3 )
CS 3220 Child Development..
FCS 3385 Food and Culture.
FCS 3410 Family Economics (3) or
FCS 3412 Consumer Issues (3)
FCS 3460 Family Resource Management
FCS 3564 Presentation Skills
FCS 3875 Clothing and Human Behavior
FCS 4240 Family Relations.
FCS 4250 Strategies in Early Childho
FCS 4630 Environmental Sciences
Foundatio

## LANGUAGE ARTS

Luke Reinsma, Advisor, English Department (54-56 credits required including minimum of 23 upperdivision)
LiN 2100 Foundations of Language Study
Select one course from the followin
LIN 4410 Transformational Syntax (3) $\qquad$ .. .3
ENG 2251 English Literature
Beginnings through Milton
ENG 2252 English Literature:

Select two courses from the following:
ENG 2205 Writing to be Read (3)
ENG 2215 Imaginative Writing (5)
ENG 3206 Technical Writing (3)
ENG 3305 Advanced Expository Writing (3)
ENG 3334 American Ethnic Literature EdRd 4516 Children's Book
TRE 4770 Creative Dramatics (EDU 4540 )
COM 1101 Introduction to Interpersonal Communication COM 2330 Oral Interpretation of Literature
COM 3102 Listening....
Total.
Students choosing the language arts major must fulfill the second language proficiency requirement. The requirement,
equal to the completion of the third quarter of a University-lev course in the language selected, may be met by the study of any modern or classical language.

## MATHEMATIC

ics Department
50 credits required including minimum of 23 upper-division)
MAT 1225 (5) and MAT 1226 Calculus (5) $\qquad$
MAT 1360 Intro to Statistic MAT 2401 Linear Algebra
MAT 2720 Discrete M
MAT 3750 Intro to Real Analys
MAT 4402 Modern Algebra ...
CSC 1212 Basic Programming


Approved electives to complete 50 credits. Recommended Approved electives to complete 50 credits. Recommended
electives: MAT 4403, MAT 4610, MAT 4904, MAT 4930, NMS 3120.

## SOCIAL SCIENC

Kathleen Braden, Geography, and Donald
Holsinger, History Department, Advisors
( $61-63$ credits required including minimum of 23 upperdivision)

SBS 3500 Lessons in the Social Sciences
Select one course from the following:
HIS 2502 The United States to 1876 (5)
HIS 3501 Colonial and Revolutionary America (5) ......
Non-American History (upper-division recommended) ....
Upper-division History elective
HIS 3600 History of the Pacific Northwe
Select one course from the following:
ECN 1100 Fundamentals of Economics (5)
ECN 2101 Principles of Microconomic (5)
ECN 2101 Principles of Microeconomic (5inces of Macroeconomics
GEO 2207 Economic Geography (5)
GEO 1110 World Regional Geography
POL 1120 American Government and Politi
SSY 1180 General Psychology ...
SOC 1110 Introduction to Sociology.
Select one course from the following:
ANT 2250 Cultural Anthropology (5)
ANT 3310 North American Indian Cultures (3)
ANT 3360 Indian Cultures of the Pacific Northwest (3)
ANT 4877 Urban Anthropolog
Cultural Pluralism (3) ......................
pper-division elective in either POL, PS
NT, GEO, or SOC

## Elementary Content and Skills Courses

 The student preparing for elementary teaching will complete, in addition to a major, elementary content and skills courses. These courses provide breadth in several academic areas ncluding reading, mathematics, language arts, social science, Shysical education, heath1, science, "and range or better in each course in the skills and content minor to be recommended for certification. Students should plan to use the courses to satisfy general education requirements in order to avoid the necessity of taking an excess of credits to satisfy graduation requirementses in the minor-elementary skills be completed prior to Phase II. History of the Pacific Northwest is required by someschool districts for teachers who teach history of the Pacific Northwest in the intermediate grades, junior high, and high school, t is not required by the State of Washington
certification. Required courses in these areas are:

ART 3546 Art Education
EDRD 4516 Chidren's Books (5) or
PE 2510 Elementary Health and P
PE 25 3500 Fundamentals of and PE ............................. 3-5
MUS 3500 Fundamentals of Music for Future Teache.......... 2
MUS 3502 Elementary Methods and Materials (3) or
ny college science course (3-5)
Any college science course (3-5)
*MAT 2530 Survey of Mathematics I
*MAT 2531 Survey of Mathematics II.
*EdRd 3529 Child Language Developmen
and the Reading Proces

*EdTc 4235 Intro to Educational Technology
*Must be taken prior to Phase II.
See course listings under appropriate school or department.

## SECONDARY

## Mark Pitts, Chair

Admission To Secondary Phase II Program Requirements for admission to the Secondary Phastr Progran for SPU students are as follows (Note: Students will be
contacted by Secondary Elacaion at the appropriate time
regarding items 6 and 7 )
Admission to the School of Education, recommendation of the Phase I team, and maintenance of eligibility and
good standing in the School of Education. If the Phase I experience is more than five years old there will be an additional requirement to update that experience.
2. Maintenance of the same GPA required for admission to Senior or graduate standing
4. Completion of at least 15 upper-division credits in the major with a grade of 3.0 or above in each course, or demonstration of a 3.0 cumulative GPA in all work in
the major
5. Written recommendations from two SPU professors in the major must be filed with the School or Education School of Education).
6. Completion of the Professional Year Information Packel
7. Participation in a Phase II Placement Interview with the Placement Director.

## Secondary Phase II Program

At the secondary level, Phase II is referred to as the Secondary Professional Year, which is three consecutive quarters

EDU 4240 General Methods: Teaching Secondary............ EDRD 4530 Topics in Secondary Educatiog

In addition, the appropriate teaching major methods couss must be taken prior to or during the professional year. Phase I is a prerequisite to this course. These courses are listed under
the secondary course listings.

Teaching major methods course
In the second and third quarters of the Secondary Professional Year students are placed in a classroom setting for the ntire credits. Any student wishing to register for less than 17 redits per quarter must receive approval in writing from the
nd Quarter
EDU 4945 Secondary School Internship A. $\qquad$ $\ldots . .17$
3rd Quarte
EDU 4446 Secondary School Internship B $\qquad$ ... 17

Physical education, art, foreign language, music, and special education majors seeking $\mathrm{K}-12$ certification shoul check with the undergraduate advisor in the School of Education for specific requirements.
At the time students apply for admission to the School of Secondary Professional Year.
As students are admitted to the School of Education
assignments are made for the quarter of EDU 4240, which begins the Secondary Professional Year, and for Phase II. While sudent preferences will be considered, class limits and quarters $f$ course offerings will influence assignments.
egin the Secondary Professional Year, it is expected tart the
udent will enter at that time. Requests for changes in the
uarter to begin the Secondary Professional Year will be andled on a space-available basis determined by EDU class nrollment limits.

## Majors for Secondary Teachers

Students wishing to prepare to teach at the secondary level should major in a content area from the list below. They should meet the requirements for bachelor's degree candidates as listed under the various disciplines. In addition, they should establish a3.0 cumulative GPA in all work in their major or complete at least 15 upper-division credits in the major with a
grade of 3.0 or above in each course. Academic work below " C " (2.0) will apply toward total credit requirements for graduation but may not be applied toward the teaching major.
Broad field majors in language arts and social science are available for candidates for secondary teaching. To be admitted oo these broad field majors students must meet the admission requirements of both the School of Education and the appropriate department in which the courses are offered. For
initial advising contact the School of Education undergraduate advisor. In these majors, 24 credits must be in one specified area.
The
The following are approved majors for secondary certification: biology, chemistry, English, family consumer sciences, history, language arts, mathematics, physics, social studies.
The following are approved maiors for K-12 certification:
art, French, German, music, physical education, Spanish,
special education.

## LANGUAGE ARTS

Luke Reinsma, Advisor, English Department Minimum of 75 credits required; minimum of 23 upper division)

Select one course from the following
COM 1101 Introduction to Interpersonal
Communication (3)
COM 1321 Speaking Before Groups (5)

COM 3322 Persuasion (5) ....
COM 3322 Persuasion (5) .....................................

0M 2227 Small Group Discussion and Leadership .......... 5 elect one course from the following:
TRE 1110 The Theater Experience (5)
TRE 2420 Theater and Drama: Tragedy (5)
Select one course from the following:
TRE 1930 Performance Practicum (2)
TRE 1931 Performance Practicum (2)
$\qquad$
$\qquad$
ENG 2225 Practical Criticism
ENG 2251 English Literature:
Veginnings through Milton.
ENG 2252 English Literature:
NG 2253 American Literatur .................................... 5
Select one course from the following
ENG 2205 Writing to be Read (3)
ENG 2215 Imaginative Writing (5)
ENG 3206 Technical Writing (3)
ENG 3305 Advanced Expository Writing (3) ............. 3-5
ENG 3334 American Ethnic Literature .............................
Select one course from the following.
ENG 3352 The Early Moderns (5)
ENG 3333 Contemporary American Fiction (5)............ 5 NG 4445 Shakespeare.
Select one course from the following:
JRN 2101 News and Informational Writing (3)
JRN 2102 Feature Journalism (3)
${ }^{\mathrm{RNN}} 2103$ Producing Publications $\qquad$
Select one course from the following:
JRN 3801 Newspaper Production (2)
IRN 3802 Newspaper Production (2)
RN 3803 Newspaper Production (2)
IN 2100 Foundations of Language Study $\qquad$
$\square$
Select one course from the following:
LIN 3300 Historical Linguistics (3)
LIN 4410 Transformational Syntax (3)
LIN 4601 History of English (3) .........
Total ..
Note: HUM 3287 and EdRd 4516 are recommended
Students choosing the language arts major must fulfill the second language proficiciency requirement. The requirement, second language proiciency requirement. Tee requirensity,-lvel
equal to the completion of the third quarter of a
course in the language selected, may be met by the study of any course in the language selected, may be met by the study of any modern or classical language.

## SOCIAL SCIENCE

Kathleen Braden, Geography, and Donald Holsinger, History Department, Advisors

SBS 3500 Lessons in the Social Sciences
HIS 2502 The United States to 1876 ...
HIS 2503 The United States Since 1876
HIS 3600 History of the Pacific Northwest
Select one of the following:
HIS 1202 Medieval Europe (5)
HIS 2452 History of the Modern Global System (5) HIS 3395 European Intellectual History: From Anselm to Marx (5)
HIS 3402 Reformation and Modern Christianity (5)
HIS 3710 Comparative Third World History (5) .......... 5

Select one of the following: ECN 1100 Fundamentals of Economics (5) EN 2101 Principles of Microeconomic (5) ECN 2102 Principles of Macroeconomics (5) Select one of the following EO 11110 World Regional Geography (5)
Select one of the following:
SBS 1677 The Nature of Cities (5)
SBS 1677 The Nature of Cities (5)
GEO 3707 Urban Geograpl
Select one of the following:
POL 1120 merican Government and Politics (5)
POL 1200 American Government and Politics (5)

Select one of the following:
PSY 3439 Motivation and Leadership (5)
PSY 3460 Child Developmental Psychology (5)
PSY 3460 Child Developmental P $P$ P
PSY 4415 Cognitive Learning (5)
PSY 4420 Adolescent Developmental Psychology (5)
PSY 4420 Adolescent Developmental Psychology (5) .. 5
Select one of the foilowing:
SOC 2870 Social Problems (5)
SOC 3252 Marriage and Fanily (5)
SOC 3862 Racial and Ethnic Minorities (5) .................
ANT 2250 Cultural Anthropolog
Select one of the following
ANT' 3310 North American Indian Cultures (3)
ANT 3360 Indian Cultures of the Pacific Northwest (3)
ANT 4877 Urban Anthropology
Cultural Pluralism (3) ....
Secondary Teaching Mino
Secondary Teaching Minor
Students who plan to teach at the secondary level are strongly encouraged to prepare in a second teaching area. This may be there are questions concerning the supporting endorsements, please see the undergraduate advisor in the School of Education.

## SPECIAL EDUCATION

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 plans for
ersons with disabilities. Required courses:
dSp 3107 Exceptionality in the Classroom...................... 3 EdRd 3529 Child Language Development
and the Reading Process ....................
EdSp 4642 Instructional Strategies for the
Exceptional Student.......

EdSp 4651 Special Education Assessment ..
EdSp 4655 Special Education Ass
EdSp 4652 Learning Disabililities
EdSp 4653 Teaching Reading to Exceptional Students...... 3 EdSp 4657 Behavior Management:
pplied Behavioral Analysis.........................................
EdSp 4658 Senior Seminar: Issu
4948 Secondary Special Education Internship.................. 10
Total ....................................... 45
Requirements leading to certification in special education atSPU:
Certification in special education (grades $k$-12) is
education major, a second academic area of emphasis,
and specialized certificate requirements.
2. For Phase I requirements for a K -12 special education certificate, see the previous School of Education Phas sections of this Catalog. Specific Phase II courses are required for the $\mathrm{K}-12$ special education certificate.
Phase II includes a required internship in education. Students will have opportunitities to gai competencies in curriculum planning with both elementary and secondary students.
3. Transfer students must complete a minimum of 15 upper-division credits in special education course work prior to the internship. In order for the School of Education to recommend a student for the $\mathrm{K}-12$ special
education certificate, the internship must be supervised education certiticate, the internship must be supervise

## Admission to the

## special Education Program

Students who are interested in the special education certification program are encouraged to indicate their intent upon their arrival a SPU. This indication is made with the School of the sudent to the program, but assures advising and continuthe student to the program, but assures advising and continuprogram requirements. For general requirements and admission policies, see the Phase I and Phase II sections in previous pages.
ADDITIONAL COURSES REOUIRED FOR K-1 special education oniv cirtitication

Elementary
MAT 2530 Survey of Math I $\qquad$
EDRD 3529 Child Language Development and
he Reading Process ............................................ 3

Electives: Minimum of two courses and 4-6 creditis. ART 3546 (3), EDSC 4234 (3), EDU 4233 (3), MUS 3500 (2), MUS 350 (3), PE 2510 (4), PE 2520 (3).

Phase II:
DDU 4230 Elementary General Methods:
LDeory into Practice........................
EDMA 4232 Mathematics Methods:
Elementary Emphasis...
EDSP 4943 Elementary
EDSP 4943 Elementary
Special Education Intern
EDSP 4944 Elementry
Spsecial Education Internship $\qquad$
Secondary
EDU 4240 General Methods for
Teaching in Secondary Schools ................................... 5
EDTC 4235 Intro to Educational 'Technology ....................... 2
Electives: Minimum of two courses and 4 -6 credits. EDMA 3357 (3), EDSC 3359 (3), EDU 3365 (3), EDU 4364 (3), EDU 3361 (3), FCS 4511 (3), Methods in Art, Music, or PE.
Phase II:
EDU 4948 Secondary Special Education Internship

All special education students must also complete 30 quarter credits in a second academic area.

## TATE INITIAL CERTIFICATION

he School of Education will recommend a candidate for the Initial
has:

1. Met the requirements of SPU for a B.A. or B.S. degree . Satisfactorily completed the professional education course sequence, internship requirements and majo certification.
. Completed requirements for an acceptable major according to state approved guidelines. Please consult the undergraduate education advisor for acceptable majors.
2. Completed the elementary content and skills minor (Elementary Certificate only.) See elementary content (required for students wishing certification on the elementary level).
3. Optional) Presented a teaching minor to broaden the student's teaching area (Secondary Certificate only). Please consult the undergraduate advisor.
2.0 in all education methods courses and at least a 3.0 in all laboratory experiences and internships. (and/or student teaching)
4. Been recommended by the School of Education according to professional standards and personal
5. Made a formal application for the certificate. Application forms are available in the School of Education. The fee required by the State of Washington is payable at the School of Education Office.

## Professional Education Courses


 language, cognitive processes that contribibute to language growth and
hhe implications of natural language development for early reading/ he implicictions of naturual language development for early reading Titing instruction. Class not open to. Freshmen.
ONTENT AREAS (2) Prerequisite: Completion of Phase Provides a functional approach to content-centered instruction hat will prepare preservice teachers to teach content, reading and writing skills simultaneously. Emphasis is placed on the pplication of skills that middle, junior and senior high schoo eaders must make to learn content from a variety of sources EDSC 4234 SCIENCE METHODS: ELEMENTARY EMPHASIS (3) Registration Approval: School of Education. Preerequisite: Phase chniques and materials using a discovery approast to teach some basic principles of science. Class not opent to: Freshmen and Sophomores.
EDTC 3010 INIRODUCTION TO HYPRRSTUDIO (1) Hyerequistute: Experienence with Macintintosh. Teacheses basicic skills in between cards, apply approppriate stack planning procedures and use EDTC 3011 ITNTRODUCTION TO HYPERCARD (1) Preeequisite: Experience with Macintosh. Teaches basic skills in
 etwen cards, apply appropriate stack planning procediures, and use DTC 3154 BASIC MACINTOSH GRAPHICS (1) Prerequisite xperience with Macintosh. Covers basic graphic commands and techniques, aesthetic/layout principles and producing computer

EDTC 4235 INTRODUCTION TO EDUCATIONAL TECHNOL OGY (2) Prorequisitit: Phase II Instruction on processes and procedures for using media and computers in school settings. Includes multimedia applications; and courseware evaluation. class not open to: Freshmen.
EDU
3103 F
EDION AND FOUNDATIONS OF EDUCATIONAL INSTRUC School of Education. Prerequisite: See Phase I program pperequisite. Presents an in introduction to current theory and practice in effective Instruction. Examines factors which affect studdent learning, experiences which develop skills in making instructional decisions. Explores the social, historical. legal and philisosohtical foundations of
ediucation. Includes an overview of the organization of the American school system and its values. Corequisites: EDSP 3107 , EDU 3104 , EDU 105. Class not open to: Freshimen.
 TION (2) Registration Approval: School of Education. Prerequisite ackground and theoretical constructs of multicultural education. xaminest the nature of the diverse society in which we live, and the mplications for education. The nature of bias is discussed, and techniques are presented which foster positive expectations for all
students. Corequisites: EDSP 3107, EDU 3103, EDU 3105. Class not
open to: Freshmen. pproval: School of Education. Prerequisite: See Phase I program chool with diverse poppulations. Integyation of learning and experience will be gained through observing and working with
students in various classrom settings. Corequisites: EDSP 3107 , EDU 103, EDU 3104. Class not open to: Freshmen. du 3106 Laboratory experience (3) Registration Approval: Instructor, Gives students an opportunity to have an ot open to: Freshmen.
4240 general methods for teaching in ECONDARY SCHOOLS (5) Registration Approval: School of ducation. Prerequisites: Completion of Phase I, admission to the Cassroom management and related topics designed to enhance and to e applied in a practice classroom setting. Class not open to. eshmen and Sophomores.
yistration Aproval Schocondary Education (2) Registration Approval: School of Education. Prequisite: Complete lassroom, including student evaluation, reading and study skills and

## Phase II Elementary Teaching

drd 4231 reading and language arts methods (3) Registration Approval: Phase II elem. team leader. Prerequisite
EDRD 3529 and LIN 2100. Incorporates a variety of instructional SDR
strategeses formats and and media to p present the use and analysis of
and trategies, formats and media to present the use and analysis of assessing processes of reading, writing and oral language in the lementary classroom Corequisites: EDU 4230, EDMA 4232, EDU 233, EDD
DMiors. 4232 MATHEMATICS METHODS: ELEMENTARY EMPHASIS (3) Registration Approval: Phase II elem. team leader xplores contemporary miehods and trends in the teaching of mathematis in elementary school emphasizing learning tueories, and pedagogy. Corequisites: EDU 4230, EDRD 4231, EDU 4233, EDU 941. Class Not Open to: Freshman, Sophomores and Juniors.
 Eader. Presents general factors that affect learning in the elementary Classroom; development of teacher-pupil relationships, lesson planning, behavior guidance, evaluation and communication with
parents. Corequisites: EDU 4233, EDU 4941, EDRD 4231, EDMA 4232 Class Not Open to: Freshman, Sophomores and Juniors.
diu 4233 SOCLAL Studies methods: blementary位 xplores inter-disciplinary approach for teaching elementary school classfoom. Corequisites: EDU 42330 , EDRD 4231 , EDMA 4232 , EDU 4941. Class Not Open to: Fresman, Sophomores and Junions. school (1-16) Registration Approval: Phase II elem. team leader. Prerequisites: See Phase II Elementary Program prerequisistes. Provides opportunity of observation and daily teaching for one quarter credits. Class Not Open to: Freshmen, Sophomores, and Juniors. EDU 4941 ELEMENTARR SCHOOL INTERNSHIP A (1-17) Registration Approval: Phase II elem. team leader:
Prerequisites: See Phase II Elementary Program prerequistes. (First quarter) Provides opportunity for observation and daily teaching in tementary schools under the direction of a cooperating teacher. Extra fee. May be repeated for credit 4p to 17 credits. Corequisistes: Freshmen, Sophomores and Juniors.
FRest 49n, Sophomores and ELEMENTIOTS SCHOOL INTERNSHIP
 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 17 credits. Class Not Open to: EDU 4943 ELEMENTARY INTERNSHIP (MUSIC) (1-17) Registration Approval: Phase II elem. team leader. Prerequiuisises Same as for EDD 4944 . Provides opportunity for
observation and daily teaching of music in the elementry school 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 17 credits. Corequisite: EDU 4230 . Class Not Open to: Freshmen, Sophomores and Juniors. EDU 4944 RLEMENTARY INTERNSHPP (Art) (1-17) Registration Approval: Phase II elem. Eeam leader. Prerequisites: See
Phase II Elementary. Program preequuisies. Provides opportunity for Phase II Elementary Program prerequisisies. Provides opportunity for
observation and daliy teaching of art in the elementary school under
the direction of a coperating teacher Evtra the direction of a cooperating teacher. Extra fee. May be repeated for
credit up to 17 credits. Corequisite: EDU 4230. Class Not Open to: credit up to 17 credits. Corequisiste: EDU 4230. Class Jot Open to
Freshmen, Sophomores and Juniors. EDU 4948 ELLMENTARY INTERNSHIP PHYSICAL EDUCA TION (1-17) Registration Approval: Phase II elem. team leader. Prerequisites: See Phase II Elementary Program prerequisites.
Provides opportunity for obseivation and daily teaching of PE in the Provides opportunity for obserivation and daily teaching of PE in the
elementary school under the direction of a cooperating teacher. Corequisite: EDU 4230. Extra fee. May be repeateded for credititup to 17 credits. Class Not Open to: Freshmen, Sophomores and Juniors.
EDSP 4943 ELEMENTARY SPECILL EDUCATION INTERNSHIP A (1-17) Registration Approval: Phase II elem. team leader.

 elementary schools under the direction of a cooperating teacher. E
fee. May be tepeated for redit ip to 17 credis. Class Not Open to: Freshmen, Sophomores and Juniors.
 SHIP B (1-17) Registration Approval: Phase II elem. team leader.
Prerequistes. Same as for EDU 4441. Second quarter of a two cuarer internship. Observation and daily teaching in special education in the elementary schools under the direction of a copperating teacher. Extr
fee. May e erepated for credit 1 to 17 cedit. fee. May be repeated for credit up to 17 credits. Class Not Open to

Secondary Major Methods Courses eddma 3357 Teaching SECONDARY mathematics (3) Prerequisisie: Completed Phase I. Overviews content methods and
strategies appropriate to the teaching of secondary school mathematstrategies appropriate to the teaching of secondary school mathemat-
ics. Attention is given to the NCTM Agenda for Action and emphasis is ics. Atco
placed on problem solving Recomnended prior to or current with placed on problem solving. Recommended prior to or current with

OSC 3359 TEACHING SECONDARY SCIENCE (3) egistration Approval: Instructor. Prerequyisite: Completed Phase I. ience discipinines to the practical problems of planning and mplementing learning experiences for secondary students. The nhphasis is on the use of inquiry/problem solving approaches to du 3356 TEACHING SPEECH COMMUNICATION (3) resents teaching methods and problems of the speech classroom and ruriculum; explores hin shmen and Sophomor
du 3358 ART EDUCATION - SECONDARY (3) Studies the caching of art in the secondary school with investigation of several purriculum. Studio periods will be combined with lectures and dscussions. Courre Equivalent: ART 3547. Class not open to: DUE 3361 SECONDARY
d 3361 SECONDARY ENGLSH METHODS (3) Prerequistte: Completed Phase I. Explorers seaching and planning metho parious learning styles, literary works and writing activties, the mphasis is on creating and sharing ideas and projects. prevequisite: Completed Phase I. Examines recent trends, practices nd educational objectives of social studies programs in second ducation. Attention will be given to planning, teaching and Mutun in social sclence couse
EACHING (3) An overview of the theoretical paradigms of secon anguage learning and teaching; definition and evaluation of seon conmunicative competence: strategiegs for teaching skills of listening
speaking, reading and writing selection and development of
instructional materials, includuing new technology. offered as nstuctional materials, including new technology. Offered as

Phase II Secondary Internships EDSP 4948 SECONDARY SPECLAL EDUCATION INTERNIIP C (1-17) Registration Approval: Instructor. Preerequisites: EIU 240. Three quarter internship (2in special ed; 1 in regular ed). ducation sections in the public schools under the direction of a ster teacher. Extra fee. May be repeated for credit up to 17 credits. DSP 4949 SECONDARY SPECIAL EDUCATION INTER HIIP (1-17) Registration Approval: Instructor. Prerequisites: See secondary Phase II preeequisites. Extra fee. May be repeated for cred p to
uniors.
und
cre
DU 4945 SECONDARY INTERNSHIP A (1-17) Registration
pproval: Instructor: Prerequisite: EDU 4240 , first quarter of hterrnship. Provides opportunity for observation and daily teaching in eacher: Extra fee, May be repeated for credit up to 17 credits. Class no pen to: Freshmen, Sophomores and Juniois.
DU 4946 SECODDARY INTERNSHITP B (1-17) Registration vo-quarter intercraship. Provides opportunity for observation and dal Eaching in public or approved private schools under the direction of aster teacher. Extrat fee. May be repeated for creditit up to 17 credit lass not open to: Freshmen, Sophomores and juniors. pproval: Instructor. Prerequisite: EDD 4240. Provides opportunity for sservation and daily teaching in public or approved private schools credit tup to 17 credits. Class not open to: Freshmen, Sophomores and

Special Education Courses
egisp 3107 EXCEPTIONALITY IN THE CLASSROOM (3) program prerequisites, Examines the concept of difference, including

Influences of exceptionality on social and psychological roles. Present Corequisites: EDU 3103, EDU 3104, EDU 3105. Class not open to: Freshmen.
EDSP 4642 individual education programs (3) Prerequisite: EDSP 3107 . Classioom presentation centers around the
interaction of the disabled child with the school Topics indude: federal and state regulations for the education of the disabled; procedures for referral, diagnosis and placement; formation of Individual educaion proglanss, sercce models, task analysis and objectives; selection of instructional materials and methodology; and classroom organization. (Pre-service emphasis.) Class not open to: Freshmen and Sophomores.
EDSP 4645 PSYCHOLO
hology of the gifted individual (3) Prerequisiste: EDSP 3107 . Introduces identification of gitted and
creative individuals and development of educational programs and resources for the gifted. Class not open to forceational programs and EDSP 4646 SEVERE DISABLLITIIES (3) Prerequisite: EIS
3107. Explores the issues surrounding the education of the derelopmentally disabled personn. Includes definitions and classification systems, etiology, theoretical approaches, strategies for
educational
diagnosis and intervention, family problems and other EDSP 4648 TEACHING STUDENTS WITH EMOTIONAL AND BEHAVIOR DISORDERS (3) Prerequisite: EDSP 3107. Provides special educators with knowiedge related to characteristics and emotional disturbance. Class not open to: Freshmen and Sophomores. EDSP 4651 SPECLIL EDUCATION ASSESSMENT (3) Prerequiste: EDSP 3107 . Teaches diagnostic and evaluative procedures commonly used with exceptional children. Includes assessment; use and interperetation of formal and informal tests, and procedures and related ethicics procedures, and related issules. Class not open to: Freshmen and Sophomores.
EDSP 4652 DISABIIIIIES OF LEARNING AND ATTENIION (3) Prerequisite: EDSP 3107. Studies the characteristics and special problems associated with learning disabilitites. Includedes definititons and characterisitics, theorerical approaches and attention dificict disorder, learning disabilitites and attention disorders. Atrribute: Writing Course. Class not open to: Freshmen and Sophomores.
EDSP 4653 TEACHING READING TO EX
EDSP 4653 TEACHING READING TO EXCEPTIONAL permission of instructor. Focuses on diagnosis of reading streng and weaknesses; of correlates of reading problems; and andyysis and selection of methods and materials for reading instruction of special needs children, including children who speak English as their second Sophomores.
EDSP 4657 BEHAVIOR MANAGEMENT (3) Prerequisite: EDSP 310a. Focuses on an in-depth explanation of classroom management children and youth. Class not open to: Freshmen and Sophomores. EDSP 4658 ISSUES IN SPECIL EDUCATION ( 3 ) Prerequsite: EDSP 3107 . 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 interns only. Atribute: Writing

Undergraduate Elective Courses EDRD 4516 CHILDRENS BOOKS: READING FOR ALL AGES richness of literature availlable for children and young adults; resents major genres and notable authors and illustratorss and develops Lse. Class not open to: Freshmen. (3) Introduces sclence teaching strategies and (hypothesiziing, designing experiments, ect.) using class activities
from modern elementary science curricula.

EDSC 4566 ENVIRONMENTAL EDUCATION FOR ELLEMENoutdoor activities, classroom activities, field trips, regional environmental resources, readings, teaching strategies, discussions. (Offered summers only.) Course Equivalent: NMS 4525.
EDSP 4900 INDEPENDENT STUD ( 1 .
EDDPP 4900 INDEPENDENT STUDY ( $1-5$ ) Registration May be repeated for creditid up to to credits. Prerequisite: HRS 3220. Provides opportunities to observe and Prerequisite: HES 3222 . Provides opportunities 5 o observe and
particiciate with chilldren in a nursery school or kindergarten and to observe the role of the teacher as a particicpant. Implementation and
 children in pre-school, day-c-ara centers, and kindergatten. (offered
summeis only.) Class not open to Freshmen. summers only.) Class not open to: Freshmen.
EDU 4900 INDEPENDENT STUDY ( $1-5$ ) Independent Study Agreement. Open to (chool of Education majors. May be repeated for creedit up to 5 credits.

## ENGINEERING

## Edward J. Bauman, Director; Kevin Bolding

 James Crichton, Robert Hughson, Hugh Nutley, Donald Peter, Melani Shoemaker An engineer applies the principles of science and mathematics people want or need. Today, as civilization becomes more complex, the engineer must have a deeper understanding of 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 but also provides the liberal arts enrichment which makes the engineer better able to communicate his or her ideas to other segments of our society.
## Majors

SPU offers B.S. degrees in Electrical Engineering (BSEE) and Engineering and Applied Science (BSEAS). The BSEE degree is ccredited by the Engineering Accreditation Commission of the The BSEAS degree offers emphases in bio-engineering, ngineering chemistry, computer engineering, environmental gineering, engineering mathematics and engineering engineee
physics.
To off
hhysics.
To offer the advantages of combined Christian liberal arts and other engineering majors, SPU has formal arrangements with several universities, including Columbia University, NY and the University of Southern California. For example, if a student is interested in civil or mechanical engineering, he/sh can obtain a B.S. from SPU and a B.S. from the other residence at SPU, during which time the student satisfies most equirements for a B.S. degree by taking the core Christian oundations, liberal arts and prescribed courses in chemistry, physics, mathematics and engineering. He/she may then qualify for transfer to the participating university. At that university, the student would spend two years in civil or Similar arrangements are possible at other universities including the University of Washington and those in the Christian College Coalition. Details of this $3 / 2$ transfer program are availabie from the 1 . sion of Natural Sciences and Engineering (206) 281-2140
SPU engineering seniors are urged to take the Washington ate Department of Licensing examination for engineer-in-

Evening BSEE and Computer Engineering Program
In addition to the day courses, evening courses in electrical engineering make a BSEE degree available for students who work full-time during the day. Contact the Electrical
Engineering Department at (206) $281-2011$ for more
information. Also, most of the computer engineering emphasis of the Engineering and Applied Science degree may be completed by taking evening courses.

## Intern Program

All engineering majors are required to do an internship with ndusty. Nomaly nis incership is acconprs.

Expectations of Entering Students
In addition to meeting all the general SPU admission
In addition to meeting all the general SPU admission
requirements, the high school graduate entering the engineerrequirements, the high school graduate entering the engineeryears of mathematics and one year of physics or chemistry. Those students entering with deficiencies should consult an engineering advisor for a program of preparation for the regular engineering curriculum.

## Admission to the Major

Student performance during the freshman year will be used as an indicator of the student's promise of success in engineering. Application for admission to the major may be made one quarter before starting the sophomore year (typically by June 1). The engineering admissions committee will review these normally not granted admission to the maior. Transfer students (sophomores and beyond) may apply after one ful. quarter of classwork in the SPU engineering program. Students must be admitted to the major prior to taking senior (4000 level) courses

Humanities and Social Science Requirement To satisfy ABET accreditation guidelines, all engineering sudents must take at least 24 credits of philosophy, religion, history, literaturre, fine arts, sociology, psychology, political science, or foreign languages other than a student's native
language(s). These courses satisfy a general humanities an language(s). These courses satisfy a general humanities and social science accreditation requirement. Students who take the full SPU foundations and general education program more carefully select their courses to insure they fulfill the 24 credit humanities and social science requirement both in breadth and depth. They must see an advisor to insure this requirement is met.

## Requirements for the

## Electrical Engineering (EE) Majo

The following course work is required of all students majoring in electrical engineering:

*BIO 1100 or BIO 1102 may be substituted for CHM 1212 in order to satisfy the biological sciences general education requirement.
CSC 1230 Problem Solving and Programming........... 5 CSC 2430 Data Structures and Programming.............. 5 CSC 3350 Systems Programming or
EGR 2891 Statics.........................................
EGR 1401 Introduction to Engineerin
EGR 4740 Internship Prepararation
EGR 4940 Engineering In
Electrical Engineering

$$
\begin{aligned}
& \text { ilectrical Engineering } \\
& \text { EE } 1210 \text { Introduction to }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ectrical cingmeering } \\
& \text { EE } 1210 \text { Introduction to Logic System Design : }
\end{aligned}
$$

$$
\begin{aligned}
& \text { EE } 1210 \text { Introduction to Logic System Des } \\
& \text { EE } 2726,727 \text { Electric Ciricuitit I, II ........ }
\end{aligned}
$$

$$
\begin{aligned}
& \text { EE } 2726,2727 \text { Electric Circuits I, II ................................. } \\
& \text { EE } 3270 \text { Microprocessor Based Corpputer Design .... }
\end{aligned}
$$

$$
\begin{aligned}
& \text { EE E 2410 Microprocessor Based Conpputer Desig } \\
& \text { EE } 340 \text { Signal and System Analysis ............ }
\end{aligned}
$$

$$
\begin{aligned}
& \text { EE } 3410 \text { Signaland System Analysii } \\
& \text { EE } 3710 \text { Electromagnetics I.......... }
\end{aligned}
$$

$$
\text { EE } 3711 \text { Electromagnetics II }
$$

EE 3721,3722 Electronics I, II
EE 3730 Electronic Circuit IDesign...
EE 3760 Computer Organization and
Assembly Language.........................$~$
EE 2211, 4212,4213 Microprocessor
System Design I, II, III .......................................... 12
EE 4411 Control System Simula............................... 12 EE 4412 Digital Control and Filtering.
EE 4501 Introduction to Communication Systems............ 3 Total. Completion of this curricul.................................... 143 ducation required for the BS dequee takes four rears (Note Electrical Engineering students are not required to fulfill the oreign language general education communication require ment.)
Suggested Course Sequence For Electrical Engineering During Freshman Year: Autumn


## inter

$\qquad$
MAT 1226 Calculus...
Cen Ed/Foundations.

## Spring

$$
\begin{aligned}
& \text { Spring } \\
& \text { MAT } 1228 \text { Diff. Equations ..................... } \\
& \text { CSC } 1230 \text { Prob Solv and Programming. }
\end{aligned}
$$

Gen Ed/Foundations ..................................................
Details of the sophomore through senior course scheduling are the Electrical Engineering Student Handbook. The internship ummer between the junior and sinior year. during th

## Requirements for the Engineering and

 Applied Science (EAS) MajorThe engineering and applied science major offers a unique program that combines a basic engineering foundation with an applied science. One important feature of this program is to prepare graduates to apply imbedded microprocessor compute ystems to solve problems in their chosen field majoring in engineering and applied science:

CORE REQUIREMENTS
athematic
MAT 1225, 1226 Calculus.................................... 10

Science
CHM 1211 General Chemistry ................................. 5
PHY 1121, 1122,1123 Physics for
PHY 1121, 1122,1123 Phy
Science and Engineering.

CSC 1230 Problem Solving and Programming.
CSC 2430 Data Structures and Programming............ 5


GR 4613 Engineering and Applied Science


EE 1210 Introduction to Logic System Design ................
2726, 2727 Electric Circuits I, II ..........................
EE 3270 Microprocessor Based Computer Design .........
Ee 3721,3722 Computectronics I, II ...........
EE 3760 Computer Organization and
Assembly Language
EE $4211,4212,4213$ Microproce...............
Assembly Language .................................................

ECN 1100 (5) Fundamentals of Economics is a recommended general education course.
emphases must be satisfied by completing the milimin

## coursework listed:

## Bio-Engineering


Total .......................
Engineering Chemistry
CHM 1212, 1213, General Chemistry $\qquad$
CHM 3371, 3372, Organic Chemistry ............................. 10
CHM 3402 Physical Chemistry.
CHM 3460 Physical Chemistry Lab
EGR 2391 Introduction to Material Science
EGR 3226 Quantitative and Instrumental Analysis
EGR 3401 Thermodynamics
MAT
Total
Compu
..... .3
Computer Engine...........................
CSC 3350 Systems Programming ......................... 2
CSC xxxx upper-division computer science courses .. 20

MAT 4725 Numerical Analysis .....................................
MAT 2375 Probability....................................
BIO xxx General Education biology course
Total.
Environment........
BIO 1111, 1112 General Biology ..............................

CHM 1212, 1213 General Chemistry....................... 1
EGR 3226 Quantitative and Instrumental Analysis....


Engineering Mathematics
MAT 2375 Probability
MAT 2375 Probability....
ssis ......................................................

EGR 2391 Introduction to Material Science.................... Thermodynamics
EGR 3841 Dynamics ............................................

Engineering Physics
PHY 2321 Intermediate Physics ......
PHY 3312,3313 Advanced Physics Lab
PHY 3312, 3313 Advanced Phy
PHY 3401 Thermodynamics ..
PHY 3401 Thermodynamis
EGR 2391 Introduction to Material Science............
EE 3710, 3711 Electromagnetics I, II
MAT 2228 Multivariable Calc

Engineering Transfer Program Curriculum
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. The following mathematics, science and engineering courses are recommended for those students: Mathematics

MAT' 1225, 1226 Calculus.................................. 10
MAT 1228 Series and Differential
MAT 2375 Probability
MAT 2401 Linear Algebra
Total ...
Science
CHM cience 1211,1212 , General Chemistry
CHM 1211, 1212, General Chemistry .....
PHY 1121,1122, 1123 Physics for Scienc
and Engineering .............................
and Engineering.
$\ldots . .10$
Total .......................
.
Engineering Science
CSC 1230 Problem Solving and Programming............ 5 CSC 2430 Data Structures and Programming... EE 2726, 2727 Circuits I, II
EGR 2391 Material Scienc
EGR 2891 Statics..
GR 3401 Thermodynamics
EGR 3841 Dynamics.
ELECTRICAL ENGINEERING

## Courses

1210 INTRODUCTION TO LOGIC SYSTEM DESIGN (4) gorithmic state machine, Boolean functions and gates, lip flops, counters, MSI and LSL IIrcuils, clocks and signals, asynchrono
E 2726 ELECTRIC CIRCC
EE 2726 ELECTRIC CIRCUITS I (4) Prerequistes: MAT 1228. and loop analysis using matrix methods, powerer transfer, Theveniin' and Norton's 'Theorems, superposition, introduction to operational amplifiers, inductance, capacitance, first--rder and second-order and MATIAB computer software.

EE 2727 ELECTRIC CIRCUITS II (4) Preequisite: EE 2726. antroduction to state variable analysis. Alternating current theory and analysis, power, frequency response, resonance and polo-zero conceptst. Introduction to Laplace transforms applied to network analysis. Transformers and two-port network concepts. Includes la EE 3270 MICROPROCESSOR BASED COMPUTER DESIGN
(3) Preequisites: EE 1210,3760 or CSC 3760 . Study of a single board (3) Prerequisites: EE 1210, , 3760 or CSC 3760 . Study of a single
computer incorporating a current microprocessor Memory computer incorporating a a current micropprocessor. Mermory handling and serial interface protocols. High level language (typically C) programming of the subject microprocessor. Laboratory hardware and software exercis EE 3410 SIGNALAND ANDSTEM ANAIISIS (4) Prerequisites: EE 2727, MAT 1228, 2401, Faniliarity with MATIAAB compterer
software. Prerequisite or concurrent: MAT 3724. Characterization of sotware. Prerequisite or concurrent: MAI 3 34, Characterization of
linear systems by impulse response convolution, transfer function.
Linear differential equations and linear difference equations as Lineard differential equations and linear difference equations as mFt, Laplace transforms and $Z$ transforms. Includes computer problems. Course Equivalent: EGT 3410 .
EE 3710 ELLCTROMANETTICS I (3) Prerequisites: EE 2727, PHY 1123. MAT 3724 is prerequisite or concurrent. Study of electrostatic and magnetostaticic fields and boundary conditions. Includes computer and laboratory experiments.
EE 371 ELECTROMAGETICS II (4) Pr
SE 3711 ELECTROMAGNETICS II (4) Prerequisite: EE Maxvell's equations and electromagnetic waves Emphasize Study of Maxvell's equations and electromagnetic caves. Emphasizes waveguides, optics and antennas. Includes a weekly laboratory
EE 3721 ELECTRONICS I ANAIOG DEVICES AND
EE 3721 ELECTRONICS I - ANALOG DEVICES AND
CIRCUITS (5) Prerequiste: EE 2727 Electronic devices and
circuit contif (5urations. Tropicics covered indluctuo operational and amplifiers,
cise circuit conigurations. Topics covered incluce operational amppitieres,
diodes, bipolar junction transistors, field effect transistors, differential
amplifiers amplifiers. Includes lab problems. Prerequisite: EE 3721 . Frequency response, feedback, output stage and power amplifiers, analog integrated circuits, filtess, tuned
ampifier,
problems. peobems. 3730 RLECTRONIC CIRCUTT DESIGN (5) Prerequisite: EE 3722. Digital circuit theory. Analog and digital electronic circuit design, development, construction and testing sith oraral and written
reports. Team design and construction of industrial proiects Atribute repprts. Team design and construction of industrial projects. Attr
Writng Cousse
EE $\mathbf{3 7 6 0}$ COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE (5) Prerequisite: CSC 2430; MAT 1720 is recommen Organizzation and structuring of the major hardware and software
components of computers. Mechanics of information transfer and confrol within a digital computer system. Networks and communic control within a diettal Computer system. Networks and communicalanguage programming, Course Equivalent: CSC 3760 . Prerequisitit: EE 2726, 3270. Digital design and fabrication techniques. CAD DCB design software. Special topicis in design for testabibility, design for manautacturability, and various electronic and
evvironmental standard are emhasized Sudents begin system level environmental standards are emphasized. Students begin system level design of a company sponsored project. Preliminary Pesign Review
(PRR) and time line are required. Project teams and verbal progress reports. Course Equivalent: EE 4102. EE 4212 MICROPROCESSOR SYSTEM DESIGN II (4)
 teams continue detailed design, layout of prototype PCB and software modules for EE 4211 proje

ER 4213 MICROPROCESSOR STSTEM DESIGN III (4) prototype. Teest protocol operation manual and a detailed technici nanual developed and documented. Develop a manufacturing Wreelly yrogress reports and team final reports (both written and orali). A4tribute: Writing Course
be 4411 CONTROL SYSTEM SIMULATION AND DESIGN (4) rereequisites: CSC 1230 and EE 3410. Study, modelling and computer simulation of electromechanical components and systems. Transsfer lunction representation of linear control systems. Systems analysis ogic control system design. Laboratory and computer problems. Class open to: Electrical Engineering majors.
EE 4412 DIGITAL CONTROL AND FLITRING (4)
Prerequisisite: EE 4411 . Analysis and design of digital control systems and digital filters. Z-transforms, discretet equivalents of continuous
ranasfer functions, discrete filters, and design of realtime digital
 indutues 1 aboratarory design using microcontrollers. Class open to: Electrical Engineering majors.
EE 4501 INTRODUCTION
(3) Prerequisites: EE 3410 and MAT 1360 or 2375 Intron SYSTEMS principites of modern communication systems. Pulse amplitude and pullse code modulatioion are covered. Digitial techninques of delta modulation and time division multiplexing are presented. The basics noise effects, filtering, threshold effects and phase-locked loops. Common carrier, fiser optic, satellitit and televisision systems are Electrical Engininering majors, EE 4950 TOPICS IN ELLECTRICAL ENGINEERING (3)
Registration Approval: Instructor. An advanced course studying Registration Approval: Instructor. An advanced course studying a
special interest topic in inectrical engineering. Topice and credits may , Elerings. May and Sophomores

## ENGINEERING Courses

ger 1401 INTRODUCTION TO ENGINEERING (1) For
freshmen enginering students. Introduction to engineering problem solving and data collection using computeren programs. Includes small
tean projects to learn tundamentals of electrical and mechanical hardware. Survey paper on technology. Company tour. GR 2391 INTRODUCTION TO MATERIALS SCIENCE (5) princiciples os selection and use of engineering materials; studies
structure of sold structure of solid phases, atomic processes in solids, electrical EGR 2891 ST TTICS ( 4) Prerequisite: PHY 1121 Studies EGR 2891 STATICS (4) Prerequisiste: PHY 1121. Studies Interral forces on beams and cabless friction, concenter of gravity, area
moments of inertia, and virtual work. EGG 3226 QUANTITATIVE AND INSTRUMENTAL ANALYSIS (5) Prerequisite: CHM 1213 . Laboratory oriented course, dealing with the theory and practice of quantitative analytical chemistry with emphasis on instrumental techniquues. Instrumental analysis will include a variety of separation, spectroscopic and electrochemical
methods, includes engineering and clinical applications. Useful for engineering majors, medical technologisist, pre-medical and pro dental students, physical and biological science majors. Course Equivalent: CHM 3226
PHY 1103 or PHY 1123 and Studies equilibrium and non-equilibriurum propeprities of gasess, liquirds, and solids from thermodynamic processes. Includes elements of statistic
3401.

GR 3841 DYNAMICS (5) Prerequisites: MAT 1228, MAT 2401 ndamped and damped linear, rotational, and vibrational motion in veral coordinate systems. Incudes solving problems for particles and onservation laws. EGR 3871 TRANSPORT PROCESSES I (5) Prerequisites: MAT nizd dyanamics. Emphasis is on the control volume approach, coverin he transport of mass, energy, momentum and angular momentum, with engineering applications. Offered alternate years. GR 3872 TRANSPORT PROCESSES II (5) Prerequisites: EG ngineering applications. offered on demand. GR 4611 ENGINEERING AND APPLIED SCIENCE SYSTEM ESIGN I (5) Registration Approval: Instructor, The first of a three uarter interdisciplinary design project specified by and carried out for scientific fields, e.g, biological, chemical, environmental and/or physical, by application of microcomputer system engineering or lated technology. Written reports are required. Teanwwork and years. SEIGNII (5) Prerequisite: EGR 4611. The second of a three sign project spd to sd by and carried out for dientific fields, e.g., biological, chemical, environmental and/or dysicial, by application of microcomputer system engineering or operation are stressed between the disciplines. Offered alternate ears. Attribute: Writing Course.
GR 4613 ENGINEERING AND APPLIED SCIENCE SYSTEMS hree quarter interdisciplininary design project specified by and carrie utf for industry. Uses engineering design method to solve a problem the scientificic fields, e.g., biological, chemical, environmentalal and or physical, by application of microcomputer system engineering or
related technology. Teamwork and cooperation are stressed between the disciplines. A major written report is required by each team member. Offered alternate years. Attribute: Writing Course. EGR 4740 INTERNSHP PREPARATION (1) Registration gineering Intership. Includes resume prepartion rerat writing nd oral presentation. A research paper is required. Atribuute: Writing GRR 4900 INDEPENDENT STUDY IN ENGINEERING (1-5) Registration Approval: Independent Study Agreement. Independent pic for which related upper-division courses have been completed. May be repeated for credit up to 5 credits.
EGR $\mathbf{4 9 1 0}$ WASHINGTON STATE EIT PREPARATION (1) Registration Approval: Engineering Faculty, Seminar review of principles and problem solving in math, chemistry, physics, electrica gineering, engineering science, and engineering economics in th proportions these topics are covered in the Washington State EIT test.
EGR 4930 ENGINEERING APPLICATIONS IN INDUSTRY (30) Registration Approval: Engineering Faculty. Provides predranged coordinated field experience in engineering employment in udent and evaluates the learning experience. May be repeated for redit up to 10 credits.
EGR 4940 ENGINERRING INTERNSHIP (1-5) Registration sproval: Instructor. Preregquisites: EGR 4740. Internship $P$ is normall cordinated between the intern's faculty advisor and an engine he host company. The jobs are intended to be a professional learning xperience for the student. Internship II is a company sponsored dive the student experience in the real world engineering process. An Sral presentation and a a witten report tare required. May be repeated
for creditup or credit up to 5 credits. Atribute: Writing Course

## ENGLISH

British Literature
Select two courses from the following
ENG 3346 Literature of the English Renaissance (5)
ENG 3347 18th-Century Poetry and Prose (5)
ENG 3348 Romantic Poetry and Prose (5)
ENG 3351 Victorian Fiction (5)
ENG 3352 Early Moderns (5)
ENG 4447 Chaucer (5)
ENG 4448 Milton (5)

## American Literature

Select two courses from the following:
ENG 3235 Literature of the American Renaissance (5)
ENG 3334 American Ethnic Literature (5)
ENG 3333 The Age of Realism (5)
ENG 3338 Contemporary American Fiction (5)
ENG 4425 Modern Poetry (5)
World Literature
Select one course from the following:
CLAA 3014 Survey of Ancient Greek Literature (5)
CIA 3204 Survey of Classical Latin Literature (5)
ENG 3248 Non-Western Literature (5)
ENG 3380 African Literature (5)
ENG 3381 Asian Literature (5)
EUR 3247 Classics of Eastern European Literature (5) FRE 3205 Topics in French Literature (5)
GER 3206 Topics in German Literature (5)
SPN 4401 Topics in Spanish Literature (5)
SPN 4501 Topics in Latin American Literature (5) ..... 5
Electives
Any additional course(s) in British, American, or World Literature listed above, and/or:
EDRD 416 Children's Books (5)
ENG 2215 Imaginative Writing (5)
ENG 3206 Technical Writing (3)
ENG 3207 Business Writing (3)
ENG 3234 Literature by Women (5)
ENG 3305 Advanced Expository Writing (3)
ENG 3316 Workshop in Writing Poetry (3)
ENG 3317 Workshop in Writing Fiction (3)
ENG 3317 Workshop in Writing Fiction
ENG 4601 History of English (3)
ENG 4685 History of Literary Theory
JRN 2101 News and Informational Writing (3)
JRN 2102 Feature Journalism (3)


## Foreign Language Requirement

In addition, all students who complete the English major must be proficient in a foreign language. Proficiency is established 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 majors complete at least two years of study of either a contemporary or ancient foreign language.

Requirements for the Literature Mino (minimum of 30 credits; minimum 15 credits upper-division) ENG 2251 English Literature.

ENG 2252 English Literature
Restoration through Victorian ................................ 5
ENG 3246 World Literature
ENG 4445 Shakespeare
Any upper-division elective from Americ.i.an,
British, World, or Elective categories.
 endorsement on a teaching credential. See the School of Education for additional requirements.

## Requirements for the Writing Minor

(minimum of 30 credits; minimum of 15 credits upperdivision)
ENG 1180 Grammar and Usag
ENG 2205 Writing to be Read.
ENG 3206 Technical Writing...
ENG 3207 Business Writing....
ENG 3305 Advanced Expository Writing
NNG 4930 English Practicum
RN 2101 News and Informational Writing
$\ldots . . . . . . . . . . . . . .5$
*Note: Approved electives from English and journalism.

## ENGLISH Courses

eng 0101 Writing laboratory (2) Closes gaps in students writing of standard English through writing short papers and studying grammar. This is a skills development course. Credits in this course d not apply towards graduation requirements.
ENG 0102 WRITING LABORATORY
or equivalent competency in English usage skills. Continues to build standard English usagese skills in a t tutorial setting. This is a skills
stand stancard Engish usage sedils in a tutorial setting. This is a skills graduation requirements.
or equivalent competency in applicat (2) Prerequisite: ENG 0102 or requivalent competency yin application of standard English usage
kills. May be taken concurrently with ENG 1105 to focus development of special needs. This is a skills development course. Credits in this course do not apply towards graduation requirements.
ENG 1004 SPELLING IMPROVEMENT (1) Offers th opportunity to improve spelling skills through a self-paced program o tests, reviews and exercises. Etucation students working to improve course.
ENG 1105 WRITING IN COLLEGE (3) Prerequisite: minimum competence in basic skills as indicated by placement examination core or ENG O101. Develops form of writing required in college Class not open to: Juniors and Seniors.
ENG 1180 GRAMMAR AND USAGE (2) Reviews standard ENG 1180 GRAMMAR AND USAGE (2) Reviews standard English using a self-paced and programmed approach to earning.
ENG 2205 WRITING TO BE READ
(3) Prerequisite: ENG 1105 or superior score on placement examination. Expository writing for studentsts sho have emastered basic competency in college writing and
who wish to develop a personal stye e suitable for various writing who wish to develop a personal style suitable for various writing juniors and seniors.
ENG 2215 IMAGINATIVE WRITING (3) Registration Approval:
Instructor Prerequisites: ENG 1105 and HUM 1110 . Fosters the vision Instructor. Prerequisites: ENG 1105 and $H U M 1110$. Fosters the vision and skills necessary for effective writing of poetry and fiction.
ENG 2225 PRACTICAL CRITICISM: WRITING AND RESEARCH (5) Prerequisite: HUM 11110 or prmission of instructor.
An introduction to various contemporary approaches to the sudy of An introduction to various contemporary approaches to the study of literature, with emphasis on scholarly research, thinking and writing. the five credits for this course are applicable to the writing requirement for English and secondary language arts majors.
ng 2233 ISSUES OF FAITH IN LITERATURE (5) Prerequisite: HUM 11110 . Examines the treatment of belief and disbelief in
tierature shaped by various Christian traditions and by a variety of social and literary by varioutsts. Instristiuctor tradition chooses to focus on American, British, or contemporary literature. May be taken by media.
ENG 2251 ENGLISH LITERATURE: BEGINNINGS THROUGH MILTON (5) Prerequisite: HUM 1110. Surveys the first three periods of English literary history: Old English, including the 8th-century nglo-Saxon epic Beowulf; Middle English, including Chaucer's Canterbury Yaess; and Eng lish Renaissance, concluding with Milto ENG 2252 ENGLISH LITERATURE: RESTORATION THROUGH VICTORIAN (5) Prerequisite: HUM 1111. Surveys major authors, themes, genres and movements in British Literature of
social contexts.
ENG 2253 AMERICAN LITERATURE: BEGINNINGS TO 1900 5) Prerequisiste: HUM 1110. Survery major authors, themes, genres he modern period, including intellectual and social contexts. ENG 2350 INTRODUCTION TO WOMEN'S STUDIES (5) This course will focus on the relationship between culture and gender.
will examine a variety of topics which will include theoretical approaches to gender, the relationship between gender and the approaches to gender, the reationship between gender and the manner in which gender
Equivalent: SOC 2350.
ENG 3000 BRITISH ISLES ORIENTATION (1) Registration pproval: Instructor. Introduces students to the literary and cultural andscape of the British Isles. Orients studentst to the acacademic work of
the ensuing british Istes Suarter, and to the challenges and he ensuing British Isles Quarter, and to the challenges and mpportunities of traveling and studying in Britain. Addresses practica quarters travel. Graded pass/fail. Offered alternate years.
ENG 3206 TECHNICAL WRITING (3) Prerequisite: ENG 1105 or
superior score on placement examination Develops kjill sin report uperior score on placement examination. Develops skills in report
writing using a problem-solving approach. Focuses on report formats, writing management and group writing, and correspondence. Special attention to proposal and manual writing. Attribute: Writing Course.
ENG 3207 BUSINESS WRITING (3) Prerequisie. ENG 110 . ENG 3207 BUSINESS WRITING (3) Prerequisite: ENG 1105 or saperior score on placement examination. Develops skills in for correspondence, short reports, promotional writing, resumes and ENployment appications. Attribute: Writitng Course. M (5) Reviews college-level writing skills and provides expertise many of the important business writing and technical communicalon skills. Covers business correspondence and proposal writing. May been taken Offered oly by 3 ali Atribues. Writing Course ENG 3234 LTTERATURE by WOMEN (5) Prerequisit: HUM 1110. A study of poems, stories, plays and essays written in English by women. Organized chronologically, the course wirl include both significant themes, the literary forms and the social context of iterature written by women
eng 3235 LITERATURE OF THE AMERICAN RENAISSANCE (5) Prerequisite: ENG 2253 or permission of instructor. Focuses on he Civil War. Includes works by such writers as Emerson, Thoreau, Douglass, Hawthorne, Melvile, Stowe, Whitman and Dickinson.
ENG 3236 SHAKESPEARE ON FILM (5) Prerequisie. HUY 1110. Explores the dynamic relationship between the texts of Shakespeare's plays and their interpretation and production on film. Focuses on helping thudents understand and interpret written texts and to become a better-
Cinema-going skills. Attribute: Writing Course.
NNG 3246 WORLD LITERATURE (5) Prerequisite: HUM 1110 . ENG 3246 WORLD LITERATURE (5) Prerequisite: HUM 1110 Traces the development of and the major themes in the tradition of and Renaissance to the modern era. Includes writers such as vergil, Dante, Cervantes, Dostoyevsky and at least one work of non-Western iterature. Attribute: Writing Couse.

ENG 3248 NON-WESTERN LITERATURE (5) Prerequisite: HUM 110. Investigates selected literary works by authors from Latiin America, Africa, and Asia, with particular emphasis on the contemporary pe
ENG 3305 ADVNNCED EXPOSTO Prerequisiste: ENG 2205, superior score on placement examination, or permissition of instractor. Provides opportunity for atvanced writers Course. NNG 3316 WORKSHOP IN WRITING POETRY (3) Prerequisite: ENG 2215 or permission of instructer: Offered aiternate
ENG 3317 WORISHOP IN WRITING FICTION (3) Preerquisite: ENG 2215 or permission of instructor. Offered alternate years. Attribute: Writing Course. ENG 3334 AMERICAN ETHNIC LITERATURE (5) Preequisite novels, plays, poems and essays of the minority groups who hav a part of thays, Ameemicand e essayse, particularlarly emphasizing the writing of Afro-Americans.
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,

## Writing Course.

ENG 3337 SOUTHERN WRITERS (5) Prerequisite: ENG 2253 or permission of instructor. Considers 20 th-century novels and short
stories by such writers as Faulkner Warren, Welly 0 Oconnor and Percy. offered alternate years AAtribute Writing Course. Percy. 3338 CONTEMPOR alternate years. Attrib AMEte: Writican Fiction Prerequisitit: ENG 2253 or permission of instructor: Considers the
beginning of modern fiction in the 1920 s with authors such se
 Falurnerf, Hemingway and ritzgereald, and then treats novels anc short
stories from the 1966 so Writing Course.
eng 3345 The arthurian tradition in early ENGLSH LTTERATURE (5) Prerequisiste: ENG 2251 or permission works of Nennius, Gildas, Geoffrey of Menmouth and chretien de Troves. Also considers how the legend flourishes in Gawain and the Green Knight and Malory's
Atribute: Writing Course.
eng 3346 literature of the english renaissance "5) Prerequisite: ENG 2251 or permission of instructor. Considers the sean through the warks of Wyat Spenser Sidney Raleigh 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, Hecrbert and Marvell. Offered alternate years. Attribute: Writing Course.
ENG 3347 18TH-CENTURY POETRY AND PROSE (5)
Prerequisite: ENG 2252 or permission of instructor. Considers 18 th century literature in the context of the European Enlightenment. Focuses on new understandings of the self and society which illuminate many of our contemporary assumptions. Includese writing alternate years. Attribute: Writing Course.
ENG 3348 ROMANTC POETRY AND NON-PICTIONAL PROSE (5) Prerequisite: ENG 2252 or permission of instructor. Wordsworth, Coleridge, Byron, Keats and Shelley. Corresponding emphasis on the non-fictional prose of such contemporaneous writers
as De ouincey, Haziltt and others. Offered alternate years. Attribute: as De Quincey, Hazilit and oth ENG 3351 VICTORIAN FICTION (5) Prerequisite: HUM 1110 or permission of instructor. Studies novels of representative Victorian
novelists, including the Brontes, Dickens, Eliot and Hardy. Special novelists, including the Brontes, Dickens, Eliot and Hardy. Special
attention given to the conventions and critical terms of fiction, as wel attention given to the conventions and critical
as the various ideologies of Victorian culture.
ENG 3352 THE EARLY MODERNS (5) Prerequisit: ENG 2252 or permission of instructor. Studies the British writers who attempted to break away from traditional fornss of literary expression and whos
work exemplifies the moderal sensibility including witers such as work exemplifites the modern sensibility, including witers such as
Conrad, Yeats, Eliot, Pound, Joyce, Lawrence and Woolf. Offered alternate years.

NG 3380 AFRICAN LITERATURE (5) Prerequisite: HUM 111 or permission of instructor. Examines the work of a variety of authors
rom the continent of Africa in the light of social and cultural history. Includes works by such writers as Achebe, Coetzee, Dangarembga,
Fugard, Gordmer, Ngugi and Sopinka. Offered alternate years, Agard, Gordimer, Ngugg ana ENG 3381 ASIAN LITTERATURE (5) Prerequisite: HUM 1110 or permission of instructor: Examines the work of predominantly Japanese authors in the light of the country's social and cultural
history. Incluces works by such writers as Murasaki Shikibu Basho history. Incluces works by such writers as Murasaki) Shikibu, Basho,
Shusalu Endo, Yasunari Kawabata, Yukio Mishima and Kobo Abe. Offered alternate years. Attribute: WWriting Course.
ENG 4425 MODRN POETRY (5) Prerequisiter ENG 4425 MODERN POETRY (5) Prerequisiste: HUM 1110 or permission of instructor. Concentrates on how to read, understand, the present. Special attention given to the conventions and critical terms of poetryy Offered alternate years. Attribute: Writing Course.
ENG 4445 SHAKESPEARE (5) Prerequisit:: ENG 2251 ur 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.
ENG 4447 CHAUCER (5) P
ENG 4447 CHACER (5) Prerequisite: ENG 2251 or permission of instructor. Studies the major writings of Chaucer, including Troilus
and Criseyde and Canterbury Tales, in the context of the 14 th century. Offered alternate years. Atrribute, Writitng Course.
ENG 4448 MILITON (5) Prerequisite: ENG 2251 or permission of
instructor. Studies Milton's poetry by concentrating on his synthesis of instructor. Studies Milton's poetry by concentrataing on his synthesis of
the Christian and humanistic traditions. offerd alternate years 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 eachi language stage to ilterary expression dy ENG 4661 THE BEST OF CS. LEWWIS (3) Identifies basic literary, philosophical and theological categories of Lewis' works.
Studies the great themes which permeate Lewis' literature, through examining his major works.
ENG 4685 HISTORY OF LITERARY THEORY (5) Prerequisite: ENG 22225 or permission of instructor. Studies the major issues and course is especially appropriate for advanced maiors. It also provides a cuurse is sespecialy yappropriate for advanced majors. It alaso provicies a In English. Offered alternate years.
ENG 4900 INDEPENDENT ST
ENG 4900 INDEPENDENI STUDY (1-5) Registration Approval: Independent Study Agreement. May be repated for credit
credits. Class not open to: Preshmen and Sophomores. ENG 4901 INDEPENDENT STUDY ABROAD ( $1-5$ ) Registra tion Approval: Independent Study Agreement. Reserved for studdents who wish to arrange for Independent Study credit while abroad during eng 4921 DIRECTED READINGS IN THE C.S. LLWIS CIRCLE ( $1-5$ ) Registration Approval: Independent Study Agreement. Lewwis J. .R.R. Tolkien, Doorothy L. Sayers, and Charles Williams. Lewis, J.R.R. Tokienen, Doorothy L. Sayers, and Charles williams. Examples of he belles--letres. Min we tave Faces: A My th Retold (Sayers) and Descent into Hell (williams).
ENG 4930 ENGLSH PRACTICUM (1-3) Registration Appro Instructor. For advanced students who wish to assist as tutors, iscussion eeaders, and readers in iower-division English classes. May Sophomore
5) R 4940 COOP EDUCATION: ENGLISH INTERNṠHIP ( 1 5) Registration Approval: Instructor. Applies writing skills in varied employment settings; possibibilitesis includder publilic relations offices, newspapers, and other informational services. studentst may suggest
their own interuships in consultation with the faculty supervisor long as writing skills are used and other internship criteria are me. May be repeated for credit up to 6 credits. Course Equivalent: JRN 4940. Class not open to: Freshmen and Sophomores.
5) Registration Approval: Instructor. See course description for EN 5) Registration Approval: Instructor. See course description for $\mathbf{E N}$ 4940. May be repeated for credit up to 6 credits. Course Eq
RN 4941. Class not open to: Freshmen and Sophomores.
eng 4950 SPECIAL TOPICS IN LITERATURE (3-5) Topics to
be announced in Schedule of Classes. May be repeated for credit up to ENG 4952 BRTTISH ISLES: SPECIAL TOPICS (3) Registration Approval: Travel Stuctes Bititsh culture and history, to be determined by the instructors, as part
of the British Isles Quarter. Offered alternate years.

## ENGLISH AS A <br> SECOND LANGUAGE (ESL)

The Intensive English Language Institute (IELI) offers English as a second language classes to foreign students and American non-native speakers of English. Completion of the Advanced level with grades of A or B enables applicants to meet SPU' Engish proficiency requirement
students may take IELI courses
IEU was established on the SPU campus in 1977 and is
IELL was established on the SPU campus in 1977 and is
administered by the American Cultural Exchange. The IELI curriculum is an intensive, ten-week, multi-level program which is designed to prepare foreign students for admission to American colleges and universities. During the summer, IELI offers a regular 10 -week session, a 5 -week session and a shor semi-Intensive program emphasizing cultural orientation for foreign
below.

English as a Second Language (ESL) Non-native speakers of English who need assistance in developing their English skill. or in orientation to American culture may register for courses through IELI. With the exception of ESL 1000, ESL 1030 and COM 1000, courses 0011 at SPU. Placement in these courses is determined by testing through IELI.

ESL 0011, 0021, 0031, 0041, 0051 READING (4)
ESL 0012, 0022, 0032, 0042,0052 WRITING (4)
ESL 0013, 0014 BASIC SKILLS/SEMINAR (4)
ESL 0015, 0025, 0035, 0045, 0055
ESL 0016, 0026, 0036, 0046, 0056 PRACTICAL SKILL (1) ESL 0023, 0033, 0043 GRAMMAR (4)
ESL 0024, 0034, 0047, 0060 COMMUNICATION SKILLS (4)
ESL 0037 ENGLISH THROUGH BUSINESS (4)
ESL 0038 INTEGRATED SKILLS (4)
ESL 0048, 0049 SOCIETY IN CONTEXT/SEMINAR (4)
ESL 0050,0059 ADVANCED INTEGRATED SKILS (4) ESL 0053,0054 ENGLISH THROUGH WRITTEN MEDIA SEMINAR (4)
ESL 0057,0058 COLLEGE COURS
OBSERVATITON/SEMINAR (4)
ESL 0067 COLLEGE STUDY SKILLS (4)
esL 1000 esl Conference writing (4) Permission of iel Director is required to register. Helps non-native speakers of English to improve their writing through group instruction and one-on-one
conferencing. Emphasis is placed on standard English structure, sophistication of vocabulary and writing style, and self-editing skills. Successful completion of ESL 1000 obligates a student to take ENG 0101 and ENG 1105 .
ESL 1030 ESL SKILLS DEVELOPMENT ( $1-5$ ) Prerequisite ESL 0041 and 0042 or equivalent. Permission of IELI
required to register. May be repeated for credit 1 time.

COM 1000 ORAL COMMUNICATION FOR NON-NATIUE
english speakers (4) Permission of IEL Director is required to register. Develops presentation, listening, interpersonal, and pronunciati
classroom.

Vor further information about these courses and an application, 20ntact IELL, 3120 3rd Ave. W., Seattle, WA 98119, (206) 281-281-2076.

EUROPEAN STUDIES
(See Languages section.)

## FAMIII AND CONSUMER SCIENCES

## Barbara Bovy, Director: Evette Hackman

 Sandra Hartje, Sharleen Kato, Gaile Moe, Stella WarnickFamily and Consumer Sciences is a multi-disciplinary field of study integrating and applying knowledge from research within study integrating and applying knowledge from research $w$
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 communitites. Students majoring in other areas find Family and Consumer Science courses highly useful and challengng as a supplement The purpose of studying Family and Consumer Sciences is to prepare students to work with people in a professional capacity. Through a broad base of core competencies and relevant knowledge within various specializations, students are
effectively prepared to enhance the quality of peoples' ${ }^{\prime}$ lives b effectively prepared to enhance the quality of peoples' lives by
promoting well-being and providing material goods and promoting well-b
needed services.
The program provides a strong undergraduate background for these 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

 A variety of degree programs are available in Family and courses designated as the 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 Sciences major, 25 credits must be upper-division. Two degrees are offered: B.A. or B. The B.S. degree requires 30 credits in the natural sciencedisciplines. All students desiring degrees in Family and Consumer Sciences must meet the department's requirements for major status and be approved as majors by the department's faculty.
Additional courses may be required within each of the majors to meet individual career goals. Related courses
strongly recommended for $B A$ or $B S$. degree include those communication, hose in

Core curriculum required for all majors in amily and Consumer Sciences 3220 or $4240 ; 3410$ or $3412 ; 3460 ; 4630$. Additional courses advisement may include 4930 or 4940 . Additional courses required for various majors are listed as follows:

## FAMILY AND CONSUMER SCIENCES MAJOR

 A B.A. degree is offered in Elementary and Secondary Family The general Family and Consumer Sciences area offers a focu either the generalist area or in one of the student-designed options of child and family studies or consumer relations. All majors take the Family and Consumer Sciences core. Students seeking teacher certification in Family Life Education at either he elementary or secondary level must meet the requirement requirements in Family and Consumer Sciences
## Elementary Teaching Certification

CS 1050; 1310 or 2385; 2365; 2702; 2830; 3220; 3385; 3410 o 412; 3460:3564; 3875; 4240; $4250 \cdot 4511 ; 4630$

## econdary Teaching Certification

CS 1050; 1310; 1710; 2365; 2702; 2830; 3220; 3252; 3365 ; $3410 ; 3412$
$4512 ; 4630$
ocational Certificatio
PU is an approved institution for vocational certification of amily and consumer sciences teachers in middle, junior, and igh school Home and Family Life programs. In addition to and industrial safety requirements.

## econd Endorsement in Family and Consume

## ciences

second teaching endorsement in Family and Consumer ciences requires a minimum of 24 credits in four specialization areas: family relations, child growth and development, utrition, consumer education or resource management. Required courses include: FCS 1310; $3220 ; 3410$ or $3412 ; 4240$; 4250; 3510 or 4511. Electives may be selected from: FCS 2365, redits across six subject matter areas in family and consumer ciences are required to teach in vocationally approved programs grades 9-12.
General Family and Consumer Sciences minimum of 55 credits in family and consumer sciences is ollowing course groupings. Dual counting is not allowed between the specialization and the family and consumer science core. FCS 1810, 1840, 2820, 3870, 3875 or 4911; FCS 2830,2831 or 3830 ; FCS $2365 ; 2375,3365,3366,3385,4365$ or 366; FCS 1310, 3320, 3340 or 4330 ; FCS $3220,3252,4240$ or 4250; FCS 3710,3712 or 4730 ; FCS 3410 or 3412 . FCS 3564 business and communication coursework are also required. Flexibility within the general track will allow the student to ocus on child and family studies or consumer relations hrough a student-designed major. A 3.0 GPA is required prior to submitting an application for the student-designed major. pplications must be submitted no later than the first quar equired to complete a minimum of 45 credits in the fam and consumer sciences core, and a minimum of 75 credits in heir major. At the present time, the following emphases can be developed through student-designed majors

Child and Family Studies: The following courses rec 30 ended: FCS $3220,3410,3710,3875,4240,4250,4940$ 4252; COM 3102. Additional courses in psychology sociology and education will be recommended by advisement for students interested in working with young children or pursuing graduat school. Graduate work may be required for counseling positions.
Consumer Relations: The following courses are recommended: FCS 3410, 3412, 3504; ENG 3207; BUS 3541, 3544,
ECON 1100 or 2101 and 2102; COM 1321 or 2227, 4142; and PHI 3705 . Other coursework determined by advisement.
FOOD AND NUTRITIONAL SCIENCES MAJOR The B.S. degree is offered in Food and Nutritional Sciences. Al majors must take the eamily and consumer sciences and food Food and Nutritional Sciences Core: FCS 2365, 3320, $3340,3365,3366,3385,4330,4365,4366$. (For dietetics students 3320 is optional; select either 4365 or 4366.) Prerequisite requirements include: general and organic chemistry, physiology and andony, micriobiology, mathemat
 Select one of the following areas of study: Business FCS 2375; ACCT 2361; BUS 3541 or 3544, 3657; ECN 1100 or 2101; ENG 3206 or 3207; MAT 1360
Dietetics ACCT 2361; BUS 3614 or 3657; FCS 2375, 4340, 4350; HSC 4044 or MAT 1360; SOS 4308.
 3590,4580 MAT 1360.

It is strongly advised that all food and nutritional sciences majors complete the prerequisite courses in chemistry and biology before their junior year
Dietetic training: The dietetics specialization in the food and nutritional sciences major is currenty granted approval by and nutritional sciences major is currenty granted approval by division of Education Accreditation/Approval, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education. The dietetics specialization is referred to as a Didactic Progran in Dietetics. AGPA of 2.8 and

A graduate of SPU with a dietetic specialization is eligible to apply for a dietetic internship or preprofessional practice program (AP4) at another institution. After the dietetic internship or AP4, the student is "RD Eligible." The student can then take the registration examination. When passed, the

Transter students: A student planning to transfer into the food and nutritional sciences program from a two-year program should have made satisfactory academic progress core transserring. In addition, it is strongly advised that student should have completed the chemistry, physiolog prerequisistes for the major

TEXTILES, CLOTHING AND INTERIORS MAJOR A B.A degree is offered in Textiles, Clothing and Interiors. The curriculum is designed to train individuals for careeis in the areas of retail merchandising, apparel manufacturing, advertising, apparel designing, and resicential and commercial design. AI can select from textiles and clothing or interior design.
rextiles and Clothing
Gajors in textiles and clothing must complete the following core courses: $3840,3870,3875,4911$.
Textiles and clothing students must complete a minimum o 20 credits from the following electives to define an area of specialization in lashion buying and merchandising or apparel 4931, 4940
,4940. Students in the textiles and clothing program who have additional specializations if they are accepted into the liaison program with the Fashion Institute of Technology in New York City. Those students who choose the FIT option must work closely with their advisor in selecting courses which best prepare them for their chosen major. Specializations offered through
the liaison program with FIT include: Accessories design, the liaison program with ric include: Accessories design, production management, fashion design, fashion buying and merchandising, ewelry design, textile/surface design, or textile development and marketing

## Interior Design

The following courses are required for a degree in interior design: FCS 1204, 2702, 2830, 2831, 3710, 3712, 3714, 3830 4730, 4940; ART 1102, 1103, 2202, 3604,3605 or 3607,421
4215; 4236, BUS 2361: BUS 3541 or 3544 or 3545 ; BUS 3614
 by advisement.
Students have an option of pursuing a concentrated year of training in interior design by participatiting in the liaison ing (FIDM) in Los Angeles. The interior design program at FIDM is accredited by the Foundation for Interior Design Education Research. Students electing to participate in the FIDM liaison would apply in their junior year and attend during their senior year. Students considering this option to meet the requirements of both FIDM and SPU.

## Requirements for the Minors

minimum of 30 credits in family and consumer sciences Including 15 upper-division credits are required or the thre minors.
Minor in Family and Consumer Sciences
Select one course from each area:

1. FCS 1310, 2365, 2385, 3385
2. FCS 3220, , 4240
3. FCS $1710,3410,3412,3460,4730$

Select one specialty area:
1 Child and Family Sudies - FCS 3220, 3252, 4240, 4250 2. Textiles and Clothing - FCS 1810, 1840, 3820, 3830,
$3840,3841,3870,3875,4911,4820,4840,4841,4845$ 3. Consumer Science Required: FCS $3410,3412,3460$.

Select from: FCS 3365, 3875
4. Food and Nutritional Science - FCS $2365,2375,3320$, $3365,3366,3385,4310,4330,4340,4350,4365,4366$ 4930
5. Housing and Interiors - FCS $1710,3710,3712,3830$
4730

All courses in the specialty area do not need to be taken unless recommended by the advisor for the minor specialization
eneral areas in the "core for the minor," exclusive of the specialty area, can be counted in the total 30 credits. Minor ments for vocational certification for secondary family life ducation teachers grades $9-12$. See course descriptions tor pretequisites for upper-division courses
Minor in Food and Nutritional Science minimum of 30 credits in food and nutrition including 15 pper-division credits are required. Complete the following Select a minimum of 8 credits from the following additional courses to obtain a total of 30 credits: FCS $2375,3365,3366$, 3950, 4310, 4340, 4350, 4366, 4930
Minor in Textiles and Clothing
minimum of 30 credits in textiles and clothing including 15 ppper-division credits are required. Complete the following 4911. Select a minimum of 9 credits from the following dditional courses to obtainn a total of 30 credits: FCS 284

## FAMIII AND CONSUMER

## SCIENCES Courses

cs 1050 PROFESSIONAL PERSPECTIVES (2) Introduces the istory, literature and contributions of the family and consumer potential and set acadendic students cliscover special interests, ce FCS 1204 DESIGN STUDIO (3) Applies the elements and emphasizing practical interior design problems. Course Equivalent ART 1204.
FCS 1301 WELLNESS (3) Examines lifestyle decision making, presents basic knowledge on concepts of health and wellness: mental addictive behavior, lesisure and work. Relates course content to spiritual, social, emotional, inteilectual and physical well-being an to the development of an integrated lifestyle. Extra fee. Course
Equivalens: PE 1301 and HSC 1301 . FCS 1310 INTRODUCTORY NU'
rinciples of meeting the nutritional needs of human beings $f$ pnormal growth and development; identification, function, metabolism and food sources of specific nutrients.
FCS 1710 DESIGN FINDAMENT aspects of the individual's near environment. Explorese basic principiples and elements of design as they relate to fine arts and applied design (urban, interior, advertising and industrial design). An important exploration of strategies for enhancing creative abilitities.
 designing, production, merchandising, marketing and promotion of
apparel goods and examines the interrelationships of each level of the fashion industry. Career options within various areas of the industry are discussed in lecture and explored through shared expertise of guest speakers and field trips to regional fashion industries.
FCS 1840 BASIC CJOTHING CONSTRUCTION (3) Pr basic techniques necessary for the construction of simple garment his is a skills-oriented class designed to develop strong competencies. equired by the beginning sewer who wishes to become proficient in constructing professional looking apparel. professional uses of fashion illustration, and career opportunities, raining and skills required for the professional. Teaches design details and rendering of an elementary fashion figure through ectures and demonstriation. (5) Sirvess the development of basic scientific concepts related to the preparation of food; studies the principles of food selection, storage and prepar

FCS 2375 FOOD PRODUCTION AND MANAGEMENT (5)
Prerequisite: FCS 2365. Organization, management and cost contro Prerequister:: CQ 2365. Irganization, management and coss contrio FCS 2385 FOOD AND THI
FCS 2385 FOOD AND THL CONSUMER (3) Examines consumer behavior in the selection of fooc as is relatesto need, cultural, social, faith, aesthetics and psychological influences on food election. IIfentifies the impact of environment, safety, food additives, CS 2702 INTRODUCTION TO INTERIOR DESIGN (2) rerequisite: FCS 1710. Elements and principles of design applied to residential and commercal interiors. Overview of the interior design field.
CS 2820 FASHION MERCHANDISING (3) This course presents an verview of the background, structure and ever-changing fashion buying and merchandisisin. Studentst will gain basic
knowledge and skills for effective development in visual merchandis-
ing, buying sales, profitidevelopment siven an opportunity to explore their personal attributes in relation to hose required for succeessful performance in fashion merchandising, essential for anyone pursuing a career in fashion merchandising.
FCS 2830 TEXTILES FOR THE CONSUMER (3) Study of extiles from raw materials through manufacturing and finishing of textiles from raw materials as through manuuatacuring and tinish to durability, comfort, care and aesthetics. Survey includes natural and man-made fibers, yarns, fabric constructions dyes and finishes.
rereviste eginning textues laboratory (2) Prerequisiste: FCS 2830. Provides laboratory experience in areas such as fiber identitication, properties, structures and finishes.
FCS 2840 APARLL
FCS 1840 Construction technniques and pattern engineering skills employed he production of apparel which fulfills standards of function, he production of apparel which futfilils standards of function, necessary to evaluate the construction of apparel items found in the CSS 3220 CHILD DEVELOPMENT (3) Analyzes factors that Iffect development of the child physically, emotionally, socialiy and itellectualy. Identifies impact of health, the environment and ociety on the child
CCS 3252 MARR
family as an insititution and djustment; parent-child relationships; changing family patterns amily disorganization and reorganization. Course Equivalent: SOC ECS 3320 CHILD NUTRITION (3) Prerequisite: FCS 1310 or 340. Studies nutritional considerations as they relate to pregnancy, cctation and infancy through adolosconc. syychological and sociological influeences) to nutrient need'(s) and recommended intake(s). Determines adecequate dietary patterns, perentative dietary measures and behaviora response to food.
c3340 FAMIIY NUTRITION (3) Prerequisistes: BIo 2130 and HM 2330 Presents essentials of adequate diets and food sources of he nutrients; meeting nutritional needs of each member of the amily; nutritional composition of foods in relation to normal and moditied diets. Prerequistes: FCS $1310,1710,2365$ and 3460 Surveys the effect nutrition, budget, satisfaction and resources in menu planning for various nutritional needs. Provides laboratory experience in buying
and time management.
FCS 3366 ADVANCED FOOD SCIENCE (3) Prerecuisites: CHM 2330 and FCS 2365 . Examines food structure, food chemistry, food measurements, food quality, food research literature and scientific lab prs $\mathbf{3 3 8 5}$ FOOD AND CULITURE (3) Prerequisite: Junior standing or permission of instructor. Explores how the foodways of ndividuals in different cultures evolved. Evaluates the nutritional, conomic and aesthetic properties of food from various cultures. Sreshmen and Sophomores.

CS 3410 INDDVIDUAL AND FAMILY FINANCE (3) ncluding goal setting, budgeting, savings and cash management, use Credit, net worth income taxes and investment basics.
ICS
3412 CONSUMER ECONOMICS CS 3412 CONSUMER ECONOMICS (3) Investigates the mpacts on business and the indvividual consumer. Relates the rights and responsibilities of the consumer in the marketplace and mphasizes the need to gather and evaluate information. Provides nderstanding of the social, psychological, economic and legal FCS 3460 FAMILY RESOURCE MANAGEMENT (3) rerequisites: FCS 3220,3410 or 3412 and 4240 recommended. mphhasis is on a systems approach to resource management withis the family ecossstem. Inclucess strategies ior maximizing manage-
ment influences on individuals and families at varying stages of the lifecyle and socioeconomic levels. Class not open to: Freshmen and Sophomores. 3564 PRESENTATION SKILLS (4) Prerequisites: FCS 1710 and 1310 or 2365 or 3340 and 3875 or equivalent or permission. and 1310 or 2365 or 3440 and 3875 or equivalent or permission.
Provides opportunity for demonstration hheories invoved in all areas
of family and consumer sciences. Student presentation using the of family and consumer sciences. Student presentation using the CS 3710 PAMIIY HOUSII
elation to needs, processes and alternatives; buying versuls renting malicy, teconomic and and other variables; and constraints affecting housing decisions. Attribute: Writing Course.
CS 3712 RESIDENTIAL TECH NOIOG
CS 3312 RESIDENTIAL TECHNOLIOGY (3) Prerequisite: ART 204. Survey of equipment and technological systems in a resicientia resources and energy sources and human considerations in kitchen lanning and appliance design.
S 120 a manced design-INTERIORS (3) Prerequisite: CS 1204 or permission of instructor. Applies design principles to Class not opent to: Freshmen and Sophomores. CS 3820 MERCHANDISING PLANNIG and inventor CNTROL (3) Prerequisite: FCS 2820. Covers specifics of 6 -mont planning, open-to-buys, inventory turns, stock sales ratio and gross nargin Class not open to: Freshmen and Sophomores. 831. Survers the textile industry including the domestic market 2831. Survess the textile industry including the domestic market,
extile development and testing. Explores the sourcing and purchasing of textiles and the structure and organization of the industry. dependent study on specific textile processes. Class not open to FCS 3840 FLATT PATTERN DESIGN (3) Prerequisites: FCS 1840 and 2840 or permission of instructor. Studies design principles and lat pattern techniques as they relate to garment design. Uses desig beauty. Sophomores may register with permission of instructor. Clas not open to: Freshmen. 3841 APPRRLL DRAFTING APPLICATIONS (3) Perequisistes. FCS 1840, 2840,3840 . Drafting procedures for complex designs such as coats, suits, pants and intricate patterns. xxercises in effectively presenting design ideas visually and verbally. FCS 3870 HISTORY OF COSTUME (5) Studies textile and costume designs of civilizations from the ancient to present day ocial, coonomic and political factors of various periods and their mfluence on evolution of costume a major emphasis. Integrates ostume with various arts: painting, sculpture, drama, music
Sophomores.
FCS 3875 clothing \& HUMAN BEHAVIOR (3) Studies the
sociological, psychological, cultural and physical factors which sociological, psychological, cultural and physicica factors which
influence clothing behavior. Analyzes the relationship bewwen ciothing choices and the political, economic and moral climate of an era. Includes selected reading from several disciplinines. Class not open IO: Freshmen and Sophomores. 4240 PAMILX RELATIONS (3) Studies the role of parents in stablishing a home environment which provides for the physical
 ncluding decision making elements, problem solving techniques and hared responsibililities.

ICS 4250 STRATEGIES IN EARLY CHILDHOOD (3) prerequisistes: FCS 3220, 4511 (can be taken concurrently). Provides opportunitites 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 centers and kindergarten. 30 hours of laboratory experience required. Class not open to: Frestmen and Sophomores.
FCS 4310 NUTRITION IN SPORTS AND EXERCISE (3) FCS 4310 NUTRITION IN SPORTS AND EXERCISE (3) prerequisisis. principles: the role of the six major nutrient groups in physical performance; energy metabolism and exercise and special concerns with dietary considerations relative to performance. Curren readings on controversial isslues.
2330, BIO 2130 and FCS 3340 . Expanded discussion of nutrient interrelationships, intermediary metabolism and nutrientr tequire ments for health maintenance. Research of recent advances and Controversia issues in human nutrition A Attribute: Writing Course
FCS 3340 DEITT THERAPY (5) Prerequisites:
ICS 2365,3340, 3385 and CHMM 43 61, 4362. This course presents nutrition as a factor
in the treatment and prevention of disease and maintenance of in the treatment and prevention of disease and maintenance of
health. Strategies for assessing needs, developing treatment care plan implementing and documenting of plans, evaluating, and quality implementing and documenting of plans, evaluating, and quality to: Freshmen and Sophomores.
FCS APPLCATIONS (4) Prerequisites: FCS 3340 or 4310 or perm
of instructor: Nutrtition education and community nutrition programs; multi-dimensional nature of nutrition problems and programs designed to solve them; communicating with people in
clinical and community settings; application of learning theory clinical and community settings; application of learning theory and
methods of behavior change. Class not open to: Freshmen and Sophomores.
Sophomores. 436 SENSORY AND OBJECTIVE evaluation OF FOOD (5) Prerequisite: FCS 2365 or permission of instructor.
Illustrates scientific principles of sensory and objective valuation of Illustrates scientifici principles of sensory and objective evaluation of
food and food product including formulation and development of products. Conducts individual research problems. Offered on even numbered years. Attribute: Writing Cours
and product develOrmind (3) rerequisite: FCS 2365. Explores food preseivation, new food products, food additives, naturally occurring toxicants and convenience foods. Identififes goverrmental regulations and consum buymanship, food product development and convenience foods. Offered on odd numbered years.
fCS 4511 family llfe education teaching methods (5) Prerequisites: FCS 1310, 1710, 3220,3410 or $3412,3460,3564$,
4240 and Phase I. Explores methods (scope and sequence) of teachin 4.40 and Phase I. Explores methods (scope and sequence) of teaching understanding, development and organization of the subject content that promotes quality of life for individuals and families.
FCS 4512 VOCATIONAL ASPECTS IN HOME AND FAMII LIIER EDUCATION (3) Prerequisist: Phase I. Identifies philosophy and mission of vocational eeducation and explores methods of planning and dimplemenenting a arogram that meets the established
standards and criteria for a vocationally appored Life Program. Class not open to: Freshmen and Sophomores. FCS 4630 FOUNDATIONS AND CONTEMPORARY ISSUES (3) Prerequisitite: Family and Consumer Science major with senil standing; juniors may register with permission of instructor.
Examines history philosophy and cultural values as they relate mamines history, philosophy and cultural values as they relate to the
mission and goals of the faminily and consumer science discipline and profession. Investigates ppublic policicy issues affecting fanilipes and
explopees strategies for professional impact in the area Identife explores strategies for professional impact in the area. Identififes management abilies for planning and implementing professiona FCS 4730 INTERIOR DESIGN RESOURCES AND MATERL-
AIS (5) Prereqi ALS (5) Prerequisitits: FCS 1710, 2830. Studies resources an maderials sused in interiors and their functional and aesthetic
relationship to interior design. Class not open to: Freshmen and Sophomores.
FCS 4820 APPAREL RETAIL MANAGEMENT (3) Prerequisite 2820. Includes hiring, scheduling, selling costs, department presentation
Sophomores.

FCS 4840 APPAREL DESIGN THROUGH DRAPING (3) rerequisistes: FCS 2840 and 3840 or permission of instructor. Stu aprareipldesign of through the use of draping techniques. Presents and current apparal designs. Investigates current fashion designers picture. Class not open to: Freshmen and Sophomores FCS 4841 ADVANCED PROBLEMS IN DESIGN (5) Prerequisitess $\mathrm{FCS} 3840,4840$. Creative development of apparel design
collections to meet furctional and aesthetic needs of individuas. Visual presentation of design ideas through portolios, displays and choreographed presentations. May be repeated for credit 1 time. Class not open to: Freshmen and Sophomores.
FCS 4842 CHILDREN'S WEAR DES considerations in children's apprat by evaluating Explores desig aesthetic and durabbilitry factorsp. Indusistry professionals will contribute
and toward the student's knowledgge base. Students will design and
partiaily construct a children's wear line or conduct a market analysis. May be repeated for credit 2 times.
FCS 4850 RETAIL ADVERTISING SYSTEMS (5) Management of advertising, publicicity and non-personal selling activities. Visual the sale of products services or ideas. Class not open to: Freshmen and Sophomores. Independent Study Agreement. Prerequisites: Senior standing and a " B " average in Family and Consumer Science studies. May be Sophomores and Juniors. FCS 4911 CURRENT ISSUES IN CLOTHING AND TEXTIL
(3) Sudy of factors affecting production, distribution and consumption of textilies and clothing in American and international
cont SCS 4930 FAMILY AND CONSUMER SCIENCES PRACTICUM FCS 4930 FAMILY AND CONSUMER SCIENCES PRACTICUM
(1-5) Provides an opportunity to gain practical experience related to (1-5) Provides an opportunity to gain practical experience erelate
previous cousse work in the major field in supervised teaching, grading, laboratory preparation and/or tutoring. Specific a arrangements suith the instructor required. No more than 6 credits may count Freshmen and Sophomores. FCS 4931 PRACTICUM IN DESIGN PRODUCTION (1-3) Registration Approval: Instructor. Practical application of coordinia
tion, production and promotion in the Designer's Showcase. May be tion, procuction and promotion in the Designer's showcase. May be
repated for credit up to 5 credits. FCS 4940 INTERNSHIP (3-1) Registration Approval: Instructor Prerequusites: " B " average; ; unior standing. Provides opportunity for observation, orientation and participation in employment. Work xperience planned in advance with the instructor. May be for credit up to
Sophomores.

FINE ARTS
(Interdisciplinary Courses)
PPA 1101 ARTS IN AMERICAN CULTURE (3) Explores how th arts help us define our private and public culturess emphlasizes the
relationshiss hetween art and the individual and between American society and the arts, both popular and "high" art; and examines the 1111. Class not open to: Juniors and Seniors. Class not open to: Graduate level.
fPA 1111 ARTS IN AMERICAN CULTURE LABORATORY (2) Attendance at films, videos, concerts, plays, other special events in
coniunction with PTPA 101 and as basis Corequisite: FPA 1101. Class not open to: Juniors and Seniors. Clas niot open to: Graduate level.
Sha 41 the ine arts and religious experience (5) Shows the interdependence of the arts and worship, dealing with such
subjects as ritual, liturgy, acchitecture, the plastic, dramatic, and subjectis as ritual, ilturgy, architecture, the plastic, dramatic, and
musical arts. Atistic symbolism is studied, with an opportunity to plan and implement a group worship experience using the arts as an integral part of the course. Class not open to: Freshmen and
Sophomores.

FRENCH
(See Languages section.)

## GENERAL STUDIES

The general studies major is available to students who are 25 years of age or older. Specific requirements for the general sudies major are: 72 credits selected from three disciplines related to the student's degree objectives; Course work with
"D" srade may not be counted in the total credits for this major. At least 15 , but not over 36 credits, shall be in each discipline; A minimum of 30 of the 72 credits shall be in courses numbered above 2999.

## GENERAL STUDIES Courses

The following General Studies courses focus on learning skills and student leadership development, with the exception of $G$ 1005 which is designed specifically for international students.
GS 1001 SUCCESS SKills for college (2) Class is designed to assist students in developing effective study skills, time manage-
ment strategies and positive self contidence academically and ment strategies and positive self contidence academically yand textbook reading and exam performance skills. Also, students learn ow to understand and utilize their learning style ando cate in written and oral expression.
GS 1002 CRITICAL THINKING FOR AN INTERDEPENDENT OCIETY (2) This class emphasizes the techniques and perspecti explore computerized tools available to accessing to information as well as organization and documentation for research papers. Also, students consider the role that culture and diversity have on clear and GS 1005 VLLUES, FAITH AND TRADITIONS IN WESTERY CULITURE (1) Registration Approval: Instructor. Offered each quarter for international students only y 01 ) satisty the chapel cred equirement, and 2 ) provide opportunity for an introduction and
discussion concerning values, faith and social issues in the US. Extr fee. May be repeated for credit up to 5 credits.
GS 2101 BASIC SKILLS IN LEARNING RESOURCES (2) Teaches the basic skills of library research and explores subbect recaphic databasess and audio-visual equipment operation. GS 2306 TUTORING (1) Registration Approval: Instructor. May be GS 2400 INTRODUCTI
GS 2400 INTRODUCTION TO STUDENT LEADERSHIP DEvELOPMENT (2) An introduction and overview of the "leadership". Designed for fresthman and soctionhomore, and other leadership. Designed for freshman ant
individuals in leadership development.

GS 2931 STUDENT LEADERSHIP PRACTICUM (1-3) Registration Approval: Instructor. Not open to persons enrolled in $G S$ oup dynamics, motivation and program minnasement Students und assess personal leadershiip style and practice skills in group facilitation assess perssonal eadership sylye and pracicice skill sin group faciilitation
and goal setting. May be repeated for credit up to 3 credits. Class not open to: Freshmen.
GS 3419 STUDENT PERSONNEL DEVELOPMENT (3) Registration Approval: Director of Residence Liff. This course is for students who have been selected as SPU peer advisors. Programming, management are among the subjects covered. Offered during spring GS 3420 STUDENT PERSONAL DEVELOPMENT - ADVANCED LEADERSHIP (1-3) Registration Approval: Instructor. Study and practice of leadership one step further in regard to mission
development and implementation, leadership skill and organizational development and implementation, leadership skill and organizational
development. Offered during fall and summer quarters, it is primarily development. Offered during fall and summer quarters, ,t is primarily
designed for officers and leaders in student government and campus organizations. May be repeated for credit up to 3 credits.
GS 3421 STUDENT PERSONNEL DEVELOPMENT - PEER GS 3421 STUDENT PERSONNEL DEVELOPMENT - PEE ADVISOR (1-3) Registration Approval: Instructor. Provides advanced training or students in ministry positions at SPU. Topics
include small group dynamics, principles of evangelism, discipieship, spiritual formation, and program planning. offered during spring quarter. May be repeated for credit up to 3 credit
GS 3932 STUDENT ADMINISTRATION PRACTICUM (1-5) Registration Approval: Instructor. Corequisite: Election as ASSP office
Requires active leadership within the ASSP. At the commencement of Requires active eeadershiip within the AsS. At the commencement of hat office and shall continually maintain records of their activities officers. At the end of the quarter, participants shall provide an
analysis of their accomplishments and a attainment of established goals, as well as an assessment of the overall effectiveness of the current student government. May be repeated for credit up to 5 credits Independent Study Agreement. May be repeated for credit up to 10 credits. Class not open to: Freshmen and Sophomores.

## GEOGRAPHY

## Kathleen Braden, Ronald Boyce

SPU offers no baccalaureate degree specifically in geography, social science disciplines into a student-designed major Geography, along with history, is a critical service component for students majoring in other disciplines, such as social science education, and provides an important dimension to a liberal arts education.

For a minor in geography, the required courses are:
E0 1110 World Regional Geography
SBS 1677 The Nature of Cities.
2 ts from thic Geograp
GEO 3170 Geopolitics (5)
GEO 3305 Urban and Regional Planning (5)
credits combination of any of the following:
GE0 4920 Directed Readings ( $1-5$ )
GEO 4940 Internship (2-10)
GE0 4970 Research in Geography (2-5) ..................... 5
gEOGRAPHY Courses
GEO 1110 WORLD REGIONAL GEOGRAPHY (5) Provides familiarity with character of major world regions. Emphasiza
variations in levels of economic development and resource distribution among nations, and appreciation for diversity of world cultures. 2207 ECONOMIC GEOGRAPHY (5) Surveys the changing world production and distribution systems, particularly principles and the world economic system and their place in dictating regional and national development, as well as in stimulating growth, is also
explored. Course Euvivalent: ECN 2207 explored. Course Equivalent: ECN 2207 from a variety of social science disciplines (political science, history, economics and politital 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. Class not open to: Freshmen.

GEO 3305 URBAN AND REGIONAL PLANNING (5) Explores the legal and historical aspects of American urban and regional plaaning from a sociological and geographic perspective. Constitu-
tion-based planning themes are examined. Both the practicalities of planning and various utopian plans are presented. Case law is used to demonstrate current planning controversies. Offered alternate years. Course Equivalent: POL 3305. Attribute: Writing Course
practical perspective on the distribution and siting of ancient and modern cities, their internal distribution of land use within the context of urban rent theory and various politital and social restraint
as these relate to the quality of urban life. The geography of city as these relate to the quality of urban life. The geography of city
systems are are examined in accordance with such models as economic base theory and central place theory. Attribute: Writing
Course.
GEO 4910 SEMINAR IN URBAN ISSUES (5) Provides GEO 4910 SEMINAR IN URBAN ISSUES (5) Provides
capstone course focusing on contemporary urban issues and synthesis capstone course focusing on contemporary urban issues and synthesis
of interdisciplinary perspectives; including presentation of a research project. Attribute: Writing Course.
GEO 4911 ADVANCED SEMIN
GEO 4911 ADVANCED SEMINAR (3-5) Prerequisite: Upperclas
standing. Seminars sudxing theoretical standing, Seminars studying theoretical and/or practical issues in
politics, government and political science. See current Time Schedule politcs,
for topics. May be repeated for credit up to 25 credits. Course Equivalent: POL. 4911. Attribute: Writing Course. Class not open to
GEO 4920 DIRECTED READINGS (1-5) Registration Approval: Independent Study Agreement. May be repeated for credit up to 30 credilis. GEO 4940 INTERNSHIP (2-10) Registration Approval: Instructor. May be repeated for credit up to 30 credits.
GEO 4970 RESEARCH IN GEOGRAPHY $(2-5)$
Approval: Instructor. Prerequisite: 10 credit hours in geography. May be repeated for credit up to 25 credits.

## GERMAN

(See Languages section.)

## GRADUATE STUDIES

Graduate Studies at Seattle Pacific University emphasize three principal aims: scholarship, research, and professional Graduate Policy and Evaluation Committee by the Faculty Senate.

DEGREES OFFERED
Master of Arts

Teaching English to Speakers of Other Languages Master of Business Administration (M.B.A.) Master of Education (M.Ed.)
Curriculum and Instructio
Reading/language Atts
School Administration
School Counseling
Master of Science (M.S.)
Marriage and Family Therapy Nursing Leadership
Information Systems Management
Doctor of Ed
Doctor of Clinical Family Psychology (Psy.D.)
For further information on graduate programs, request Graduate Catalog from the Office of Admissions.

## HEALTH SCIENCES,

 SCHOOL OFThe purpose of the School of Health Sciences is to prepare
The purpose of the School of Health Sciences is to prepare
graduates to meet the health needs of a community throug promoting wellness and providing illness care for its members. The faculty of the School of Health Sciences believes that, as God's creation, each person is unique. Yet every individual hares the characteristics and needs of allo
steem, equilibrium, and reconciliation to God
The holistic person is an integrated being with physiological which are affected by developmental changes throughout one's ife span. In addition, the person continually interacts with his her environment, which includes family, community, and the larger society. It is this holistic person, in the context of his/her environment, who is the focus of professional health care. As a
result of the skill, support, and guidance of experienced health care professionals, people can experience growth, healing and wholeness
The School of Health Sciences offers a major in nursing and pre-professional education in dental hygiene, medical records administration, medical technology, occupational therapy, and physical therapy. Students in the pre-professional programs are prepared
schools.
The School also offers a Master of Science in Nursing including an adult and gerontology nurse practitioner pathway. For further information and a brochure detailing program
requirements and course descriptions, call (206) 281-2888. Nursing
The Bachelor of Science in nursing prepares graduates to assume first-level practice and leacership roles in a variety of settings, in keeping with the University model of the Christian scholar-servant. The aim in torstanding caring compassion sensisitvity intentlectuel curiosity and critical thinking as well as the integration of Christian faith with scientific knowledge and clinical expertise. Curriculum is offered for those with no previous college preparation, those with advanced standing, and registered Therses from associate degree or diploma nursing programs. The nursing program is fully accredited by the State of
Washington and by the National League for Nursing. Upon completion of the degree, the graduate is eligible to take the ational examination required for licensure as a registered nurse.
"Our students are challensed by the rapid changes and increasin demands of bealth care in hospitals, homes and the community. They make a difference to others with knowledge, skill, and Cbristian caring: nursing is a ministry as well as a profession."
Lilyan Snow School of Health Sciences

## Curricular Objectives

nursing curriculum at Seattle Pacific
University, the graduate will:
. Evaluate the characteristics of human-environment systems
2. Synthesize knowledge of the holistic nature of persons in relation to health.
3. Promote optimal health as a dynamic human goal. Utilize the nursing process to provide health care for
individuals, families and groups.
5. Utilize effective communication as an individual, group
participant, and a leader in health-care activities.
6. Demonstrate behaviors and values which exemplify the professional role.
7. Integrate the arts, sciences and nursing theory to develop a
holistic perspective for nursing practice.

The nursing program also offers transcultural experience for students, both on-campus and abroad. Nursing students may opt to take Holistic Assessment and Intervention theory and practicum in Costa Rica or Taiwan during their senior year. In additition, the School of Health Sciences has close ties with Junma and National Yah Ming Medical College in Taiwan. Frequent exchange programs of students and faculty are held with these schools for the sharing of learning.

## Admission to the Major

Students interested in professional nursing must apply through the Office of Admissions. High school preparation for nursing includes four years in the language arts, two years minimum of
college preparatory mathematics, and two years of laboratory science, one of which should be in chemistry. Those accepted into the University who indicate an interest in nursing are assigned a nursing faculty advisor.
Students seeking admission to the nursing major must also make a formal application to the School of Health Sciences. Admission to the University does not guarantee admission to the
nursing program. Application forms for the nursing program are available in January for the following autumn and the deadline for applications is April 1. The Academic and Student Affairs Committee evaluates each applicant on the basis of scholarship and personal qualifications judged necessary for nursing. At least a 2.65 GPA in natural and social sciences is expected with no pre--requisite course (inorganic and organi earning less than a "C" grade.
Educational standards and policies governing students admitted to the nursing program and regulations covering a student's progression through the nursing program are outlined in the Seattle Pacific University Nursing Handbook Copies of this handook ane
Sciences.
Admission with advanced standing depends upon meeting the requirements established for nursing students. Students study approved by the fauly of nursing
Registered nurses from diploma and associate degree programs wishing to earn a Bachelor of Science degree should contact the School of Health Sciences for program information and make an appointment with the Director of the RNB program. Application is then made for admission to the University. After acceptance to SPU, the nurse should apply for
admittance to the School of Health Sciences. R.N. applicants admittance to the School of Health Sciences. R.N. applicants
meet the same criteria for admission as all applicants to the
ursing program. Individual evaluation is done at that time d program planniing is started. National League for Nursing aken in mid-August and early to mid-September prior to the beginning of autumn quarter
International students who are registered nurses in another country must take the Foreign Nurse examination prior to take the national licensing examination during their first year at Seattle Pacific University. These students will enter the
program as basic nursing students and will be appropriately
placed in the RNB curriculum after they are licensed as nurses In the State of Washington.

## Expenses

General expenses are the same as for other students with the following exceptions:

1. Cinical practicum fee (see Financial Information
section of the Catalog).
2. Uniforms purchased in the sophomore year cost approximately $\$ 80$.
Transportation costs between the University and clinical
facilities vary from quarter to quarter.
student mumunity health nursing assignment, the plan to hase have a current driver's license and should
3. National Leave access to a car.
(see Financial Information) Diagnostic Readiness Exam 6. Ahysical examination is requ.

A Aphysical examination is required prior to beginning graduation.
7. Certain immunizations and diagnostic tests for communicable diseases are required prior to beginning practicum courses.

## Scholarships and Loans

Students in the nursing major needing financial assistance hould apply to the SPU Financial Aid Office. In addition to other government-sponsored programs, e.g., the Veterans Administration, armed services, and other target programs. Nursing students are encouraged to apply for scholarship unds from local medical societies, medical auxiliarties, hospital organizations and service organizations in local communities.
The Nurses' Alumnae Association administers small grants made possible through gifts to the Association.

## Requirements for the Major

NEW BS CuRRICULUM
design that is effective outline reflects the new curriculum the nursing program. The basic program is four years in length with seven quarters of clinical nursing ( 75 cr). The course work requires 180 credits. (Junior and seniors currently enrolled in the nursing program will continue to follow the old descriptions).

First Year
*BIO 2129,2130 Human Anatomy and Physiology......... 10 *CHM 1211 General Chemistry



Second Year

| Basic Nursing ................................ 10 |
| :---: |
| 2942, 2943 Nursing of Adu |
| NUR 2944, 2945 Nursing of Adults II ........................ 10 |
| B10 3351 General Microbiology... |
| HES 3340 Nutrition. |
| 2470 Life Span Dever |
| al Education/t |
|  |

General Education/Electives/Foundations ....................... $\frac{2}{45}$
Nur 3942.3943 Family and Community Nursing I ....... 10
NUR 3942, 3943 Family and Community Nursing I ....... 10
NUR 3944,3945 Family and Community Nursing II ...... 10
UR 3946 Psychosocial Mental Health Nursing ...
NUR 3941 Holistic Practicum ...
HSC Statistics or MAT Statistics ....................


## Fourth Year

NUR 4936 Professional Leadership
NUR 4937 Professional Synthesis Practicum
NUR 4970 Research.
NUR XXXX Nursing electi

The typical six-quarter program for the Registered Nurse
student with completed sciences and junior standing (mini mum of 90 creditis) on admission, inciuding 33 credits through advanced placement examination is as follows:

## First Year


Second Year
NUR 4930, 4931, 4932, 4933, 4934, 4935, 4970 .............. 2

$$
\begin{align*}
& \text { Ir } 4930,4931,4932,4933,4934,4 \\
& \text { ursing electives............................ } \\
& \text { neral Education or nonoral olactive }
\end{align*}
$$ Nursing electives .

**Varies depending on the number of creditits accepted graduation.

## CONTINUING BS CURRICULIUM

The following program outline reflects the continuing
curriculum for juniors and seniors who are currently enrolled in the nursing program. Only the third and fourth year course are listed becuase the original second year courses are no

Third Yea
NUR 3930, 3931 Nursing of Children
NUR 3930, 3931 Nursing of Children ........................... 10 NUR 3934, , 3935 Psychiatric Mental Health Nursing............ HSC Statistics or MAT Statistics ..................................... General Education/Electives/Foundations ........................... 15

## Fourth Year

NUR 4930, 4931 Community Health Nursing .................. 8 NUR 4930, 4931 Community Health Nursing ................. 8
NUR 4932, 4933 Nursing Leadership ......................... NUR 4932, 4933 Nursing Leadership ............................
NUR 4934, 4935 Holistic Assessment and Interventions .... NUR 4970 Research ..



## HEALTH SCIENCES Courses

HSC 1301 WELLNESS (3) Examines lifestyle decision making, health, nutrition, plysical activity, prevention of chronic illness and addicitive beharivor, leisture and work. Relates course content to
spiritual social , emotional intellectual and spiritual, social, emotional, intellectual and physical well-being and Equivalents: HES 1301 and PE 1301.
HSC 3035 HUMAN SEXUALITY (3) Introduces basic aspects of human sexuality: biologically how the reproductive system works
psychologically how males and females piew their sexulality and psychologically how maues and femaies view their sexuality, and whole. Christian perspectives will be related to the development of individual sexual values. Class open to: Juniors and Seniors.
HSC 304 PERPECTVE $\mathbf{~ O N ~ L O S S ~}$
3) HSC 3304 PERSPECTIVES ON LOSS (3) Provides a cultural social, developmential and self-exploratition of issues, beiliefs, and
attitudes about loss, death and dyping. Presents an interdisciplinary approach for in-depth understanding using in-class practice of communication skills and interviewing techniqued for working with the sensitive issues involved with loss, death and dying.
HSC 3395 HEALTH CARE DELIVERY SXTEMS (3) Examine perspectives on differing health care philosophies and practices in the U.S. and other countries. Explores trends, current events and connoumegrs. Promestatations are given by health care providers and HSC COU4 BIOMEDICAL TESTS, MEASUREMENTS AND
STATISIICS (5) Promotes the conceptual understanding of the 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 procedures
analysis.
HSC 439
analysis.
HSC P391 PATHopHYSLOLOGY (3) Registration Approval: pathophysiologgy aris invesestigated from the perspective of how warious
stressors and adaptive responses affect levels of wellness. These indlud normal as well as abeerrant cell genesis; protective, resistive and adaptive mechanismss; phases of pathologic changes; related clinical hSC 4477 EEFECTIVE INTERPERSONAL DYNAMICS (3) Based on theories of social style and interpersonal interaction, this course is designed to provide one framework to explain interpersonal and groups. Extra fee at first class. HSC 4900 INDEPENDENT STUDY (1-5) Registration Approval
Independent Study Agreement. May be repeated for credit up to 10 Independent Stualy Agreement. May be repeated for credit up to 10
credits. credits.
HSC 4950 SPECIAL TOPICS IN HEALTH CARE (1-5) Focuses on emerging and specialized topics in health care. May be repeated
credit up to 10 credits. HSC 4952 ADULT DEVELOPMENT AND AGING (3) This course addresses adult development in the second half of life, age 45
and above. The course covers current theories of aging; psychological and above. The course covers current theories of agingg psycholog social, cultural and environmental influences on aging. Response of

## NTRSING Courres

## NUR 2050 Congertual framework for transfer

 STUDENTS (1-5) Introduces the philosophy and conceptual framework of the nursing curriculum. Examines application of theSPU Nursing Systems Model to the nursing process. Explores ethical SPU Nursing Systems Model to the numsing process. Explorese ethical issues and spiritual care related to health care. Specific topics in
health and illness care are covered as needed. May be repeated for credit up to 5 credits.
NUR 2940 BASIC NURIING (6) Prerequisites: PSY 1180, CHM 1211, 2330, Bio 2129,2130 and 3351 . Introduces nursing, covering
basic nursing concepts and an introduction to the nursing process and professional roles. Introduces principles of community healith, mental proassional roles. Intreduces principles of community heaithe, Writing Course. Class open to: Nursing majors.

NUR 2941 basic nursing Practicum (4) Provides experliences in appication of the nursing Yprocess. Heath protection and ee. Corequisite: NUR 2940. Clas open to: Nursing majous NUR 2942 NURSING OF ADULTS I ( 6 ) Prerequisite: NUR 2940.
Explores holistic nussing of adult clients. Incorporates more advanced concepts of health protection and health promotion for clients, their Couilies and communitus. Copen Course. Class open to: Nursing majors. I PRACTICUM (4) Extends the practice from the Basic Nursing Practicium to more complex ealth care situations. Extra Nursing majors.
NUR 2944 NURSING OF ADULTS II (6) Prerequisite: NUR 2942. Continues holistic nursing concepts, with application to clients
with multisystem problems. Corequiste: NuR 2945. Atribute: Writing with multisystem problems. Corequisite: NUR 2945. Attribute: Writing
Course. class ppen to: Nusising majors. Course. Class open to: Nursing majors.
NUR 2945 NURSING OF ADUIS II PRACTICUM (4) Application
of concets from Nursino of Adults II in a variety of health care setings. of concepts from Nursing of Addults II in a varicty of health cara setings. Extra fee. Corequisite: NUR 2944. Class ppen to: Nusing majors.
NUR 3050 PROFESSIONAL NURSING CONCEPTIT: RN (3)
 required course in the curriculum and is a prerequisite to all other coursework in the major. The course encourages sell-diricected stud
tased on Adult Learner concents based on Adult Learner conceppts and facililites adjustment to the
education-human environment system experience in general and to education-human environment system experience in general and to
the student role at SPU in particular. Professional nursing is the focus
of the couse extedin of the course, extending from historical and philosophical concepts to contemporary trends, and future possibillit
nursing roole. Atribute: Writing Cours.
NUR 3030 NURSING OF CHILDREN (4) Prerequisites: NUR 2934, 2935; FCS 3344 ; PSY 2470 . Focusses on health care issues relating to children from infancy through adolosecence, applying primary, secondary and tertiary levels of prevention. Corequisite: NUR 3931 .
NUR 3931 NURSING OF CHILDREN PRACTICU Prerequisites: NUR 29344 , 2935; FCS 3340 ; PRY 2470 . Provides
opportunity for application of the nusing proces in the opportunity for application of the enursing process in the care of care settings. Extra fee. Corequisite: NUR 3930. NUR 3932 NURSING IN REPRODUCTIVE HEALTH (5)
Prerequisites: NUR 2934, 2935;FCS 3340; PSY 2470. Focuses on Prerequisites: NUR 2934, 2935; FCS 3340; PPY 2470. Focuses on
concents of human sexuality and wellnes-ill 1 ess related to conceptst of human sexuality and wellness--illess reatated to
reproduction; nusing interventions during child-bearing process; primary, secoondary and tertiary level prevention in reproducti
health throughout the life cycle Corequiste: NUR 3933. health throughout the life cycle. Corequisite: NUR 3933.
NUR 3933 NURSING IN RERODUCTVE HEALTH PRACTICUM (5) Prerequisites: NUR 2934, 2935; FCS 3340; PSY 2470. Provides opportunity for application of theory with individuals,
families and groups in a variety of health care settings dealing with eproductive health issues. Extra fee. Corequisite: NUR 3932. NUR 3334 PSYCHATRIC MENTAL HEALTH NURSING (4) assessment and intervention with clients experiencing normal an dysstunctional responses to stress, including crises, major mental illness and substance abuse. Application of theories to the primary, Aecondary and tertiary leve
NUR 3935 PSYCHIATRIC MENTAL health PRACTICUM (4) Prerequisites: NUR 2934,2335 ; FCS 3340; PSY 2470 . Provides apportunity for application of theory with individuals and groups in aclut care settings, both in menta health and substance abuse.
Includes a clinical seminar and a group process experience in a community setting. Extra fee. Corequisite: NUR 3934.
NUR 3936 NURSNG
(3) Prerequisite: NUR 3050 . Students learn Holistic Nursing Assessmen. Nursing diagnoses are generated. Corequisite: NUR 3939
NUR 3939 UIFE SPAN NURSING: RN PRUCTIT
 Pretequisties: IUR 3036 . This course is application of Holistic Nursing Assessment in a variety of settings with clients across the lifessan, from multi-cultural backgrounds.
NUR 3940 TRANCULTURAL NURSIN
NUR 3940 TRANCULTURAL NURSING THEORY (3) clients from various cultural backgrounds.

UR 3941 HOLISTIC SYSTHESIS PRACTICUM (4) anste: NUR 3942. Concentrated practice with individual cliens dvidual needs and goass. Includes a clinical studies seminar that UR 3 actoss clinical areas. Extra fee
Prerequisites NUR AN AND COMMUNITY NURSING I (6)
Prerequisites: NUR 2944, 2945, FCS 3340, PSY 2470. Focuses on maily health care issues during the child-bearing and child-rearing nursing concepts. Introduces principles of nursing case management. Corequisite: NUR 3943.
UR 3943, FAMILY AND COMMUNITY NURSING I PRACTICUM (4) Prerequisites: NUR 2944, 2945, FCS 3340, PSY community settings that provide health care to to child-bearing and hild-rearing fanililes. Extra fee. Corequisite: NUR 3942 . Reprequisites NUR 3942,3943 , FCS 3340 , PSY 2470 Continuing of fanily health care, includung human sexuality and health-illness issues, with community nusing emphasis and application of family
mental health nursing principles. Corequisite: NUR 3945 mURal heath nursing principles. Corequisite: NUR 3945 II PRACTICUM (4) Prerequisites: NUR 3942, 3943 FCS 3340, PSY 2470. Provides opportunities for application of theory and research ndings in the care of families, in a varitety of communiity and menta health care settings. Extra fee. Corequisites: NUR 3944
NUR 3946 PSYCHOSOCIAL MENTAL HEALTH THEORY (3) Prerequisites: NUR 3942. Theories of nursing assessment and intervention with clients experiencing dysfunctional responses to stress, including crises, major menal inss, and substance Students learn Holistic Nursing Assessment. The SPU nursing systems model in used to gather and analyze data. Nursing diagnoses are enerated. Class open to: Nussing majors.
Prerequisit: NUR 3950 . This cousse is application of Holistic assessment theory learned in NUR 3950. Students conduct Holistic Nulisising Assesment hin avariety of settings with clients across the life span and from nulticultural backgrounds. Class open to: Nursing majois. UR 4411 PROPRSSIONAL SOCIALIZZAIINN Nas. (2) Explores xamines new trends in health care delivery, including economic-litical-legal aspects of professional nurse roles. Class open to Nursing majors. Class open to: Seniors.
NUR 4900 INDERENDENT STUDY (1-5) Registration Approve Iddependent Study Agreement. May be repeated for credit up to 10 credits
NUR 4930 COMMUNITY HEALTH NURSING (3) Presents IUR 4930 COMMUNITY HEALTH NURSING (3) Presents epplication, analysis and evaluation of the principles of community tion, community organization and health promotion. attribute: Writing Course. Class open to: Nursing majorss. Class open to: Seniors
NUR 4931 COMMUNITY HEALTH NURSING PRACTICUM 5) Preequuisite: NUR 4930. Provides opportunities for application of heories of community health and nusing process with pindividutuals, amiles and groups in a variety of ofticial and voluntary health agencies xtra fee. Class spent to Nusing majos. Class open to Senions. NUR 4932 NURSING LEADERSHIP (3) Provides theoretical
nvestigation of leadership concepts and their application to the nursing role in the health care team,
UR 4933 NURSING LEADERSHIP PRACTICUM (5) Prerequisite: NUR 4932. Provides opportunities for application of
leadership concepts while caring directly and indirectly for individual and groups of flients in a variety of health care settings. Extra fee. Class open to: Nursing majors. Class open to: Seniors. (3) Builds upon previously learned concepts of valuing, thinkingprocessing, communicating, teaching learnting, nussing care planning ande evaluatioung comprehensive and complex health issues
relative to clients from yarious scoiculturual areas of the wold telafee of artistic nenursing through caring is explored ats it portrrays
thert's mistion of reaching out to others in need. Atribute: Writing Course. Class open to: Nusing majors. Class open to: Seniors. UR 4935 HOLISTIC ASSESSMENT AND INTERVENTION RACTICUM (5) Prerequisite: NUR 4934. Includes primaty, sealth and healing environments. Students are expected to integrate
heory, values and psychomotor skills in assessment and interventions to: (1) bealth en effective caring and therapeuticic agentint to anomomote and maint toin tealth, (2) maximizer resources of clients, team and seff, (3) influence care wious couses are synthesizized nhrough honisticic practice Aesthetic an reative nusing involvement is promoted. Extra fee. Class open to: Nuusing ajoirs Class open to Seniors.
erequisities: NUR 3946, 3940 3941 Theoretical investig (4) leadership concepts and their application to the professionali nursing eadership concepts and their application th the prof Rereguisites: NUR 3946 , 3940 , 3941 . Provides oparturum ( 5 ) pplication of professional leadership concepts while caring directir End indirectly for groups of clients in variepty of health care setting. Extra fee. Corequisite: NUR 4935 SELEC
pecialized topice in nursing May be repeeated Focruses on emerging and NUR 4977 RESEARCH (3) Prerequilsites: HSC 4044 or BUS 136 r MAT 1360 or a coursi in statistics. Examines the research proces cluding critique of in-process and completed research. Gives opportunity for a systematic investigation of a health-related topic of

## HISTORY

William Woodward, Cbair; Alberto Ferreiro, Donald Holsinger
History is the study of the vast record of human experience. It serves as the collective memory of humankind. As memory hood and guides behavior, so history teaches about changes and matures, so the collective understanding of ty past changes as new evidence is discovered and new perspective e developed
Hence college-level history is much more a detective hunt than a memorization game. The task is to eerret out the facts, weigh interpretations, and draw conclusions. It requires wide reading, deep thinking, and clear communication.
To study history at a university that is distinctly Christian adds yet another dimension. Students encounter the impact arena too. More broadly students are challenged to tool at history from a Christian point of view. How does Christian faith aid understanding of the dynamic sweep of human events, the varieties of human cultures, the dimensions of human triumphs and tragedies, and the influence of heritage on one's own identity

These questions help shape the history curriculum at SPU, history maior. To study history here then is to develon both usefull skills and essential insights.
The major in history, especially atter advanced study, can lead to careers in teaching and writing history, in museums and archival work, and in a wide variety of other professions ranging from journalism, law, and government to the pastorate
and missions. Even for students with uncertain career goals, history offers a fruitful field of specialization within the general study of the liberal arts.
Formal study of history at SPU follows the familiar pattern of subdivision by region. The major program begins with an introduction to western Europeanc culture and to the distinctive forms of shared social experience - in all its fullness and and the United States. An encounter with a non-Weestern culture provides illuminating contrast. The deeper thrust of the program is integrative, however, demonstrating how to learn
about the past and engage the presen
The history student at SPU can take advantage of several complementary, second major, especially in pomplitical science o European studies, is encouraged. Internships and other offcampus studies help develop practical skills as a historian-intraining. Consider spending a quarter in Europe or Costa Rica, or a summer session in Spain. Or study public policy for a term
in the American Studies Program in Washington D. Conult in the American Studies Program in Washington, D.C. Consul ted stipulation

Requirements for the Major Fiity credits in history, including at least 25 upper-division, are needed to complete a specialization in history. In earning these creditts, students must take a civilization core and HIS 3850 plus certain specified courses in the three areas of European
American history, and history of the modern Third World American hifly:
WESTERN CIVILIZATION SEQUENCE: HIS 1201, either 1202 or 2452 , and either 2100 or 3170 AMERICAN HISTORY: HIS 2502 and 2503 or an advisorapproved upper-division substitution. THIRD WORLD: One course in the history of a Third World region (i.e., Africa, Asia, Latin America, or Islamic Middle East)
or Comparative Third World. or Comparative Third World.
3850. ELECTIVES: Must reflect various areas. May include with a balance among the in a related field, such as SBS 1710, EIR 3500 , or POL 4642 or 4643. Should include at least one course that requires a solid historical research paper. Students are encouraged to propose in the American Studies Program in Washington, DC C Certion restrictions apply consult your advisor. In add tion the history maior must work with an advisor to In addition, the history major must work with an anvisor to
select supporting courses in other fields, especially in the social select supporting courses in other fields, especialiy in the social
sciences, tailored to education and career goals. For example, students planning graduate study should accuire a reading masterry of a foreign language. Students seeking teaching
credentials must include HIS 3600 in their program; they should also take SBS 3500 and consult with the School of Education.
Requirements for the Minor A minor in history is available for those wishing to enrich their collegg experience by examining the unfolding story of human additional credential. As wilh the maior, the program requings course work in European, American, and Third World areas. For a general minor in history, students must take either HIS 1202 or 2452 , either 2502 or 2503 , and one Third World history course; plus 15 credits of electives totaling 30 credits (at least 15 upper-division). HIS 3850 is recommended but not required. For a teaching minor, students must take either HIS 1202 or
2452 , both 2502 and 2503 , one Third World history course, and 3600 ; plus additional work to total 30 credits ( 15 upperdivision). SBS 3500 is recommended but not required.

## HISTORY Courses

## ANGIENT CIVILIZATIO

HIS 2100 ANCIENT CIVILIZATION (5) Surveys Mediterranean history from early Egypt and Mesopotamia to the decline of the HIS 3105 TOPICS IN ANCIENT HISTORY (3) Preeequisite: unior standing or HIS 3170/CLA 3770. Specific focls may vary: Current topic: "Science and Technology in the Ancient World." Focuses on the achievements of Egypt, Mesopotamia, Greece and.
Rome in developing an understanding of the physical world. Included
will be concepts of cosmography, geography, astronomy and the
interactions of these fields with metalurgy, ship-building and His 3150 The ancient near east (5) Sudies the pre Classical civilizations of Egypt, Mesopotamia and Western Asia, emphasizing the peoples and lands relevant to Old Testament history Offered alternate years. Course Equivalent: CLA 3250 .
HIS 3170 CLASSICAL CVIIIZATION (5) Explo HIS 3170 CLASSICAL CIVILIZATION (5) Explores history, literaure and society of clasicial Greece and Rome stressing co

## EUROPEAN HISTORY

1201 MEDIEVAL EUROPE (5) Surveys the period from the fall of he Roman Empire to about 1500 . Emphasizes the role of Chri distinguish our Western culture from others, as well as the unique eatures of medieval cuture and their relevance today. This cours
HIS 1202 MODERN EUROPE (5) Surveys European history from 1500 to the present. Includes Reformation and Counter-Reformation; political, economic and cuilural transtormations; capitalist and noncapitalalist responses to industrialization; international power struggles
20th-century totalitarian regimes of 20th-century totalitarian regimes of Fascism and Communism. from the Norman conquest, with primary emphasis on the period from the Tudo dynasty to the present. Class not open to: Freshmen.
HIS 3331 HISTORY Or SPAIN AND PORTUGL (5) Traces the origins of Spain and Portugal in the High Middle Ages; emphasizes
the Golden Age, the overseas empires and the 20th century. Class not open lo: frestim
his 3335 iberian civilization and culture (5) Registration Approval: Travel Studies Form. Introduces history and
culfure of the Iberian Peninsula, from the Roman era to the present, cuiture of the Derian Penlisula, rrom the Roman erat the present, Spain. (For post-baccalaureate students, can be taken as HIS 5335 .)
HIS 3345 MODERN RUSSIA (5) Surveys Rusian social, cultura and political history with primary attention to the tsarist, revolutionary and Soviet eras, examiningt their legacies for current developmen and change. Course Equivalent: POL 3345
Class not open to: Freshmen HIS 3395 EUROPEAN INTELLECTUAL HISTORY: FROM ANSELM TO MARX (5) Surveys major thinkers and intellectuu movemenis from sctical context. Includes directed readings in primary sources. Clas not open to: Freshmen.
HIS 4230 RENAISSANCE AND ReFORMATION (5) Studies the Renaissance in Italy, focusing on the transition from la attention to its European-wide impact. Also considers the German Protestant Reformation and its influence upon Earl

## COMPARATIVE AND GLOBAL HISTORY

HIS 2452 HISTORY OF THE MODERN GLOBAL SYSTEM (5) Studies the transformation of world regional civilizations into a global system under the impact of Western expansion from 1500 to the present. Begins with a description of regional civilizations prior to
the "great discoveries"; traces cultural interaction, economic change the "great discoveries"; traces cultural interaction, economic
and political consolidation through the eras of mercantlist expansion, industrial and political revolution, global imperialism an 20th century developments. 3401 EARIY AND MEDIEVAL CHRISTIANITY (5) A survey of Christianity from its post-Apostolic origins to the end of the survee of Chisitianity from its post-Apostoic origins to the end
Middle Ages. Initially, evaluates the formation of orthodoxy, the challenge of Heterododxy, early monasticism, missions to Western
Euroepe then explores the achievenent of the Medieval Church Europe: then explores the achievement of the Medieval Church
through a study of the Papacy, Scholasticism, the Crusades and through a study of the Papacy, Scholasticism, the Crusades and
Eastern Orthodoxy. Course Equivalent: REL 3601 . Class not open to: Freshmen.
HIS 3402
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; 17 th century orthodox; Angicans and Puritans; the Council of Trent; $1 / 7$ th century ortiolox,
rationalism and pietism; the Great Awakening and westeyan revival or the 18 th
Ecuivalent: REL 3602 . Class not open to: Freshmen.

IS 3405 TOPICS IN HISTORY OF CHRISTIANITY (3-5) peccific focus may vaty. Current topicic "Western Spirituality: Hereficic he Early Church to the 16 th century, with special attention to their contributions to mainstream Catholic and Protestant traditions. Ma be repeated for credit up to 10 credilss. Course Equivalent: REL 3605 Class not open to: Preshmen.
IS 3435 MARXISM: 20TH CENTURY THEORY AND RACICE (3) Examines the development of varieties of Marxis heory and practice in the 20th century. Compares the Soviet, European, Chinese and Latiti American experiences with Marxist
thought and practice. Offered alternate years. Course Equivalents: ECN thought and practice. Offered alternate years. Course Equivalents:
3635 and
and
POL
3435. Class not open to: HIS 3440 INTERNATIONAL PEACE AND WORLD ORDER 5) A study of conflict and conflici r resolution in the international system, drawing upon resources from negotiation theory, peaal
studies, Biblical modeds, international law and international organization, with analysis of varying world order models. Course Equivalent: PoL 3440 . Class not open to: Freshmen.

## AMERICAN HISTORY: PERIOD STUDY

 HS 1500 AMERICA'S STORX: AN INTRODUCTION TO THE HISTORY OF THE UNITED STATES (5) Traces the formation. American past. Particular stress on America's religious heritage.Includes study of the growth of American political and economic Includes study of the growth of American political and economic groups who have formed American scielety
HIS 2502 TE HNITED STATES TO 1876 (5) Surveys the
development of the American nation from the earliest colonial development of the American nation from the earliest colonial
settlements through the Reconstruction period. Emphasizes seitlements shrough the Reconstruction period. Emphasizes institutions, issues, ideas and individuals. Focuses on basic trends
such as industrialization, patters of thouhht and values, politital
development, social change, sectional conffict. Readiings also explore development, social change, sectional conflict. Readings also explore
everyday social experience of minority and mainstram groups. everyday social experience of minority and mainstream groups.
HIS 2503 THE UNTIED STATES SINCE 1876 (5) Continues
he emphasis of HIS 2502: surveys the emergence of contemporary the emphasis of HIS 2502 surrveys the emergence of contemporary American life and cullture from the 1870 st the present: focuses on American power at home and abroad, the rise of modern mass society
and the emergence of new values. Readings also explore aspects of. and the energence of new
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 Revolution
Special emphasis on the emergence of an American identily and speciar enterphasis on the emergence of an Americioan identity and Course. Class not open to: Freshmen.
HIS 4525-4565 AMERICAN EPOCHS These courses provide focused time period in American history, taught in seminar style. Completion of a lower-division course recommended but not required The paricular courses offered rotate through a four year sequence
HIS 4525 JACKSONIAN AMERICA, 1820-1850 (3) Studies the interacting impact of revival, reform and romanticism in the context of political realignment and economic growth. Students select typical lifif roles from the
period to research and portray. Class not open to: Preshmen
and Sophomores.
HIS 4545 THE TRANSFORMATION OF AMERICAN MIER: 1870-1900 (3) 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 y accounts of the years and the Fairs. Class not open to: Freshmen and Sophomores.
HIS 4565 WORID WAR II ( 3 . Stur experiences at home and abroad during the Second World War, and assesses the impact of the ordeal on contenporary American civilization, Guest presentations supplement
instructor lectures and d class discussion. Students present an instructor lectures and class discussion. Students present an
individual oral history project. Class not open to: Freshmen and Sophomores.

AMERICAN HISTORY: TOPICAL STUD 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 regied experiences required. (For post-baccalaurates students, a tuto
 Division of Continuing Studies., Class not open to: Freshmen. HIS 3640 GROWTH OF THE AMERICAN ECONOMIC STSTEM (3) Prerequisites: ECN 1100 or ECN 2101 and ECN 2102
Studies the development of the Amertcan economy, with particular attention to the rise of the modern business system and its impact on American society; gives corollary consideraion to labor, agriculture, Equivaleat: ECN 3640 . Class not open to: Freshmen. HIS 3650 AMERICAN URBAN HISTORY (5) Surveys the rise of the mertropolis in American life and culture, focusisin on the roots of current social, economic and environmental problems. Offered HIS 3670 history or american Foreign relations (5) Studies the United States as a particicpant in the international system, from co.onial dependency to supertpower. Proposes a this framework to historical events considered chronologically. Considers questions of morality in relation to foreign policy. Cours Equivalent: POI, 3670 . Attribute: Writing Course. Class not open to Firshmen. 4600 PACIFIC NORTHWEST SENIOR TUTORIAL (5) Through guided independent study, surveys development of the region encompassing Washington, oregon, and Idaho from the discovery period to the present. Sudenis engage in readings and field visits, and permanent resource packet. Offered summer only. (Post-baccalaurepermanent resource packet. Aniered summer only. (Post-baccalaure-
ate students should enroll in HIS 5600 a version of the course offered year-round through the Division of Continuing Studies.) Class open

## THIRD WORLD HISTOR

HIS 3710 COMPARATIVE THIRD WORLD HISTORY (5) Explores the history of the Third World through thematic and region comparisons. Sample themes include frontier encounters, colonialClass not open to: Freshmen. and development of slamic clvilization from 7 th century origins to economic themes as well as the changing relations between the Middile East and Europe. Attribute: Writing Cousse. Class not open to: Freshmen,
HIS 3730 MODERN MIDDLE EAST (5) Traces cultural, political and economic change in the Middle East from the 18 , century to the present. Explores Middle Eastern//slamic responses to Western expansion, the rise of nationalism, the Arab-Israeli conflict and the geoppolitics of oil. Class not open to: Freshmen.
HIS 3750 LATIN AMERICA (5) Traces the history of America, with particular attention to the development of political economic, social, religious, and aesthetic values, Class not open to. Freshmen.
HIS 3785
3785 MODern Chiva and Japan (5) Covers the 19th and 20th centuries and considers the cultural, religious, and philosophical fabric of Chinese and Jjapanese societies, as well as Some attention given to other East Asian nations.
HIS 3790 HISTORY OF AFRICA $(5)$ Stude from prehistoric times to the present. Examines cultural, political and economice change both within ffrica and between Africa and other
world regions. Atribute: Writing

THEORY, METHOD AND APPLICATION HIS 3850 HISTORY OF HISTORICAL WRITING (3) Prerequisitie: 15 houis in history or permission of instructor: Studies the great historizns, past and presentit surveys maior schools of
historical interpretation and different methods of historical research. historical interpretation and difierent methods of historical research.
Requires investigations and reports by sudents. Required for all history majors. Class not open to: Freshmen.

HIS 4920-4929 READINGS IN HISTORY (2-5) Registration .pproval: Independent Study Agreement. Prerequisites: 15 creditits of B " grade work in history. Requires reading and reporting in a
designated area of history as arranged between the sudent and instructor. The student should present a proposal before revistering May be repeated for credit up
reshmen and Sophomores.
HIS 4940-4949 HISTORY INTERNSHIP (2-15)
 Approval: Instructor. Prerequisistes: 1 credidits of "r" grade work in
history. Provides opportunitites as available for practical application of
 e repeated for credit up to 30 credits. Class not open to: Freshmen IS Mon-Matriculated Students.
Registration Approval: Instructor: Prerequisites: 10 upper-division credits of "R" grade work in history. Requires research and wirtiting on a significant historical topic as arranged between the student and May be repeated for credit up to 15 credilis. Class not open to: reshmen, Sophomores and Non-Matriculated Sudents.

HUMANITIES
(Interdisciplinary Courses)
iUM 1110 INDIVIDUAL IN THE LITERARY WORLD ( rains students to read significant literature for pleasure and to and valued by people in the past and the present. Develops reading, writing and interpretive skills. UM 3110 INDIVIDUAL IN THE LTTERARY WORLD - M (5) Exploress major Western literary works (Homer, Greek drama, study of cultural backgrounds and common themes. This course is ffered only via media.
HUM 3287 MYTHOLOGY IN LTTERATURE (5) Prerequisite: Near Easterr world through the Classical Meditierranean to Europe, as vell as material from Asia and tribal societies. Emphasis on mythic Writing Course.

## INTERNSHIP PROGRAM

Internships seek to integrate academic theory with practical work experience. Designed to be an integral part of students cademic programs, the Internship Program allows students to earn up to 26 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 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 which distinguish internships from other part-time or volunteer work programs.
Minimum requirements for participating in the Internship completion of one quarter's work. Each school sets specific prerequisites for participation in internships.

Internship opportunities include: Accounting firms, research labs, performing arts organizations, retail stores, schools, human service agencies and many other types o organizations. Postings of internship opportunities and Career Development Center
Interested students should address inquiries to the Career Development Center, Student Union Building, and floor, Seattle Pacific University, 3307 3rd Ave. W., Seattle, WA 98119

## JOURNALISM

Students in journalism courses are presented with opportunities to (1) develop skills that promote effective communication of information using forms accepted in the publications industry, media, government, and business; (2) explore the impact of journalism on society; and (3) examine the historical and theoretical base on which today's media have been built A student-designed major in journaism is available to
students with a minimum GPA of 3.0 . This major must be students withed with a minor in another field - or must be

## Requirements for the Minor

(minimum of 30 credits; minimum of 15 upper-division) JRN 2101 News and Informational Writing.. JRN 2102 Feature Journalism...... JRN 2103 Producing Publications JRN 3105 Editing and Rewriting .................................................... Select one or both of the following

JRN 2104 Public Relations Theory and Practice (5) JRN 3101 Advanced Newswriting (3) ...................... 3-8


IRN 3801/02/03 Newspaper Production (6)
JRN $3801 / 02 / / 33$ Newspaper Production (6)
IRN $3930 / 31 / 32$ Publication Editor Practicum (6) $\ldots \ldots . .6$
$\mathbf{2 3 - 2 8}$
Total . Remaining $2-7$ credits must be met from among JRN 3350 and
JRN $4940 / 4941$ and ENG $2205,2215,3206,3207$, and 3305. No more than 5 credits of JRN 4940/4941 may be applied to the minor.

## JOURNALISM Courses

JRN 2101 NEWS AND INFORMATIONAL WRTTING (3) Develops skills in the communication of essential infoimation
through the mass media. Topics include interviewing sources, writin through the mass media. Topics include interviewing sources, writing
leads, organizing news stories, handling quotes and attribution, covering press conferences, comparing print and broadcast news writing, and understanding the legal and ethical issuees ellating to
news coverage. permission of instructor. Encourages studentst to explore humanpermision of instructor. Ancourges stucentits expipore humanarticles while continuing instruction in lead writing and editing. JRN 2101, 2102. Acquaints students with the production and design elements of publication using the creation of Newspapess, magazines and other print media as the models for learning.
JN JRN 2104 PUBLIC RELATIONS THEORY AND PRACTICE (5) Acquaints students with basic public relations theory, planning,
implementation and ethics. Deals with research, press releases and other media materials, media liaison work, event planning, and other aspects of public relations programs.
JRN 3101 ADVANCED NEWSWRITING (3) Prerequisite: JRN 2101 or permission of instructor. Develpops skills in newspaper
reeserch, reporting and writing. Couples hands-on reporting
aperience with an examination of the press as a force in American society. Deals with and 3105 EDITING AND REWRITING (2) Develops understanding of and skillss in stylistic and conceptual editing. Deals with he use of stylebooks and with editing of mass media, college papers, and other information sources. Allows students to evihance
proofreading, editing, and rewiting skills. theories relating to the development and use of the mass media. Topics such as the diffusion of innovation, media effects, and theories of the press are applied to current media issues
RN 3351 YIDEO PRODUCTION ( 3) Ex
process of creating video programs in the field (portable cameras) and in the television studio. Examiness basic producuction skills, principiples of elevision electronics, and creative individual and team processes used in developing a video program.
JRN 3355 THE PUBLIC AND THE MEDIA (3) Investigates historical and contemporary perspectives on freecom of the press, of public interest, convenience, and necessity. Includes analysis of the media as shapers of culture and values. Course Equivalent: COM 3855 . JRN 3801 NEWSPPAPER PRODUCTION (2) Registration Aproval: Instructor. Laboratory for the student newspaper, the In a variety of production phases with access to a faculty advisor, Only a variety of production phases with access to a faculty adrisor. Only
credits of JpN $3801,3802,3803,3930,3931$ and 3932 total may be applied to the student-designed JRN major or the JRN minor. May be repeated for creditit 5 times.
JRN 3802 NEWSPAPER PRODUCTION (2) Registration eaprova: Instructor. Laboratotry for the student newspaper, the in a variety of of productuction phasess with access to a faculty udvisor. Only credits of JRN $3801,3802,38303,3930,3931$ and 3932 total may be applied to the studdent-desig.
JRN 3803 NEWSPAPER PRODUCTION (2) Registration Approval: Instructor. Laboratory for the student newspaper, the
yearbook, and other student publications. Students work under editor in a variety of production phases with access to a faculty advisor. Only 6 credits of JRN $3801,3802,3803,3930,3931$ and 3932 total may be applied to the student-designed JRN major or the JRN minor. May JRN 3930 Publication editor practicum (1-3) Registration Approval: Instructor. Provides opportunity for application
of writitg, editing, and production skills in leadership roles of writitgg, edititing, and production skills in leadership roles in student publications. Open only to those officially selected for positions. No Production total may count toward a student-designed JRN majop or a JRN minor. May be repeated for r credit up to 6 credits. Registration Approval: Instructor. Provides opportunity for application Reg istration Approval: Instructor.P Provides opportunity 1 or appilication
of writing editing, and production skills in leadership roles in sudent publications. Open ontly to those officially selecteted for positions. No
more than 6 credits of Publication Editior Practicum and Newspaper more than 6 credits of Publication Editor Practicum and Newspaper
 JRN minar. Pay buiceation EDITOR PRACTICUM (1-3) Registration Approval: Instructor. Provides opportunity for application of writing, edititing, and production skills in leadership roles in studen publications. Open only to those ofiticially seiected ior positions. No Production total may count toward a student-designed RNN major or RN minor. May be repeated for credit up to 6 credits. InN 4900
Independent Study Agreement. May be repeated for creditit up to 10 Independent Study Agreement. May be ref
credit. Class open to Juniors and Senior
che

JRN 4920 DIRECTED READINGS (2) Registration Approval: | Independent Study Agreement. |
| :--- |
| JRN 4940 S |

JRN 4940 COOP EDUCATION: JOURNALISM INTERNSHIP (1-5) Registration Approval: Instructor. Applies journalism skills in internships in cons setungs. Students may suggest their own internships in conssultation with the eraculty supervisor as long as
journalism skills are used and other internship criteria are met. No
more than 5 of such credits may appy y toward a journalism mino May be repeated for credit up to 5 credits. Course Equivalent: ENG 4940. Class open to: Juniors and seniors.
JRN 4941 COOP EDUCATION: JOURNALISM INTERNSHIP (1-5) Registration Approval: Instructor. Applies journalism skills in various employment settings. Students may suggest theirir own internshhips in consultation with the faculty supervisor as long as journalss 5 such credits may apply toward a journalism minor. No be repeated for credit up to 5 credits. Course Equivalent: ENG 4941. Class open to: Juniors and Seniors.

## LANGUAGES

Marilyn Severson, Chair; Robert Baah, Kathryn Bartholomew, Frank Leddusire Michael Macdonald, Christina Roseman

## Michael Ziemann

The department of foreign Languages and Literatures encompasses the academic discipline of foreign language acquition and is 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 one
ancient language, Latin. There are three departmental degree programs: European Studies and two self-designed programs, programs: European Studies and two self-designed progr
Classics and Latin American Studies/Spanish. The selfdesigned majors must be constructed in close cooperation with appropriate faculty. 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 1101 classes ( 2100 for Russian) of the modern spoken languages; should a desired
1101 class be closed, students are urged to choose another anguage or to consider summer school offerings on langu Courses from other local colleges. Depending on staffing a section of French, German, and Spanish 1103 and/or Spanis 102 is offered autumn quarter. Students should consult the Time Schedule to verify such offerings.
Foreign language study (with emphasis on the needs of the eepending on the location of European Quarter Frearch Depencing on the location of European Quarter, French
German, Russian, and Spanish 1100 are available for beginning students, 2100 for intermediate students, and 3100 for advanced students.

## CLASSICS (student-designed)

Christian Roseman, 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 a thousand 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 enrichment for personal satisfaction Students interested in pre-law, pre-medicine, education and
any 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 satistactory completion of the third quarter of a first year
college-level foreign language or its equivalent. For alternative ways of satisfying this recuirement, 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 Major

Language emphasis
(minimum of 46 credits)
CLA 3770 Classical Civilization .............................................. 24
CLA 3204 Survey of Classical Latin Litera..........
CLA 3104 Survey of Ancient Greek Literature .
EUR 3100 Foundations of European Art............................. 2


## equirements for the Major -

Cultural emphasis
minimum of 45 credits)
CLA 3204 Classical Civilization ................................... 5
CLA 3104 Survey of Ancient Greek Literature
LUR 3100 Foundations of European Att...
Other approved courses*

Note: Other approved courses are to be taken from the listings elow and other approved courses (usually from philosophy history, English or linguistics).

## Requirements for the Minor -

Classics or Latin
(minimum of 33 creditss minimum of 15 upper-division) CLA 3770 Classical Civilization ........
sect one couse form
A 3104 Survey of Ancient Greek Literature (5)
LIA 3204 Survey of Classical Latin Literature (5) ............ 5 Other approved courses.................................................................................................................
Total

## CLASSICAL LATIN Courses

Note: Latin is taught alternate years
LaT 1101 ELEMENTARY LATIN I (5) Studies the essentials of Classical Latin grammar to build comprehension in teading and riting elementary Latin. The LATT 101, 1102 and 1103 sequence is LAT 1102 ELEMENTARY LATIN II (5) Prerequisite: LAT 1101 or Classical Latin grammar and syntax. LAT (5) Prerequisite: IIT 1102 or permission of instructor. Continues the study of classical Latin through reading to provil
emphasizes transiation. 1103 or permission of instructor. Provides intensive review of composition and syntax necessary for all advanced work in Latio.
LAT 3204 SURVEY OF CLASSICAL LATIN ITTERATURE (5)
 Surveys the chronological development of Latin poetry and prose in its continuing inspiration to European writers. Special emphasis on
literary analysis and critical theory. Taught in English translation in aiterrate years. Course Equivalent: CIA 3204 , Attribute: Writing Lat 920 independent readings in classical latin
 Registration Approval: Instructor. Prerequiliste: IATT 4920. Note: GRK
4220 Special Reading in Classical Greek is available to qualified sudents through the Classics professor. May be repeated for credit up to 10 credits.

## CLASSICAL CULTURE Courses

CLA 2100 ANCIENT CIVIIIIZATION (5) Surveys Medilerranean history from early Egypt and Mesopotamia to the decline of the Roman Empire. Course Equivalent: HIS 2100 .
CLA 3104 SURVI OF ANCENT GREEK
CLA 3104 SIRVEY OF ANCIENT GREEK LTERATURE (5) Surveys the chronological development of Greek poetty and prose in ils social context. Enables hes stadent to appreciate great hierary emphasis on literary analysis and critical theory. Taught in English. Offered alternate years. Surveys the chronological development of Latiin poetry and prose in it social context. Enables the student to apprectate geal Iterary works continuing inspiration to European writerss. Special enphasis on
literary themes and influence. Taught in English. Offered alternate years. Course Equivalent: LAT 3204 . Atribute: Writing Course. CLA 3250 THE ANCIENT NEAR EAST (5) Studies the preclassical civilizations of Egypt, Mesopotamia and Western Asia
emphasizing the peoples and land relevant to old Testament history Offered alternate years. Course Equivalent: HIS 3150 .
CLIA 3770 CLASSICAL CIVIIIZATION (5) Explores history, CLA 3770 CLASSICAL CIVILIIZATION (5) Explores history,
literature and society of classical Greece and Rome stressing literature and society of classical Greece and Rome stressing
contributions to modern Western civilization. Offered alternate years. Course Equivalent: HIS 3170 . CCAL 4920 DIRECTED READINGS IN CLASSICAL LTTERA-
TURE (1-5) Registration Approval: Independent Study Agreement. TURE (1-5) Registration Approval: Independent Study Agreement.
Prerequisites: CIA 3770 . May be repeated for credit up to 15 credits.

## CLASSICAL GREEK Courses

GRK 2001 ELLEMENTARY Classical greek i (3) Registration Approval: Instructor. Prerecquisite: competency in a
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 needed for a working vocabulary.
needed for a working vocabulary.
GRK 2002 RLEMENTARY CLASSICAL GREEK II (3) Registration Approval: Instructor. Prerequisite: GRK 2001 or permission of instructor. This course continues into more complicated
grammar and syntactical constructions, leading to the ability to read simple prose selections in the original Greek.

## THE C. MAY MARSTON PROFESSORSHIP

 OF CLASSICSC. May Marston served on the faculty of Seattle Pacific for many years, teaching a variety of subjects within the humanities. Sh mentored young faculty members and staunchly upheld the
highest academic standards. To honor her inspiring example 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 current C . May Marston Professor is Dr. Christina Horst Roseman.

## ATIN AMERICAN STUDIES

student-designed)
Kathryn Bartholomew, Contact Person he Latin American Studies major and minor are designed for tucents who wish to specialize in Spanish with a Lating expected to achieve the stated level of language proficiency in Spanish and to have passed the 30 credit base including the Coalition of Christian Colleges semester-long program in Costa Rica or an approved alternative
The Base Course for the Major

## 30 credits)

IIS 3331 History of Spain and Portugal
HIS 3750 Latin America..........................................
HIS 4927* History Internship.
HIS 4920* Readings in History
SBS 4980* $\qquad$
Total
Note: Denotes courses taken during the semester in Costa

## Requirements for the Spanis

Concentration Major
This specialization requires 40 credits of which 25 must be upper-division. This is in addition to the 30 base credits. A minimum of 18 upper-division credits must be in courses and 20th Centuries (3), and SPN 4501 Topics in Latin American Literature (3). 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 minoring in Spanish Sudies, Latin American will completete 10 credits from base requirements and 25 credits from Spanish language courses. A in Spanish, including SPN 3104 Literature Survey: 19th and 20th Centuries (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 heart of the world of business, travel, the arts, and international polititcs. Christianity has important roots in Europe, and today many see Europe as a
field for the challenge and opportunity of evangelization in the 2lst 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, or of a general studies program titled Europe. All programs focus on the language, majors must complete satisfactorily the following major requirements:

1. 21 credits in European Studies courses (see base courses for all majors);
2. 40 credits in one of the six programs listed above: 25 of these credits must be upper-division; for the language rograms a minimm in 18 upper-divion credits mus
3. one quarter of study in Europe with th

Quarter, or an approved alternative
4. a senior paper that integrates learning on Europe (see
. E.S. Symposium);
5. 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.

All majors are expected to attend an annual spring Language Camp or Language Blitz where there is opportunity to speak European languages, see foreign films, taste foreign foods, and often participate.
The European Quarter is a SPU sponsored study abroad program held autumn or spring quarters. Sites vary, depending
on faculty leadership, but participants meet the expectations of a quarter's study in Europe both academically, earning 12 a quarter's study in Europe both academically, earning 1
anguage/culture connection
udents, and professional staff at the 1 a gathering of faculty resentation of academic and creative work on the "Euro experience." All European Studies major's must make a
resentation in the Symposium before graduation
The Base Courses for All Majors

## 21 credits)

EUR 1110 Heritage of Europe EUR 3000 European Quarter Orientation

EUR 3500 European Civilization or 5 credits from the SPU sponsored programs in
UR 4250 Contemporary Europen
sonalities. ...............
Total
..................
adents should note that EUR 3000 European Quarter Orientation (1) is a prerequisite for EUR 3500 and that EUR FUR 3500 as a

## EUROPEAN STUDIES Courses

RUR 1110 HERTITAGE OF EUROPE (5) Introduction to the churech and wom's LUSS 3000 EUROPEAN QUARTER ORIENTATION (1) Prepares students intellectually, emotionally, spiritually and ractically for an extended study program in other culttures. Gives
students a general background in the basic concepts of intercultura communication, including how to make cultural comparisons, ho to recognize and cope with culture shock, and how to cormmunicat vith people of another culture.
ur 3100 FOUNDATIONS OF EUROPEAN art (2) Provides brief survey of major periods in European art and architecture roginessing with sigroughificant works from the Greco-Roman period and
bur 3247 Classics of eastern ediropean literature with particuivir trantlatedt texts of select literary classics of East Europe, Includes the work of Tosstoy, Dostoyevski, and Chekhov in light of earlier models of an Eastern tradition. Attribute: Writing Course.
EUR 3500 . Travel Studies Form. (Offered in Europe) Provides (edsisuation Approval: of Europe and an on-site practicum This couse examines contemporary Europe as part of the European Quatrer Abroad, with special atention to 2 hristian perspective on the historical growth of European cultures. The language skills acquired by students are demonstrated in intensive Lr 3950 RUROPEAN SR
EUR 4250 CONTEMPORARY EUROPEAN ISSUES AND PERSONALITIES (3) The heritage of Europe will be the framework within which contemporary European issues and personalitites will be interpreted. A key component of the class is the research project
will relate to the student's language concentration and special interests. Class not open to: Freshmen and Sophomores. EUR 4254 TRANSLATIIN ( 3) Prerequisite: working fluency in at least one language besides English. Theory and practice of
translating, with attention to accuracy and nuances of style. UUR 4920 DIRECTED READINGS AND RESEARCH (1-5) Registration Approval: Independent Study Agreement. May be repeated or credit up to 10 credits.
Registration Approval. Registration Approval: Travel Studies Form. Taught in Europe only.
EUR 4930 TUTORIAL PRACTICUM (1-3) Registration Approval Instructor. For advanced students who wish to assist as discussion leaders and graders in courses under the heading of EUR 4950 SPECIAL TOPICS (1-5) Focuses on different topics relatiting to the languages and cultures of Burope. . Topicis to be
announced in the schedule of classes.) May ee repeated for credit $u$. announced il
EUR 4951 SPECIAL TOPICS (1-5) Registration Approval: Trave tudies Form. Focuses on different topics relating to the languages d cultures of Europe. Taught in Europe only.

## EUROPE PROGRAM REQUIREMENTS

Michael Macdonald, Contact Person
European Studies major/Europe program requires 40 credits course credits and the other maior requirements listed above. European history and political science courses................ 15
LIN 2100 Foundations of Language Study .................. 3 $\ldots . . . . . . . . . .3$ Art, music, or theater courses Elective courses* $\cdots+\cdots+\frac{19}{40}$
*Note: Elective credils are to be chosen in consultation with he student's advisor from courses in foreign language iterature in translation, or additional courses from the areas listed above.
Requirements for the European Studies Minor
(minimum of 33 credits; minimum of 15 upper-division)
UR 3247 Classics of Eastern European Literature............ 5 UR 3500 European Civilization UUR 4250 Contemporary European Issues
and Personalitites.
odern European language course
Dther European Studies courses
Other Eu
$\begin{array}{r}. . . . . .3 \\ \cdots \\ \cdots . . .15 \\ \hline\end{array}$

## FRENCH PROGRAM REQUIREMENT

Marilyn Severson, Contact Person A European Studies major/French 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
minimum of 18 upper-division credits must be in courses minimum of 18 up
taught in French.

Requirements for the French Studies Minor The minimum regurement for a minor in French studies is 33 credits, of which a minimum of 15 must be upper-division. Each student minoring in French studies will complete 8 credits from courses with a European studies prefix and 25 credits from French language courses. A minimum of 7 upper-division redits must be in courses taught in French

## FRENCH Courses

FRE 1100 ELLEMENTARY PRENCH (1-5) Registration Approval: ravel Studies Form. Elementary French in France Study Abroad Program or in European Quarter. May be repeated for credit up to 5
rRE 1101 ELEMENTARY FRENCH I (5) Builds confidence in the four basic skillss understanding, speaking, reading, and writing in French language. Invesigites feench cure and its relation
FRE 1102 ELEMENTARY FRENCH II (5) Prerequisite: FRE 101 or permission of instructor: Builds confidence in the four basic kills: understanding, speaking, reading, and writing in the French language. Investigates French culture and its reationship to the
anguage.
FRE 1103 ELEMENTARY FRENCH III (5) Prerequisite: FRE
cot or permission of instructor. Builds confidence in the four basic 1102 or permission of instructor: Builds confidence in the four basic dills: understanding, speaking, reading, and writing in the French language.
RE 2100 INTERMEDIATE FRENCH (1-5) Registration pproval: Travel Studies Form. Intermediate French in France Stud broad Program
FRE 2101 NIVEAU INTERMEDIAIRE (5) Prerequisite: FRE 103 or permission of instructor. Investigates French a ttititudes toward he future and diliemmas of change in modern Europe, and considel structure.
FRE 2102 NIVEAU INTERMEDIAIRE (5) Prerequisite: FRE 103 or permission of instructor. Investigates the issues of faith and anguage structure.
RRL 2103 NIVEAU INTERMEDIAIRE (5) Prerequisite: FRE
103 or permission of instructor. Introduceser literary studies in the
.ench radition; selections and genres vary according to faculty
tudent interests; incluces a review of language strucurure.
rrave Suddies Form. Advanced French in France Sudy Abroad Program o in European Quarter. May be repeated for credit up to 5 creditis.
FRE 3205 IOPICS IN FRENCH LTTERATURE (5) Considers themes in French literature illustrated in works chosen from different enres and periods. Taught in English but students speciailizing in the rench concentration or working on a French minor will do some reading and writing assignments in French and attend one session per
week conducted in French. Offered alternate years. May be repeated for credit 1 time.
RE 3250 LA FRANCE ET LE MONDE (3) Considers how France views Europe and the world and her role therein. Directs rench life and action. Uses French as the language for research ecture and discussion. Offered alternate years. May be repeated for rediti 1 time
RE 3260 LES ARTS fRANCAIS (3) Explores painting culppure, 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 TRE 4460 IA LITTERATURE FRANCAISE-DU MOVEN AGE AU 18E SIECLE (3) Presents landmark works in French literature
from the Middle Ages to the Revolution. Includes consideration of genres, themes and social/historical backgrounds of the selections studied, Uses French as the language for research, lecture and discassion. Mifered a
AAtribut: Writing Co
FRE 461 IA IIT
FRE 4461 la litterature francaise-du 19e et du 20E SIECLLES (3) Examines important works by French authors of the 19 th and 20 th centuries in the context of literary and philosophi-
cal 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 tepeated for creadit t time. different topics relating to the language and culture of France. Uses French as the language of research, lecture and discussion. (Topics to French as the language of research, ecture and iscsussion. ( lopics to be repeated for credit 1 time.
FRE 4920 INDEPENDENT READINGS IN FRENCH (1-5)
Registration Approval: Independent Study Agreement. May be repeate Registration Approval: In
for credit up to 10 credits.
FRE 4930 RRENCH TUTORIAL PRACTICUM (1-6) Registration Approval: Instructor. For advanced sudends who wish to
assist ad discopssion leadert and readers in 1000 level French classes assis as discussion leaders and readers in in

## GERMAN PROGRAM REQUIREMENT

Michael Ziemann, Contact Person
A European Studies major/German program requires 40 credit of which 25 must be upper-division, in addition to the 21 base 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 minoring in German studies will complete 8 credits in courses with a European studies preefix and 25 credis from German language courses. 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 (1-2) Registration repeated for credit up to 2 credits.
GER 1101 LLEMENITARY GERMAN 1 (5) Builds conficience in he four basic skills: understanding, speaking, reading, and writing relationship to the language.
GER 1102 ELLEMETHARY GERMAN II (5) Prerequisite: GER 101 or permission of instructor. Builds confidence in the four basis anguage. Investigates German culture and its relationship to the language.
GER 1103 ELEMENTARY GERMAN UII (5) Prerequisite: GER 1102 or permission of instructor. Builds confidience in the four basic
skills: understanding, speaking, reading and writing in the German , GER 2100 INTERMEDIATE GERMAN (1-2) Registration pproval: 'Travel Studies Form. European Quarter only. May be repeated for credit up to 2 creditit.
gER 2101 DAS ZWEETE JAAR (5) Prerequisite: GER 1103 o permission of instructor. Investigates German attitudes toward the future and dileminas ochange in modern Europe. Includes review of German language structure supporting the readings.
GER 2102 DAS ZWEITE JAHR (5) Prerequiste: GER 1103 or permision of instructor. Investigates the issues of faith and values in German national life and in literature. Includes a review of German language structur supporing the readings permission of instructor. Introduces ilterary studies in the German peinition. Selections and genres vary according to faculty and student
tradit) interest. Incl
the readings. adinanced german (1-2) Registration Approval Travel Studies Form. European Quarter only. May be repeated for creditit 4 to 2 credits.
GER 3206 ropics
GRE 3206 TOPICS IN GERMAN LANGUAGE AND LITERATURE (5) Considers themes in German language and literature iliustrated in worlss chosen from but studentiferent specializing in the German and concencentration or working on a German minor will do some reading and writing German. Offered alternate years. May be repeated for credit 1 time. GER 3250 EUROPA UND DAS WELTTBiLD DER DEUTSCHEN (3) Repistration Approval: Instructor. Consicers how Germany yiews the linguistic and cultural values inherent in German life and action. Uses German as the language for research, lecture and discussion. Offered alternate years. May be repeated for credit 1 time.
GER $\mathbf{3 2 6 0}$ DIE DEUTSCHEN KUENSTE (3) Explore
sculpture, architecture, music and theater in Germany with the intention of bringing out the interaction of these arts with each other, history and language. Uses German as the language for research, lecture and dis
credit 1 time.
 ZUR ROMANTIK (3) Presents landmark works in German literature from the Middale Ages to the Romantic period. Emphasis wil Le placed on Minnesang, Reformation wiwis, the Baroque and on Lessing, Schiller, and Goethe: Includes consideration of gentes,
themes and social hhistorical backgrounds for the selections studie
Lese Usec German as the language for researct, lecture and discussion. Offered alternate years, May be repeated for credit 1 time.
GER 4461 DIE DEUTSCHR LTTERATUR DES 19. UND 20. JAHRHUNDERTS (3) Examines important works by German authors of the 19 th and 20 th centuries in the context of 1 iterary and
philosophical movements. Pays close attention to the effect of philosophical movements. Pays close attention to the effect of Gistorical events and cultural changes on the evolution of values. Uses alternate years. May be repeated for credit 1 time.
GER 4470 SPEZIELLE STUDIEN AUR DEI
GER 44470 SPEZZELLE STUDIEN AUF DEUTSCH (3) Focuses On different topicis relating to the language and culture of Germany. Uses German as the language or research, ecture and discussion.
Topics to be announced in the schedule of classes. offered alternate years. May be repeated for creditit time.
GER 49: Independent Study Agreement May be Registration Approval: Independent Study Agreement. May be repeated for
to 10 credits.
GER $\mathbf{4 3 0}$ GERMAN TUTORIAL PRACTICUM (1-6) GER 4930 GERMAN TUTORIAL PRACTICUM (1-6)
Registration Aproval: Instructor. For advanced students who wit Registration Approval: Instrancr. May be repeated for credit up to 6 credilis.

## LATIN PROGRAM REQUIREMENTS

Christina H. Roseman, Contact Person European Studies major/Latin 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. A CLA 3104, 3204 and 3770 are required and can be included in the total number of credits.

Requirements for the Latin Studies Minor he minimum requirement for a minor in Latin studies is 3 (e.g., CIA 3204; EUR 3247, 5500, 4250; LAT' 4920). Each tudent minoring in Latin studies will complete 8 credits from base requirements for the European studies major and a total of 0 credits in the Latin language.

Note: Latin is taught alternate years. For course listings see under Classics.

## RUSSIAN PROGRAM REQUIREMENTS

Frank Leddusire, Contact Person
A European Studies major/Russian program requires 40 credits, course credits and the other maior requirements lo the 21 base in addition, majors must take HIS 3345 Modern Russia (5).

## Requirements for the Russian Studie

 MinorThe 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 8 credits from courses with a
European studies prefix; 5 credits in Russian history (HIS European studies prefix; ; credits in Russian history (HIS
3345 , and at least 20 credits from Russian language course

## RUSSIAN Courses

rus 1100 elementary russian (1-2) Registrati pproval: Travel Studies Form. Esropean (uarter only. four basic skills: understanding, speaking, reading, and writing in the Russian language. Investigates Russian culture and its relationship to the anguage, as well
RUS 2105 BEGINING RUSSIAN II (5) Prerequisite: RUS 2100 or permission of instructor. Provides continued practice in reading, riting, understanding and RUS 2106 BEGINNING RUSSIAN III (5) Prerequisite: RUS 2105 r permission of instructor. A review of Russian pronounciation and rammar, with an emphasis on vocabulary building through reading reading two Chelove stories
reading two Chekov stories.
RUS 3100 INTERMEDIATE RUSSIAN (3) Prerequisite: RUS 2106 or permission of instructor. A review of the Russian case system, and word growth through anecdotes and stories,
(1-2) Regitration Approval: Travel Studies Form. European Quarter only.
Rerission RUSSKII JAZYK (3) Prerequisite: RUS 2106 or permission of instructor. A review of the Russisian verb system and vord-growth through issues of faith in Russian culture.
RUS $\mathbf{3 2 0 7}$ Russian writers ( $\mathbf{3}$ ) Sudice themes literature. Taught in English with readings in Russian for Russian majors. May be repeated for credit 1 time. RU'S 3300 RUSSKIL JAZYK (3) Prerequisite: RUS 2106 or hought and word-growth through great writers. RUS 3920 INDEPENDENT READINGS: INTERMEDIAT RUSSIAN (1-5) Registration Approval: Independent Study Agreement. May be repeated for credit up to 10 credits.
RUS 4100 RUSSKAIA KUITURA (2-3) Prerequiste: RUS 2106 or permission of instructor. A survey of Russian historical periods by reading excerpts and stories.
nUS 4200 RUSSKAIA KULIURA (3) Prerequisite: RUS 2106 or reading shortstorics or. A study of the issues of faith and culture b reading short stories or plays that relatet to belief and doubt. permission of instructo $\operatorname{\text {KULTURA}}$ (3) Prerequisite: RUS 2106 or and vocabulary. Readings and discussions will focus on a masterpiece

US 4920 INDEPENDENT READINGS: ADVANCED RUSSIA peated for creditit up to 10 credits.
egistration Adproval: Invtrurtar PRACTICUM (1-6)
Regisistration Approval: Instructor. For addvanced students who wish to
instruction and conduct specific cultural research. May be repeated for credit up to 6 creditis.

## SPANISH PROGRAM REQUIREMENTS

Kathryn Bartholomew, Contact Person A European Studies major/Spanish program requires 40 credits, of which 25 must be upper-division, in addition to the 21 base Curse creatits and the other major requirements listed above. minimum of 18 upper-division credits must be in courses IIS 3750 Latin America (5) and HIS 3331 History of Spain and ortugal (5), are required and can be included in the total credits.

## Requirements for the Spanish Studies

 Minorhe minimum requirement for a minor in Spanish studies is 33 credits, of which a minimum of 15 must be upper-division. ach student minoring in Spanish studies will complete 8 credits from courses with a European studies prefix or HIS 3331
and HIS 3750 and 25 credits of Spanish language courses. 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 only.
SPN 1101 ELEMENTARY SPANISH I (5) Develops skill in anderstanding, speaking, reading, and writing the Spanish langua PN 1102 ELEMENTARY SPANISH II (5) Registration pproval: Instructor: Prerequisite: SPN 1101 or equivalent. Develops il in undertanding, speaking, reading, and writing the Spanish nguage. SPN 1103 ELEMENTARY SPANISH III (5) Registration Approval: Instructor. Prerequusite: SPN 1102 or equivalent. Develops ill in understanding, speaking, reading, and writing the Spanish
anguage. $\operatorname{SPN} 2100$ INTERMEDIATE SPANISH (1-5) Registration pproval. Tave Stadies Fom. . SPApean (uarter only. 103 or equivalent A review of Spanish language structure wist with mphasis on progress towards communicative competence and growth understanding and appreciation of the culture of the Hispanic
WPN 2102 INTERMEDIATE SPANISH II (5) Prerequisite: SP
103 or equivalent. A review of Spanish language structure, with emphasis on progress towards communicative competence and growth understanding and appreciation of the culture of the Hispanic Pind 2103 INTroduction to titerature 103 or equivalent. A review of Spanish Ianguage structure, with mphasis on progress towards communicative competence and growth world, introduction to ititerature.
PN 3100 ADVANCED SPANISH ( $1-5$ ) Registration Approval: ravel Studies Form. European quarter only. $\qquad$ PN 3101 ADVANCED SPANISH (2) Prerecuisite: SPN 2103 or quivalent. A systematic review of Spanish grammar', with atten SPN 3104 LITTERATURE SURVEY: 19 TH AND $20 T \mathrm{TH}$ ENTURY (3) Examines works of major 19th and 20th century deologgies and values. Taught in Spanish and occasionally offereed in English. offered alternate years.

SPN 3105 LITERATURE SURVEY: GOLDEN AGE (3) Mystic pimes, Taught in Spanish and occasionally in English. offered alte 1 ale years. Attribute: Writing Course.
SPN 3106 ITERATURE SURYEY: MIDDLE AGES (3) Examines the earliest writings in Spanish, including epic poetry, prose, anc lyric poeity, mighgh of the Medieval Spanish world view SPN 4401 TOPICS IN SPANISH ITTERATURE (3) Regit Approval: Instructor. Emphasis varies from quarter to quarter. Taugh in Spanish and occasionally in English. Offered alternate years. May SPN 4501 TOPICS IN IA
SPN 4501 TOPICS IN LATIN AMERICAN LITERATURE (3) Registration Approval: Instructor. Emphasis varies from quarter to
quarter, Taughtit in Spanish and occasionally in English. Offered alternate years. May be repeated for creditit 1 time.
SPN 4920 INDEPENDENT READIIGS SPANISH (1-5) Registration Approval: Independent Study Agreement. May be repeat for credit up to 10 credits. SPN 4921 INDEPENDENT READINGS SPANISH (9) Registration Approval: Travel Studies Form. Taught in Latin America
Studies program in Costa Rica SPN 4930 SPANISH TUTORIAL PRACTICUM (1-3) Registration Approval: Instructor. For advanced students who wish to assist tin 1000 level Spanish classes. May be repeated for credit up to 6 credits.

## LINGUISTICS

Kathryn Bartholomew, Contact Person, Frank Leddusire, Luke Reinsma, Debra Sequeira, Michael Zieman Linguistics reflects on the nature of language itself and on human beings as creators and users of language. Students of linguistics generally prepare themselves to enter professional fields as translators, literacy specialists, teachers of English as a and secondary school teachers. Studies focus on the systems of language-sound, meaning, and phrase and sentence structure, both in the present and through time.

## Requirements for the Minor

(minimum of 30 credits; minimum of 15 upper-division)
LIN 2100 Foundations of Language Study
LIN 4100 Phonology.
LIN 4400 Comparative Syntax
LIN 4410 Transformational Syi
Select 15 credits from the following courses:
LIN 4365 Methodology of Foreign Lang: Teaching (3)
LIN 4450 Pragmatics and Semantics (5)
LIN $4601 *$ History of English (3)
LIN $4600^{*}$ History of English (3)
LIN 4920 Directed Readings (1-10)
EdRd 3529 Child Language Acquisition (3)
PSY 4415 Cognitive Learning (5) .....

## $\underset{ }{\text { Total }}$

*LIN 4601 (History of English) is strongl.......................................... Englisb majors.

## LINGUISTICS Courses

LIN 2100 FOUNDATIONS OR LANGUAGE STUDY (3) Develops conceptuai so sfor understanding the nature and the pragmatics. Personal and professional attitudes toward the world of language are re-examined. This course is also offered via media.
LIN $\mathbf{4 1 4 5}$ PHONOLOGY (3) A thorough study of sound systems LIN 4145 PHONOLOGY (3) A thorough study of sound systems and processes, with problem-
English and other languages

IIN 4150 MORPHOLOGY (3) A thorough study of word structures and processes, with problem-solving experience in the analysis of Engilish and other .anguages. LIN 43 ING (3) An overview of the theoretica languag lenguage learning and teaching; definitition and evaluation of communicative competence; strategies tor teaching skills of listening,
 LIN 4400 COMPARATIVE SYNTAX (3) Prerequisite: LIN 2100 or permission of instructor. Provides an intensive investigation into nonEnglish sentence stract lional st IN 4410 TRANSFORMATIONAL SYNTAX (3) Provides an intensive investigation into contemporary Engish sentence structures through an application of transformational syntax. Basic rule-making

## Offered alternate years.

IIN 4450 PRAGMATICS AND SEMANTICS (3) Prerequisite: LiN 2100 or permission of instructor: Examines theories of meaning discourse. HISTORY OF THE ENGLISH LANGUAGE (3) Examines Anglo-Saxon, Middle, and modern forms of English in historical development and indiviviual language systems. Includes phonology, morpholology, syntax, and some discussion of the
relationships of each language stage to iteraray expression during its relaid offered alternate years. Course Equivalent: ENGG 4601.
erai.
IIN 9220 DIRECTED READINGS (1-10) Registration LIN 4922 D DRECTED READINGS ( $1-10$ ) Registration Approval: Indeependents Study Agreement. May be
credits. Class not topen to: Preshmen.
cledits. Class not open to: Preshmen.
LN 430 TUTORIAL PRACICUM (1-3) Registration Approval: Instructor. May be repeated for credit up to 3 credits. Class not open to: Freshmen.
LIN 4950 SPECIAL TOPICS IN LINGUISTICS (1-5) May be repeated for credit up to 5 credits. Class not open to: Freshmen and in 4952 SPECLAL TOPICS in LINGUISTICS (1-5) May be repeated for credit up to 5 credits. Class not open to: Freshmen and repeated for $c$ ceat

## MATHEMATICS

David C. Brooks, Cbair; Janet Buck, Steven Johnson, Robbin O'Leary, Dick Wood
Mathematics offers curricula leading to the Bachelor of Arts and decigned for students interested in mathematics as a liberal arts major and those planning to teach mathematics in secondary chools. The B.S. degree program is designed for students ilanning graduate work or professional careers in mathemat cs. A mathematics education major is also offered for ementary certification. See the School of Education section of

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 prearaStudents deticient in their high school mathematics prepara101, 1112 and 1114 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 1225 he amount of credit given will be decided on an individual basis by the mathematics faculty

WHAT TO TAKE FIRST. In general, students with fou ears of high school mathematics should start with MAT 1225 hose with three years should take MAT 1112 and 1114; and hose with two years should take MAT 1101. However, nathematics faculty will determine where a student should art on the basis of high school record and entrance test score present a sufficiently high score on the math placement test. This test will be administered by the Mathematics Departmen to incoming students during orientation week, and will also be available at the start of each quarter through the Math Lab. The test will be administered to each student once.
COMPUTER USE. Each mathematics student should be amiliar with at least one computer language. Therefore each 1212, or CSC 1230 during his/her first year.
MATH LAB The following courses are available through he MATH LAB: MAT 0120, 0140, 1102, 1103, 1112, 1114. The MATH LAB is open at least four hours daily for student tutoring and testing. These courses do not include a lecture; students
study self-instructional materials, obtain instructional help in he MATH LAB when necessary and take tests in the MATH LAB Since the learning system in the MATH LAB follows a mastery earning approach, students may take more than one exam per unit. (Typically a five credit course consists of 9 units.) The courses MAT 0120 and 0140 are available only through the MATH LAB, while the other courses are also available in regular are sections.
ACTUARIAL SCIENCE. A student interested in becomin conomics. The following mathematics courses should be ncluded: MAT $4361,4362,4725,4830$ and some independen tudy. This provides the foundation for taking exams I, II and II as offered by the Society of Actuaries. Further work in omics is helpful.
major in mathematicc-economicc should consult a mathemat ics advisor for information on a student designed major.

## equirements for the Majo

B.A. PROGRAM. Students planning a major in mathematics or the B.A. degree should take courses MAT 1225, 1226, 1228, 228, $2375,2401,2720$ in the first two years. The major wil

1. Liberal Arts. This requires MAT $3441,3750,3751$
$4402,4403,4915$ and 9 additional credits in courses
numbered 3000-4999.
2. Teaching. This sequires courses MAT 3441,3750
$3751,4402,4403,4930,4415$ and 8 additional credits in ourses numbered $3000-4999$. In each option MAT 4830
is strongly recommended.
B.S. PROGRAM. Students planning a major in mathematics for the B.S. degree should take MAT' $1225,1226,1228,2228$, $2375,2401,2720$ in the first two years. The major will be completed by taking 38 credits in courses numbered $3000-4999$ redit in 4915 . Courses 4361,4362 and 4830 are strong ecommended.
Fifteen credits in related approved courses in which mathematics is applied are also required. A grade-point verage of 2.50 must be maintained for all mathematics ourses. Students planning graduate work in mathematics ar upper-division program and to acquire a reading knowledge of rench, German or Russian.

## Requirements for the Minor

students planning a minor in mathematics should take MAT $225,1226,2401,2720$ and 2375 or 2228 . The minor will be 350 and 4402 are strongly recomal credits numbered $3000-4999$ 350 and 4402 are strongly recommended for all minors and naximum of 3 credits in 4904 or 4930 may he applied

## MATHEMATICS Courses

mat 0120 ARITHMETIC REview (1-6) Studies the need review and the course is indidividualized to thoses needs. . Credits in his course do not apply toward graduation requirements. (Offered only in the Math Lab.) May be repeated for credit $u p$ to 6 credits. AT 0140 INTRODUCTORX ALGEBRA (3) Explores sets, expressions, graphing, and word problems. Credits in this course do not apply toward graduation requirements. (offered only in the Math MAT 1101 INTERMEDIATE ALGEBRA (5) Studies linear an uadrattc equations and inequalities, exponenents, radicals and xpression
ATT 1102 INTERMEDIATE ALGEBRA I (3) Studies linear expressions, radicals and exponents. This is the first portion of MAT 101 and credit cannot be received for taking both courses. (Offered MAT 1103 INTERMEDIATE ALGEBRA II (2) Explores system f equations, quadratic equations and inequalities, exponential unctions and logarithms. This is the second portion of Math 1101 and credit cannot be received for taking both courses. (Offered only in AT Math Lab.
gebraic, circular and tri TRIGONOMETRY (5) Explores nequalities. Credit cannot be receelived for this course if MAT 1112 or AT 1114 has been tannol
MaT 1112 COLLEGE ALGEBRA (3) Explores inequalites and a portion of MAT 1110; credit canot pe peceived for taking both ourses. (Offered only in Math Lab.)
Arcular and trigonomemeric functions Studies the development of tigonometric equations and identitites. This is a portion of MAT 111 redit cannot be received for taking both courses. (offered only in

MAT 1221 SURVEY OF CALCULUS (5) Preequisiste: MAT 110 rits equivalent and passing score on Mathematics Placement Test. applications-oriented course with an intuitive approach including ntroduction 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, no can credit be received if 1225 or its equivalent has been taken.
MAT 1225 CALCULUS (5) Prerequisite: MAT 1110 or 1112-111 nd passing score on Mathematics Placement T Test. Explores ariables. Sequence begins both autumn and winter. AT 1226 CALCLLUS (5) Prerequisite: MAT 1225. Explores ffferential and integral calculus of functions of one or more MAT 1228 SERIES AND DIFFERENTIAL EO reerequisite: MAT 1226. Studies infinite series, general solutions of hear and certain non-linear differential equations, solutions of rstems of differential equations, and series solutions:
assing score on Mathematics Competency Exim (5) Prereguist AAT 0120; MAT 0140 or MAT 1102 or equivalent. Explores descrivit' satisticc, elementary probability, binomial and normal distribibutiont correlation. Course Equivalent BUS 1360 .
MAT 1521 INTRODUCTION TO CONTEMPORARY MATH: EMATICS (5) Prerequisite: MAT 1101 or its equivalent. Explores? ppics which illustrate how mathematical methods and modeds permeate our economic, political and personal lives. By investigation
of diverse applications, avariety of problem-solving techniques willit introduced, including using the computer as a tool. LAT 1720 MATHEMATICS FOR COMPUTER SCIENCE (5) recequisiste: MAT 1360,1221 or 1225 ; two of the three strongly techniques, linear algebra, equation solving, linear programming a networks.
MAT 2228 MULTTVARIABLE CALCULLS (3) Prerequisiste: Mi 1206, 2401 . Studies vectors and analytic geometry
MAT 2375 PROBABILITY THEORY (3) Prerequisite: MAT 122 Studies combinatorial methods, elementary probability, random values and moments, and central limit theorem.
MAT 2401 LINEAR ALGEBRA (3) Prerequisiste: MAT 1226. MAT 2530 SURYEY OF MATEMATICS I (3) Pers. Completion of Phase I program: EDU 3104, 1205 and 3106. Includes the study of sets, numeration systemis, arithmetic, algebra, number theory, probability and statistics and relates topics to the elementary school mathematics curriculum. Avaliable for general education
credit only to students in elementary education. Class not open to Freshmen.
MAT 2531 SURVEY OF MATHEMATICS II (2) Prerequisite: MAT 2531 SURVEY OF MATHEMATICS II (2) Prerequisite
MAT 2530 completed with a grade of C - br better. Includes topics fro MAT 2533 completeted with a arade of C C or beterer. Includes topich
geometry and measurement, and relates topics to the elementary school mathematics curriculum. Available for general education credit only to students in elementary education. Class not open to: Freshmen.
MAT 2720 MAT 2720 DISCRETE MATHEMATICS (3) Prerequisite: MAT 1226. Studies sets, logic, Boolean Algebra, relations, functions, and
graphs.
MAT 3401 NUMBER THEORY (3) Prerequisites: MAT 1228, 2401, 2720. Studies topics of classical number theory including MAT 3441 GEOMETRY (3) Preerequisite: MAT 3750. Surveys foundations of Euclidean, non-Euclidean, and projective geometries.
MAT 3724 APPLIED ANALYSIS (3) Prerequisite: MAT 1228 and MAT 3724 APPLIED ANALYSIS (3) Prerequisitit: MAT 1228 and 222. Studies vector analysis, Fourier series, partial differential MAT 3725 APPLIED ANALYSIS ( 3 ) Prerequisite: MAT 3724.
Studie 2 ector Studies vector analysis, Fourier series, partial differential equations,
boundary value problems, and special functions. offered alternate
years.
MAT
3730 COMPIEX VARIABLIES (3) Prerequisites: MAT 1228 2228. Studies theory and applications of complex variables; analytic s. offered alternate

MAT 3750 INTRODUCTION TO REAL ANALYSIS (3) rerequisites: MAT 1228, 2401, 2720. Explores finite and infinite sets, set algebra, well-ordered sets, real numbers, topology of the real line and plane, functions, limits, continuity, differentiation, the Rieman MAT 3751 INTRODUCTION TO REAL ANALYSIS ( 3 rerequisites: MAT 3750. Explores finite and infinite sets, set algebra well-ordered sets, real numbers, toploogy of the real ine and plane, functions, ilmits, coninuity, diferentiation, the Riemann-Stieties AT 4361 MATHEMATICAL STATISTICS (3) Prerequisites: MAT 1228, 2228, 2375. Survers continuous probability distribution ampling, estimating parameters, and testing hypotheses. offered lernate years. T 4362 Mathematical statistics (3) Prerequisites. MAT 4361. Surveys continuous probabiilty distributions, sampling,
estimating parameters, and testing hypotheses. Offered alternate years

AT 4402 MODERN ALGEBRA (3) Prerequisites: MAT 3750 ,utries ale Writing Course. nudies algebraic structures including groups, rings, and fields. Itribute: Writing Course. HOUGHT (3) Prerequisites: MAT 3750, 4403 . Investigates the ideas,
not open to Freshmen and Sophomores.
MTT 4725 NUMERICAL ANALISIS (5) Prerequisites: MAT 122 HAT 4725 NUMERICAL ANALSSIS (5) Prerequisites. MAT dulutions of differential equations, interpolation, approximations, an aleded ippics. Offered alternate years.
IAT 4830 MATHEMATICAL MODBLING (5) Prerequisites: AT 1228, 2228, 2375, 2720 and knowledge of a computer languag poblems in the real world. The problems will be chosen from a
thernate years.
 redits in upper-division mathematics. May be repeated for credit up 6 credits. Class not open to: Freshmen and Sophomores. Arent interest through student reports. May be repeated for credit 5 mes. Class not open to: Freshmen and Sophomores. AT 4915 SENIOR PROBLEMS SEMINAR (1) Class not open to: Freshmen, Sophomores and Juniors. Aprovolal: Instructor. Practical experience in the Math Lab. May be speated for credit up to 4 credis. Clas not opent $t 0$ : Freshmen Sophomores. egistration Approval: Department facully advisor. Provides a significann learning experience to be obtained in a closely supervised
work-sudy program. May be repeated for credit up to 15 credits. Class ork-study program. May be repeated for credit up 1015 credits. Cla not open to: Freshmen, Sophomores and Juniors. e repeated for credit up to 6 credits. Class not open to: Freshmen and sphomores.

## MUSIC

## David Anderson, Myrna Capp, James

 Denman, Eric Hanson, Ramona Holmes, Wayne Johnson, Jerry Piger, Wadad Saba,
## chard Skerlong, Rae Terpenning

ernon Wicker
he purpose of the music program is threefold: (1) to provide a liberal arts education, (2) to provide majors in music
pportunity to develop basic musicianship and performance (3) to appropriate to the various emphases in the degree, and (3) to recognize the
other creative arts.
ind institutional member of the National Association of Schools of Music.

## Career Opportunitie

tadents majoring in music have the advantage of a strong music major within a liberal arts setting. Students majoring in nusic education are prepared to teach music in the elementary o use their gifts as performers and as private studio teachers. ther programs prepare students for advanced study in performance and theory and literature.

## Music Ensemble Opportunities

Many music ensembles are availiable to SPU students. In the courso listings, ensembles are in the $2000 / 4000$ series and course descriptions and requirements may be found there. All ensemble courses carry regular Univesity credit and most require an auditio ar permission of the instructor for enrollment.

## GENERAL REQUIREM

MAJORS ( 48 credits) MUS 1102 Musicianship I: Materials and Structure .. MUS 1103 Musicianship I: Materials and Structure .. MUS 2101 Musicianship II: Materiais and Structure.. 4 MUS 2102 Musicianship II: Materials and Structure.. MUS 2103 Musicianship II: Materials and Structure.. 4 MUS 2601 Survey of Music Literature I MUS 2603 Survey of Music Literature
B. Individual Instruction: A minimum of 6 credits of
individual instruction in a major performance area.
C. Piano proficiency is required by the junior year. Students who are enrolled in Musicianship Ior II and who are
identified by the theory instructor as needing remedial keyboard skills may be required to enroll in MUS 1254,12 or 1256 until the keyboard proficiency exam (required of all music majors) is passed.
D. Ensemble: All music majors are required to be in a larg conducted ensemble each quarter in full-time residence. Participation in ensembles is optional in the quarter in
which a recital or internship is scheduled.
wh (PPA, theatre, visual arts).

Additional Specific Requirements for the Music Degree with Selected Emphases

## I. B.A. in MUSIC

## ING EMPHASIS

In addition to the basic music major courses, music education majors must complete the music education core and select a track of teaching emphasis and an area of musical performance from the requirements listed below. Other requirements are as follows:

Music education majors in the Combined Vocal/Choral and Instrumental Emphasis must earn credits in both choral

- In addition to piano proficiency, every music education
major must meet guitar proficiencies.
- Every music education major must complete two (2)
upper-division courses from the music major core.
Anyone majoring in K-12 music education also must
complete education courses and sudent internship. requirements in School of Education section of the Catalog
A. Music Education Core

MUS 2250 Foundations of Music Education ...

MUS 4655 Context Studies in Music: World Music ......
B. Teaching Emphasis

Select from the following options

1. Combined Vocal/Choral and Instrumental Emphasis
Combined Vocal/Choraa and Instrumental Emphasis
MUS 1260 Beginning Voice* .............................. 1
MUS 2501 Brass Techniques............................ MUS 2502 Percussion Techniques .............................

MUS 2503 String Techniques
MUS 2504 Woodwind Techni
MUS 2504 Woodwind Technique
MUS 3504 Choral Music Methods s......................... MUS 3505 Instrumental Music
Methods and Materials I......
MUS 3603 Choral Litiare...................................... 2
MUS 3604 Instrumental Literature
MUS 4101 Instrumentation and Orchestration............. 3
MUS 4102 Choral Arranging
MUS 4701 Choral Conducting I............................... 2
MUS 4702 Instrumental Conducting I
${ }^{\text {MIndivividual instruction may }} 4262$ substitute. This will appl. loward Musical Performance.
2. Choral/Vocal Emphasis
a. Instrumental Concepts

MUS 2501 Brass Techniques...
MUS 2502 Percussion Techni,
MUS 2503 String 'Techniques
MUS 2503 String Techniques....
MUS 2504 Woodwind Techniques
MUS 3505 Instrumental Music Methods
and Materials
b. Choral Concepts
................... 2
MUS 3514 Choral Music Methods and Materials I......
MUS 3603 Choral Literature
MUS 4102 Choral Arranging
MUS 4701 Choral Conducting I
MUS 4703 Choral Conducting
c. Vocal Concepts

MUS 2260 Singers Art I
MUS 4262 Socal Pedagogy and Techniques

*Individual vocal instruction may be substituted.
3. Instrumental Emphasis
a. Choral Concepts

MUS 3504 Choral Music Methods and Materials I....... 2
MUS 1260 Beginning Voice
b. Instrumental Concepts

MUS 2502 Percussion Technique
MUS 2503 String Techniques.
MUS 2504 Woodwind Techniques.................
MUS 3505 Instrumental Music Methods
and Materials I.............................

MUS 4101 Instrumentation and Orchestration.....
MUS 4702 Instrumental Conducting I
MUS 4704 Instrumental Conducting II
c. Music Performance
individual instruction rellowing options. The 6 credits of
toward the following mequired by all majors are applied
toward the following minimums:

1. Instrumental: 12 credits minimum of individual instruction, of which 3 credits minimum must be upper division. One half hour recital.
2. Keyboard: 12 credits minimum of individual instruction, of which 3 crediis minimum
division. One half hour recital.
3. Vocal: 9 credits minimum of individual instruction, of which 3 credits mininum must be upper-division. One half hour recital.

## I. B.A. in MUSIC

## RMANCE EMPHASIS

In addition to the general requirements for all music majors, performance majors must complete one of the following three emphases. (Audition is required for entry into any music
performance program and for all individual instruction)
A. Percussion, String, Wind Performance Emphasi 1. Additional required courses: Context Studies in Music
(Select from MUS 4654, 4655, 4656; topics change veariv........................
2. Musical Performance:

Individual instruction........................................... 21
(12 upper-division required)
(12 upper-division required)
 hour senior solo recital
B. Piano Performance Emphasis

1. Additional required courses:

MUS 3506 Piano Pedagogy I. MUS 3507 Piano Pedagogy II... Context Studies in Music ..... 5 , (Select from MUS 4654, 4655, 4656; topics change yearly)
2. Music Performance

Individual instruction .........
(12 upper-division required)
Ensemble
(4 credits of Keyboard............................................... 6 . Accompanying: Al students with an emphasis in piano required to do one hour of studio accompanying per week See complete policy in the Music Handbook.
Recitals: One half hour solo junior and one full hour senior solo recital.
C. Vocal Performance Emphasi

A minimum of 9 quarters of participation in choral/vocal

1. Additional required courses:

MUS 2260, 2261, 2262 The Singer's Art I, II, III........... MUS 4261 Sacred Vocal Repertoir MUS 4262 V al P Context Studies in Music
ect from MUS $4654,4655,465 \%$ topics change wearly) 2. Music Performance:
 Recitals: One half hour junior solo recital and one full hour senior solo recital

## III. B.A. in MUSIC

## PIANO PEDAGOGY EMPHASIS

In addition to the general requirements for all music majors, piano pedagogy majors must complete the following

MUS 3506 Piano Pedagog
MUS 3507 Piano Pedagogy II ........................................................ 2
MUS 3508 Piano Pedagogy III
MUS 3601 Survey of Piano Literature
MUS 4654, 4655,4656 Context Studies in Music.............. 3
MUS 4920 Directing Readings in Piano Pedagogy
MUS 4960 Special Projects in Music. $\ldots . . . . . .1$

PSY 3460 Child Developmental Psychology B. Music Performance

Minimum ind vicual instruction........................... 6 cemble

## v. B.A. in MUSIC -

## BEORY AND IITERATURE EMPHASIS

In addition to the general requirements for all music majors, eory and literature majors must complete the additiona equired couce
. Additional required courses
Context Studies in Music ...................................... 12
(Select from MUS 4654, 4655, 4656; topics change yearly) 3. Emphasis Options

MUS 3608 Computer Music Notation ........................... 5
MUS 4100 Composition ........................................ 9 These credits to be distributed over at
culminating in a senior compositio
2. Music Theory and Literature

Context Studies in Music (in addition to those
 (These credits to be distributed over at least 2 quarters and culminating in a senior paper.)
Music Performance
Minimum individual instruction
Ensembles $\qquad$ $\cdots . . . . .9$

## v. B.A. in MUSIC - NO EMPHASIS

- Includes all the general requirements for music majors.
- Upper-division music electives: 25 credits
- A minimum of 70 credits in music of which 25 must be upper-division.


## Requirements for a Music Mino

tudents wishing to pursue a music minor must complete 45 ws of the following requirements.

Sturue
 Ensemble participation
Individual instructio
Music electives
as needed to fulfill the 15 credit upper-diusion University

Application should be made to the Division of Fine Arts. Forms are available in the Division office.
Fees in Applied Music
For fees in applied music see Costs section of the Catalog.

## MUSIC Courses

MLS 1101 MUSICIANSHIP I: MATERIAL AND STRUCTURE 5) Deals with basic musical skills of listening, analysis, improvisaSuddents will participate in lecture and laboratory settings including computer assisted instruction. Students who are enrolled in
Musicianship I and who are identified as needing remedial keyboard leyboard proficiency exam, required of all music majors, is passed Must begin in autumn quarter. Extra fee.
MUS 1102 MUSICIANSHIP I: MATERIAL AND STRUCTURE (5) Prerequisites: MUS 1101. Deals with basic musical skills of
iistening, analysis, writing, improvisation, performance and historica understanding of music. Students will particicitate in lecture and laboratory settings including computer assisted instruction. Students
who are enrolled in Musicianship I and who are identified as needing remedial keyboard skills may be required to enroll in MUS 1254, 125 or 1256 until the keyboard proficiency exam, required of all music
MLS 1103 MUSICIANSHITP I: MATERIAL AND Śtructure (5) Prerequisites: MUS 1101 and 1102. Deals with basic musical skills of listening, analysis, improvisation, writing, performance and historical undderstanding of music. Studentst will participata in lecture
and laboratory settings including and laboratory settings including computer assisted instruction:
Students who are enrolled in Musicicinship $I$ and who are identified needing remedial keyboard skills may be required to enroll in MUS 1254, 1255 or 1256 until the keyboard proficiency exam, required of ill music majors, is passed. Extra fe
with no previous keyboard experience. Abbility to read music is not necessary. Course is designed for the non-music major, and expectations for each student are based on individualal needs. Emphasis is on note-reading, basic theory, chord usage and technical
development. Extra fee. May be repeated for an unlimited number of credits. Class not open to: Music majors and Music Education majors MUS 1251 INTERMEDIATE KEVBOARD CLASS (1-2) For
students with one or two years prior training in piano. Course is students with one or two years prior training in piano. Course is
designed for the non-music major, and expectations for each studen are based on individual needs. Emphasis is on note-reading, basic theory, chord usage, repertoire and technical development. Extra fee. May be repeated for an unlimited number of credits. Class not open to Mus 1252 ADVANCED KEYBOARD CLASS (1-2) For students with more than two years of piano background. Course is designed for the non-music major, and expectations for each student are based on
individual needs: Emphasis is on basic theory, chord usave reperto ndividual needs. Emphasis is on basic theory, chord usage, repertoit and technical development. Extra fee. May be repeated for an
unlimited number of credits. Class not open to: Music Education majors and Music majors.
L 1254 beginning keyboard proficiency (1-2) For students with no previous keyboard experience. Sight-reading,
harmonization, transposing, and technical development will be emphasized in preparation for the piano proficiency test. Restricted to musicic majorn or intended maj ors only. (No extra fee required.) May
be repeated for an unlimited number of credits. Class opento: Music
LUS 1255 INTERMEDIATE KEYBOARD PROFICIENCY (1 2) For students with one or two years prior training in piano. Sightreading, harmonization, transposing, and technical development will
be emphasized in preparation for the piano proficiency test. (No extra
 Class open to: Music majors and Music Edcaction majors.
MUS 1256 ADVANCED KEYBOARD PROFICCENGY (1-2) For students with more than two years of piano background. Sight-
reading, harmonization, transposing, and technical develoment will ceadiug, harmonization, transposing, and technical development will fee required.) May be repeated for an unlimited number of credits. Class open to: Music Education majors and Music majors.
LUS 1260 BEGINNING VOICE CLASS (1) Two class ses per week. Emphasis is on basic vocal technique: breath control, tone placement, diction, stage presence. Music includes stassical, folk and merican musical theatre. Extra fee. May be repeated an unlimited number of times. May be repeated for an unlimited number of credit Approval: Instructor. Prerequisite: 1 credit of MUS 1260 or equivalent. Emphasis is on developing vocal technique through the use of vocalises and art songs. Extra eee. May be repeated an unimimited
number of times. May be repeated for an unlimited number of credits.
MUS 1270 BEGINVING FOIK GUITAR (1) ntrod MUS 1270 BEGINNING FOLK GUITAR (1) Introduction to folk syle guitar playing. May be taken by music education majors to meet mes. May be repeated for an mayle rimepeated an unl imited number MUS 1271 INTERMEDIATE FOLK GUITAR (1) Prerequisite IUS 1270 . Extra fee. May be repeated for credit 3 times. MUSIG (5) LAgudage ade h ina URE OF WESTERN Erminology and form. Emphasis is placed on listening to and understanding musical style in western art music. Class not open to usic majors.

MUS 2101 MUSICIANSHIP II: MATERIALS AND STRUCURE (4) Prerequisite: MUSS 1103 . Continued integrated study of usstal elements as in Musicianship I emphasizing chromatic tion, aural dictation, improvisation, use of technology and anaslysis will bedeveloped. Emphasisis is on, developing undestanding of and
compositional experience with larger musical forms. Students who compositional experience with larger musical forms. Students who
are enroleded in Musicianship II and who rare identified as needing are enrolied in Musicianship II and who are identitied as neeciing
remedial keyboard skills may be required to enroll in M MUS 1254,1255
or 1256 until the keyboard proficiency exam, reequired of all music or 1256 until the keyboard proficiency exam, requir mus 2102 MUSICAANSHP II: MATERIALS AND STRUCTURE (4) Prerequisite: MUS 2101 . Continued integrated study of harmony, modulation and 2oth century techniqiques. Skills of composition, aural dictation, improvisation, use of tecchnology and
analysis will be developed. Emphasis is on develooing understandin analysis will be developed. Emphasis is on developing understanding
of and compositional experience with larger nusical forms. Suudentis ho are envolled in Musicianshhip II and who are identiffied as needing remedial keyboard dkills may be required to enroll in MUS 254,1255 or 1256 until the keylyoard proficiency exam, required MUS 2103 MUSICIANSHIP II: MATERIALS AND STRUCURE (4) Prerequisite: MUS 2102 . Continued integrated study of nusical elementst as in Musicianship I emphasizing chromatic composition, aural dictation, improvisation, use of technology and analysis sill be developed. Emphphasisis is on devereloping undorestsanding of and compositional experience with larger musical formss. Studen
who are envolled in Musicianship II and who are identfified as who are enrolled in Musicianship II and who are identified as
needing remedial keyboard skills mayb be required to enroll in MUS
1254,1255 or 1256 until the keyboard proficiency exam reauired of needing remedial keyboard skills may be required to enroll in in MUS Il music majors, is passed. Extra fee. Corequisite: MUS 2603 . MUS 2260 THE SINGER'S ART I (2) Prerequisite 3 credits of e principles of artistic performance, with special emphasis on ngilish and Italian diction and repertoire. Prerequisite to upper MUS 2261 THE SINGER'S ART II (2) Preerequisite: MUS 2260 The study and performance of the German lieder of the 19th century with special attention to diction, style and interpreftation. Prerequisite to upper-division credid in voice. MUS 2262 THE SINGER'S ART HII (2) Prerequisiste: MUS 2260
The study and depformance of the French melodies of the 1 th hand
20th centuries with special attention to diction, style and interpretaion. Prerequisite to upper-division credit in voice.
MUS 2303 SEATTLE PACIFIC SNGERS (1)
pproval: Instructor and audition. Selected scholarship performing Approval: Instructor and audition. Selected scholarship performing roup that represents the University in various public relations epeated for an unlimited number of credits. Class open to: Freshmen MuS 2304 CHAMBER SINGERS (1) Registration Approval: Instructor and audition. May be repeated an unlimited number of
times. May be repeated for an unlimited number of credits. Class op mes. May be repeated for an unlimited number of credits. Class open to: Freshmen and Sophomores.
MUS 2305 WOMEN'S CHOIR (2) Registration Approval: nstructor and audition. May be repeated for an unlinitited number of redits. Class open to: Freshmen and Sophomores. MUS 2306 RRASS ENSEMBLLE (1) Registration Approval: imes. May be repeated for an unlimited number of credits. Class open 6:Freshmen and Sophomores. MUS 2307 PERCUSSION ENSEMBLE (1) Registration Approval: mes. May be repeated for an unlimiied number of credits. Class open Freshmen and Sophomores. MUS 2308 WOODVIID ENSEMBLE (FLUTE CHOIR) (1) nisistration Approva: Instructor and audition. May be repeated an credits. Class open to: Freshmen and Sophomores. MUS 2309 STRING ENSEMBLE (1) Registration Approval: Instructor and audition. May be repeated an unlimited number of times. May be repeated for and
to: Freshmen and Sophomores.
MUSMBLI
310 MUS 2310 KEYBOARD ENSEMBLE/ACCOMPANYING (1)
Registration Approval: Instructor and audition. Emphasis on piano due Registration Approval: Instuctor and audition. Emphasis on piano duet
and twopiano iteradure as well as accompanying skills. May be reeeated

MUS 2311 JAZZ ENSEMBLE (1) Registration Approval:
and audition. An organization of up to 17 instrumentalist from the jazz literature May be repeated an unlimited number of times. May be repeated for an unilimited number of credits. Class ope MUS 2340 CHAMBER ENS MUS 23 CHAMBER ENSEMBLE (1) Registration Approval: Instructor and audition. Includes chamber music experience of
various types - woodwind, brass, string and percussion and mixed May be repeated for credit 9 times. Class not open to flyniors and
Seniors.
MUS 2350 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. May be repeated for an unlimited number of credits. Class open
to: Freshmen and Sophomores. to: Freshmen and Sophomores.
MUS 2351 SYMPHONIC WI
Approval: Instructor and auddition. As a group of selected wind and percussion players, this ensemble provides an opportunity for in-dept experience in the performance of wind ensemble and band repertoire.
May be repeated for an unlimited number of credits. Class open to Freshmen and Sophomores.
MUS 2353 SYMPHONY ORCHESTRA (2) Registration Approvat Instructor and audition. An ensemble of strings with selected woodwinds, brass and percuasion instuments, performing works fro
the extensive orchestral literature. May be repeated for an unlimited number of credits. Class open to: Freshmen and Sophomores. MUS 2360 OPERA WORKSHOP (1-2) Registration Approval:
Instructor. Practical experience in preparation and performance of Instructor. Practical experience in preparation and performance number of credits. Class open to: Freshmen and Sophomores. MUS 2501 BRASS TECHNIQUES (1) Designed for Music Education majois. Students learn how wo teach the various brass instruments. Emphasis on demonstration of good tone and diagnosis ${ }^{\text {open to: Freshmen. }}$
MUS 2502 PERCUSSION TECHNIQUES (1) Designed for music education majirs. Sudents learn how to teach the percussion
instruments. Offered alternate years. Class not open to: Freshmen. instruments. Offered alternate vears. Class not open to: Freshmen
MUS 2503 STRING TECHNIQUES ( 1 ) ( 1 credit in each of quarters) Must be taken for 2 quartiers. Desisgned for music education majors. Students learn how to teach the string instruments. Offeer
alternate years. Class open to: Music majors. Class not open to: MUS 2504 WOODWIND TECHNIQUES (1) Designed for musil
education majors. Students learn how to teach the woddwin education majors. Students learn how to teach the woodvind
instruments. Emphasis on demonstration on good tone and diagnoss instruments. Emphasis on demonstration on good tone and diagnosis
of sudent problems in a lab seting. Offered alternate years. Class not
 Exploration of the philosophy of music education, the needs of societ
and of the learner, the nature of musical learning, the content of and of the learner, the naturur of musical learaing, the content of
music curriculum, structuring for music learning and management
of the learning environment of the learning environment. May be taken prior to or concurrently with upper-division methods courses. Class open to: Music Education MUS 2601 SURVEY OF MUSIC LITERATURE I (3) Registration Approval: Instructor. A chronological study of the
development of western art music from the early Medieval period development of western art music from the early Medieval period
through the Baroque Era. MUS 2602 SURVEY OF MUSIC LITERATURE II (3) Registration Approval: Instructor. A chronological study of the
development of western art music in the Classical Period and the development of western art music in the Classical Period and the
Romantic Period through Richard WWagner. Romantic Period through Richard Wagner.
MUS 2603 SURVEY OF MUSIC LITERATURE III (3) MLS 203 SURVEY OF MUSIC LTEERATURE III (3) period to the present.
MUS 2604 THE ENL MUS 2604 THE ENLICHTENED EAR (5) This course will cove a range of music from American vernacular forms to Western Art
music as well as music from Asia, Latin Ameica and Africa: Students will gain skills in listening to music from diverse cultures, develop. understanding of the influence of cultural and historical context of hiose musics and tearn how hose traditions can be experienced tod
in the city of Seattle. Class not open to: Music majors. in the city of Seatite. Class not open to: Music majors.
MUS 2605 SURVE OF POPULAR MUSIC (5) popular music in America, its development, variely and influences on

American culture. Emphasis is on listening, styles and the elements of najiors. nusics of the world as a cultural phenomena. It deals with the social organization of music, the material culture of music, and issues of culture-contact and change from a Christian perspective. The musics of sub-Saharaan Africa, Eastern European, Middle East, East Asia Southeass Asia, hidoness
Crequisite: MUS 2655.
Corequisite 265 WORLD MUSIC LAB (2) Provides practical hands-on Experience in performing on instruments wsed ast East Asia Southe aharan Africa, Eastern Europe, the Midde East, East Asia, Southeast uLS 3401 MUSIC AND WORSHIP (2) A study of the
 worship in the Christian Church. 3500 FUNDAMENTALS OF MUSIC FOR FUTURE IEACHERS (2) A course intended to cover basic music theory Including rhythmic sightreading, interpretation of pitch notation and asic chrder. Students who have had basic theory may test out of this class. Designed for future classroom teachers. May be taken towards
General Education Fine Arts options credit. Class not open to: Music Seneral Education Fine Arts Options credit. Class not open to: Music Eddcation majors. Class not open to: Freshmen and Sophomores.
MUS 3501 ELEMENTARY METHODS AND MATERIALS ( 3 ) Prerequisite: Concurrent enrollment or completion of MUS 3500 . This clased ocvers basic approaches to teaching musicin in the elementary
dessroom for he regular classiom teacher If tocuses on music as a lassroom for the regular classroom teacher. It focuses on music as a content area and music asi it reateses to arts in basic e eaccation. owards General Education Fine Arts Options credit. Class not open to. Husic Education majors. Class not open to: Freshmen and
Sophomores. 3502 MUSIC IN SPECIAL EDUCATION (3) Prerequisite: Concurrent enroliment in or completion of MUS 3500 . This course centers on methods for dealing with music and related arts with
children who have special needs. Materials for use with children are hildren who have special needs. Materials for use with children ate developed. This course is designed for special education majors Elementary education certification students may take MUS 3502
ooward General Educaction Fine Ats Options credits. Class not open to:
Tresh freshmen.and Sophomores. 3503 GENERAL MUSIC METHODS AND MATERLALS (3) Prerequisite: MUS 2550 A A survey of methods for instruction in (3) Prerequusitie: MUS 250.A survey of methods for instruction in
elementary classoom music and secondary general music programs de.enentary classioom music and secondary general music programs.
ncludues exposure to current materials available for instruction in
tose setings and preararation of materils hoses settings and preparation of materials appropriate to age level
Class open to: Music Education majors and Fine $\&$ Applied Arts majors. Class not open to: Freshmen and Sophomores. MUS 3504 CHORAL MUSIC METHODS AND MATERIALS I (2) Prerequisite: MUS 2550 or permission of instructor. A survey of rom the elementary school chorus through the adult choir., Empthasis 5 on development of diagnostic rehearsal skills through special class rojects and survival skills for the beginning choral director. Class Sophomores.
MUS 3505 INSTRUMENTAL MUSIC METHODS AND MATEERIALSI I (2) Prerequisite: MUS 2550 . A survey of the instrumental musis program, grades $5-12$. Emphasis is on
examination of approviate teaching materials teaching xamination of appropriate teaching materials, teaching methods for
various program levels, program planning and development, and various program levels, program planning and development, and
evaluation of learner progress. Experience in planning and presenting
model led len model learning experiences in instrumental I music is sprovided. Class
open to: Music Exucation majors. Class not ppen to: Freshmen and Sophomores.
MUS $\mathbf{3 5 0 6}$ PIANO PEDAGOGY I (2) Emphasis is upon developing a philosophy of music teaching, at the prisimary to intermediate levels. Includes an examination of ideas and theories teaching strategies and literature, student teaching and use of music technology. Offered alternate years. Attribute: Wririting Course.
MUS $\mathbf{3 5 0 7}$ PIANO PEDAGOGY II (2) Prerequisite: MIS 3506 MUS 3507 PLANO PEDAGOGY II (2) Prerequisite: MUS 3506 . An examination of ideas and theories about learning and teaching at
he intermediate college level. Includes observation of teaching, stud of teaching strategies and literature, student teaching and use of MUS 3508 PIANO PEDAGOGY III (2) Prerequisite: MUS 3507 ontinued emphasis upon developing a philosophy of music teaching. seminar on pedagogical topics. Supervised student teaching. Use of MUS 3514 CHORAL METHODS \& MATERLALS II (2) Prerequisites: MUS 2250, 3504. An in depth study of the methods an techniques of the choral rehearsal; this course provides background or teaching vocal jazz. Emphasisi is given to understanding the choral Treshmen and Sophomoroses
MUS 355 INTRUMENTAL METHODS AND MATERIALS II MUS 3515 INSTRUMENTAL METHODS AND MATER (2) Prerequisite: MUS 3505 . Continuation of MUS 3505 sith
emphasis on Iazza and Marching Band. Designed for Music Education najors. Class not open to: Freshmen and Sophomores. logical study of piano literature from the 18 th century to the present. Includes analysis of representative compositions, performance
practices and styles of the periods involved offered Itternate yea MUS $\mathbf{3 6 0 2}$ THE MAGIC OF OPERA (3) An in-depth study of slected masterpiecese of standard operatic repertoire from an historical and aesthetic perspective. Ideas and themes of operas are lated to social, mora, politcal and reiigious issues confronting class activity. Offered alternate years, Class not open to: Freshmen and clasphatinores.
mus 3603 Choral literature (2) Prerequisites: MUS 1101, 102, 103. A survey of choral nusic representing historical forms, grades $5-12$. Consideration given for balance in programming. Class tot open to: Freshmen and Sophomores
MUS 3604 INSTRUMENTAL LITRRATURE (2) Prerequisites: MUS $1101,1102,1103$. A survey of instrumental music appropriate for and Sophomores.
IUS 3608 COMPUTER MUSIC NOTATION (5) Prerequisite: Basic piano skills. Students will receive daily hands-on experience al
an individual workstation consisting of a MIDI keyboard, Macintosh omputer and Finale software. The lessons include a study of omputer music notation with an emphasis on task-specific solutions nging from basic to advanced applications. Extra fee.
us 4100 COMPOSITION (1) permission of instructor. Through basic skillt-building exercises this permiss teaches mustical compousition in ancorordance with stated emptheic values. Studenits move hirough ievels of increasing
credits.
MUS 4101 INSTRUMENIATION AND ORCHESTRATION (3) Prerequisite. MUS 2103. A study of the history technical limitations
and use of orchestral instruments. Practical experience in arranging or various combinations of instrumentst is provided. Offered alternate years. Class not open to: Freshmen and Sophomores
MUS 4102 chorAi ArRANGING () Prerequ
MUS 4102 CHORAL ARRANGING (2) Prereceus.istes: MUS 1101,
1102, 1103. A study of the basics regarding the use of voices in choral 1102, 103. A study of the easics regarding hhe use of voices in choral in arranging for rarious shorala ensembles is provided. offered.
alternate vears. Casas not topen to: Preshmen and Sophomores. alternate years. Class not open to Freshmen and Sophomores.
MUS $\mathbf{4 2 6 1}$ SACRED VOCAL REPERTOIRE (3) Registration tpproval: Instructor. Preerequisites: MUS 1260, 2219. A study of some ff the great sacred solo vocal l repertoire. Special attention will be given 10 solo cantata and oratorio literature. Class not open $t$ t: Freshmen and Sophomores.
USS 4262 VOCAL PEDAGOGY AND TECHNIQUES (2)
 he singing voice and methods of vocal instruction. class not open to: 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.
MUS 4654 CONTEXT STUDIES IN MUSIC: PASSION SETTINGS (3) Prerequisites: MUS 1101, 1102, 1103, 2601, 2602 and
603. This course focuses on musical settings of the Passion accoun, as its development from unison chant through such contempocluded in the study are liturgical and socio-cultural factors as wel as compositional techniques. Topics change yearly. May be repeated
or credit 3 times. Attribute: Wrriting Course. Class open to: Music ajorrs. Class not open to: Freshmen and Sophomores. US 4655 CONTEXT STUDIES IN MUSIC: WORLD MUSIC (3) Prerequisites: MUS 1101, 1102, 1103, 2601, 2602 and 2603. Th cultural-historical context, style, non-western instruments, and the ise of technology. It encourages multicultural awareness and Includes activities of listening, analysis, movement, sight-singing,
ranscription, improvisation and performance. Includes participation in an African percussion ensemble. Topics change yearly. May be repeated for credit 3 times. Attribute: Writing Course. Class open to: Music majors. Class not open to: Freshmen and Sophomores. TAVENER - CHORAL MUSIC OF THE ENGLISH CHURCH (3) Prerequisites: MUS 1101, 1102, 1103, 2601, 2602 and 2603. This ourse surveys and analyzes the chorall music of British composers ocusing on anthems and canticies. Literature will be considerere fron entury with composers such as the modern John Tavener. The development of the Anglican Liturgy and the application of ch usic to the Services of the Church of England will be discussed.Topics change yearly. May be repeated for credit 3 times.
Class open to: Music majors. Class not open to Freshmen and phomores.
MUS 4701 CHORAL CONDUCTING I (3) Prerequisite: MUS onducting skill and techniques. Class not open to: Freshmen and sophomores. MUS 4702 INSTRUMENTAL CONDUCTING I (3) Prerequisi MUS $1101,1102,1103$ or equivalent. A course designed to teach
lementary score reading, baton techniques, instrumentation, and conducting with an instrumental emphasis. Offered alternate years. lass not open to: Freshmen and Sophomores.
MUS 4703 CHORAL CONDUCTING II (3) Prerequisite: MUS dvanced choral conducting techniques are emphasized including opics such as recitative, working with instruments, reading comple ores, etc. Class not open 1. Freshmen ad sophomores MUS 4704 INSTRUMENTAL CONDUCTING II (3) Prerequiactivities of mUS 4702. May be repeated for credit 1 time. Class not open to: Freshmen and Sophomores. US 4922 DIRECTED READINGS IN MUSIC EDUCATION 1-3) Registration Approval: Independent Study Agreement. May be Sophomores.
Sols 4921 directed readings in music history ( 1 Registration Approval: Independent Study Agreement. May be ophomores
MUS 4941 CHORAL CONDUCTING INTERNSHIP (3-5)
Registration Approval: Instructor. An opportunity for qualified choral hile working with an advanced ensemble. May be repeated for cred p to 10 credits. Class not open to: Freshmen and Sophomores. US 4942 INSTRUMENTAL CONDUCTING INTERNSHIP ( ) Registration Approval: Instructor. An opportunity for qualified xperience while working with an advanced ensemble. May be eated MUS 4943 MUSIC INTERNSHIP (3-5) Registration Approval nstructor. An opportunity for music students to gain additional roficiency and experience in an approved project of the student's own esign. May be repeated for credit up to 10 credits. Class not open to: Ueshmen and sophomore pproval: Instructor. Topic and credits to be announced in class chedule when offered. Topics are offered usually y ncly 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 sobshores Music majors. Class not open to: Freshmen and MUS 4960 SPECIAL PROJECTS IN MUSIC (1-5) Registratio Approval: Instructor. May be repeated for credit up to 10 credits. Clas not open to: Freshmen and Sophomores.

## Individual Instruction Serie

Available in major and non-major sections. Permission of instructor and audition are required to register for all courses listed in this series. Courses may be repeated for an unlimited majors and are not oppen to freshmen or sophomores. An extr fee is charged for all courses. MUS 2201/4201 INDIV. INSTR.-FLUE (1-2) MUS 2202/4202 INDIV. INSTR.-OBOE (1-2) MUS 2203/4203 INDIV. INSTR.-CLARINET (1-2)
MUS $2204 / 4204$ INDIV. INSTR.-BASSOON (1-2) MUS 2204/4204 INDIV. INSTR.-BASSOON (1-2) MUS 2205/4205 INDV. INSTR.-TRUMPET (1-2 MUS 2206/4206 INDIV. INSTR.-HORN (1-2) MUS 2208/4208 INDIV. INSTR.-BARITONE (1-2) MUS 2209/4209 INDIV. INSTR.-TUBA (1-2) MUS 2210/4210 INDDV. INSTR.-PERCUSSION (1-2 MUS 2211/4211 INDIV. INSTR.-VIOLIN (1-2) MUS 2212/4212 INDIV. INSTR.-VIOLA (1-2) MUS 2214/4214 INDIV. INSTR.-DOUBLE BASS (1-2) MUS 2215/4215 INDIV. INSTR.-HARP (1-2) MUS 2216/4216 INDIV. INSTR.-ORGAN (1-2) MUS 2217 INDIV. INSTR.-PIANO (1-2) MUS 2217 InDIV. NST. scholarship recipients may be exempt from the prerequisites Voca scholarship recipients may be exempt from the prerequisistes. Vocal
instruction for non-majors beyond 6 credits will be met through MUS $2260,2261,2262$. (Extra fee.) May be repeated for credit up to 6
Crediss. 220/4220 INDIV. INSTR.-CLASSICAL GUITAR (1,2 MUS 2221/4221 INDIV. INSTR.-SAXOPHONE (1-2) MUS 4217 INDIV. INSTR.-PIANO (1-3)
MUS 4219 INDIV. INSTR.-VOICE (1-3)

## Ensemble Series

Permission of instructor and audition are required to register an umlimited number of credit. Upper-division courses are no open to freshmen and sophomores.
MUS 2303/4303 SEATTLE PACIFIC SINGERS (1) MUS 2303/4303 SEATTLE PACIFIC SINGERS (1)
Selected scholarship performing group that represents the Selected scholarship performing group that repres
University in various public relations endeavors. MUS 2304/4304 CHAMBER SINGERS (1) MUS $2305 / 4305$ WOMEN'S CHOIR (2) MUS 2307/4307 PERCUSSION ENSEMBLE (1) MUS 2308/4308 WOODWIND ENSMBLE (FLUTE CHOIR) (1)
MUS 2309/4309 STRING ENSEMBLE (1) ENSEMBLE/ACCOMPANYING
MUS 2311/4311 JAZZ ENSEMBLE (1) An organization of up 17 instrumentalists which specializes in the preparation, study and performance of music from the jazz literature.
MUS 2340/4340 CHAMBER ENSEMBIE MUS 2340/4340 CHAMBER ENSEMBLE (1) Includes chamber -pes - woodwind, brass, string and MUS 2350/4350 CONCERT CHOIR (2) A choral ensemble of men and women, Concert Choir performs several major concerts during each academic year.
MUS 2351/4351 SYMPHONIC WIND ENSEMBLE (2) As a group of selected wind and percussion players, this ensemble
ovides ensemble and band repertoir
253/353 SYMPHONY OPC IUS 2353/4353 SYMPHONY ORCHESTRA (2) Strings with elected woodwinch, brass and persive orchestral literature.
MUS 2360/4360 OPERA WORKSHOP (1-2) Practical perience in preparation and performance of scenes from opera expertoire.

NATURAL SCIENCES
(Interdisciplinary Courses)
MS 1110 introduction to the nature of science articipation course in the physical sciences. Examines basic evolutions 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 Not recommended for students with more than one high school
science course. 5) An integrative general introduction to astronomy, includin xtragalactic phenomena, and cosmology; includes the scientific method and world-view implications. (Not recommended for students ho have taken NMS 110.)
seology including identification and origin of rocks and murveys rocesses of forming the present state of the earth, interpretation of ecologic features and of the human impact on landscape. Laborato NMS 3120 PHYSICAL SCIENCE AND SOCIETY (5) Introduces contemporary topics in natural sciences which have technological and social implications; examines the present social structure and
environment of the natural sciences. Attribute: Writing Course. NMS $\mathbf{3 9 6 0}$ ENVIRONMENTAL PROJECT (2-5) Registration Approval: Instructor. Students design, with particicpating pegisfefssor, a roject related to human interaction, with the natural environment.
sudent interest and backround determine the arure of the proiect student interest and background determine the nature of the project.
xxamples include: construction of a wind-powered electrical senerating system, experimental gardening techniques. May be epeated for credit up to 5 credits.
MMS 3980 PREPROFESSIONAL HEALTH SCIENCES FIELD XXPRIIENCE (2) Registration Approval: Instructor. A course
rranged on an individual basis, preferably before third year whi includes several components: an actual field experience as an "invited guest observer" in a professional work setting to see a variety of
accivities and to talk formally and informally to professionals who are acivities anc to tak formally and informaly to professionals who are xperiences; a personal report of impressions and perceptions is to be submitted, readings which emphasize ethical questions and NMS 4525 ENVIR
ARY AND MIDDLE SCHOOL TEACHERS ( 3 ) Gives ideas utdioor activities, classroom activities, field trips, regional environnetcoor activities, classroom activities, field trips, regional environ-
nental resourcs, readings, teaching strategiss discussions. (offered
smmers only.) Course Equivalent: EDSC 4566 .

## PHILOSOPHY

C. Stephen Layman, Chair; Phillip Goggans Daniel Howard-Snyder, Michael Macdonald hillosophy is the attempt to answer certain persistent human questions. These questions fall into three traditional groups. axiology (the theory of value), metaphysics (the theory of eing), and epistemology (the theory of knowledge). Charac
teristic questions include "What is good?," "What is real?," an What is knowledge and how can one achieve it?" By studying what the great philosophers have said about these questions, ne can develop a clear personal philosophy (and a clearer grasp of Christian theology), learn about the history of thought,
and develop analytical skills that can be applied to any other field. Philosophy majors often train for careers in law, the ministry, 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.
Requirements for the Major (minimum of 55 credits; minimum of 25 upper-division credits)

Introductory Course
Select one course from the following:
PHI 1100/3100 Faith and Philosophy (5)
PHi 3340 Values, Faith and Social Issues (5) .............. 5
History Courses
PHI 3601 Ancient Philosophy
PHI 3621 Empiricism................................
Systematic Courses
PHI 2230 Logic and Argumentation
PH 3310 Epistemology ...................
Select one course from the following:
PHI 3311 Metaphysics (5)
PHI 3641 Idealism, Pragmatism and
Analytic Philosophy (5)
Elective Courses*

## Total

*Note: HIS 3435 may...............................................
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 yeal 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 a art of the community college direct transfer degree unless th anscript records the completion of foreign language oursework.

Requirements for the Mino minimum of 30 credits; minimum of 15 upper-division credits)

Introduction
Select one course from the following. PHI 1100/3100 Faith and Philosophy (5)
PHI 3340 Values, Faith and Social Issues (5) ............ 5 History Courses
Select one course from the following:
PHI 3601 Ancient Philosophy (5)
PHI 3621 Empiricism (5)
PHI 3631 The Rationalists and Kant (5) .................... 5
ystematic Courses
PHI 2330 Logic and Argumentation
Total ....
"The study of pbilosophy is an exploration of the 'big questions' and the roots of human thought. There are connections with Cbristian theology at almost every point along the way.

Stephen Layman College of Arts
and Sciences

PHILOSOPHY Courses
troductory
al students should take one of the introduction courses below a prerequisite for courses listed under history, systematic and and PHI 3340) meets the 5 credit foundations requirement in Christian Perspectives.

PHI 1100 PAITH AND PHILLOSOPHY (5) Emphasizes the use of nalytical and argumentative skills in devel.oping a systematic world nd ethics, e.g., Can God's existence be proven? Why does God permit evil? Is God the source of all moral value? How does one determine hether an act is right or wrong.
the theory and practice of critical thintion (5) An introduction analyzing and constructing argumentative prose are strongly mphasized throughout the course. Topics include: logic and anguage, deduction, induction, validity and fallac
PHI 2801 C.S. LEWIS AND VALUES (3) Examines Lewis' nsights int the nature of humanness, the meaning of life, and the
 ssues, e.g., marriage, divorce, friendship.
$\mathbf{B H I} 3100$ FAITH AND PHILOSOPHY
malytical and argumentative skills in developing a systematic world view. Special attention is given to philosophical questions about God dd ethics, e.g., Can God's existence be proven? Why does God perm whether an act is right or wrong?
PHI 3310 EPISTEMOLOGY (5) What is knowledge? How does knowledge differ from mere belief? Can it be shown that some Must all rational beliefs be supported by evidence? Are the five senses he only sources of human knowledge? Attribute: Writing Course. HII 33111 METAPHYSICS (5) Analysis of some of the main adititional problems in metaphysics and the standard strategies for thait solutions: freewili anin deternininism, mind-b-bydy reataions, the ears. Atrribute: Writing Course.
range of issues in social ethics from a philosophical and theological a range of issues in social ethics from a philosophical and theo Immorat? Should drugs be legalized? Should the church be involver In politics? Is feminism compatible with Christianity? Media only. PHII 3550 THE CONCEPT OF GOD (3) Can human language
apply to God? If so, how? Are the tenets of classical monotheism (e.g., hat God is omnipotent, omniscient, good, free, etc.) coherent in themselves? Are they compatible with each other and with other basic eeliefs we hold (e.g., human fredom)? AAtribute: Writing Course.
PHI $\mathbf{3 6 0 1}$ ANCIENT PHILOSOPHY (5) Surveys the work of
principally Greek philosophers, with special emphasis on the writings
of selected Presocratics, Plato and Aristole. Some consideration may of selected Presocratics, Plato and Aristote. Some consideration ma e given to post-Aristotelian developments, e.g. Stocicism and Neoplatanonism. Attribute: Writing Course. ckeley, Hume and Reid with) rocuses on the works of Locke, etaphysics and epistemology. Attribute: Writing Course PHI 3631 TE RATIONALLSTS AND KANT (5) Focuses on the works of Descartes, Spinoza, Leibniz and Kant, with emphasis on thei

## hiosorideaisu, pragmatism and analyti

 PHLIOSOPHY (5) Surveys major philosophical movement attention is devoted to the drealists (eo Bradley and McTacgart). pragmatists (e.g. James and Peirce), and various analytic philiosophers (e.g, Moore, Russell, wittgenstein and the positivists). offered alternate years. Attribute: Writing CoursePHI 3705 ETHICS: THEORIRS AVD
include: How can we tel right frem and ISSUES (5) Topics include: How can we tell right from wrong? ? m mora ity reative to
cultures? Are moral luggments purely subjective? Is it possible to identify the most basic moral principipess II God the ulturinate source moral value? What are the enduring philosophical theories of ethices?
A range of contemporary moral issues will be disc used range of contemporarary moral issues will be discussed, e.g., abortion disobedience. Attribute: Writing Course.
PHI 3770 POMTICAL PHILOSNOPYY (3) Drawing on the work
of Locke, Burke, Marx, Tocqueville, Rawls and other political of Locke, Burke, Marx, Tocqueville, Rawls and other political philiosophers, we discuss the followng questions: What sorts of
obligations do citizens have to their country, if any? What is the basis for these obligations? What is the purpose of government? Which system of government best accomplishes those purposes? Under what Writing Course.
PHI 3801 C.S. LEWIS AND VALUES (3) Examines Lewis' insights into the nature of humanness, the meaning of life and the issues eo marriage divorce, friendship Atribute: Writing Couse PHI 4451 THE EXISTENCE OF GOD (5) Can God's existence b proved? What are the main arguments for and against the existence
God? Why does God allow so much nuffering? Is it ressonall to believe that God exists? Attribute: Writing Course. believe that God exisis? Attribute: Writing Course.
PHI 466 THE BEST OF C.S LEWIS (3) Identifies basic literary, philosophical, and theological categories of Lewis' work Evaluates the insightst in the great themes which permeate Levis' literature, through examining his major works. Works studied incliut
Mere Christianity, Screwtape Letters, Great Divorce, Last Batle, and The Four Loves. Incorporates lecture series.
PHI 4785 AESTHETICS: ART AND HUMAN VALUES (3) Is PHI 4785 AESTHETICS: ART AND HUMAN VALUES (3) Is
beauty an objective quality that a thing either has or does not have, of beauty an objective quality that a thing either has or does not have,
are aesthetic udgments merely expressions of personal taste? What are eesthetic judgnents merely expressions of personal taste? 'Wat
sorts of things should we take into account in evaluating art? What the proper function of art, and of the art critic? Offered alternate year Attribute: Writing Course
Phi 4880 PHILOSOPHY OF SCIENCE (3) Examines two belie especially the natural sciences, are modeds of rationality; and (2) scientific theories tell us about reality Readings are from the works of such philosophers as Ayer, Popper, Hempel, ,uhn, Feyerabend and
van Fraassen. Atrifute wround PHI 4920 DIRECTED READINGS AND RESEARCH (1-9) Registration Approva: Independent Study Agreement. Class open to: Phi 4921 directed readings in the phulosophical WRITINGS OF C.S. LEWIS (1-5) Registration Approval: ndependent Study Agreement. Offers directed study in the explic philosophical writings of Lewis, e.g., The Abolition of Man, The and Other Addresses, God in the Dock. PHI 4930 PHILOSOPHY PRACTICUM (1-2) Registration
Approval: Instructor. For advanced students who wish to assist as Approval: Instructor. For advanced students who wish to assist as
discussion leaders and readers in lower-division philosophy ylasses. Maysussion leaders and readers in lower-division philosophy classes. majors. Class not open to: Freshmen and Sophomores. PHI 4950 SPECLAL TOPICS IN PHILOSOPHIS (1-5) No
description. May be repeated for credit up to 5 credits. Class open to: description. May be
Juniors and Seniors.

## PHYSICAL EDUCATION

Grant Hill, Cbair; JoAnn Atwell-Scrivner Robert Grams, Doris Heritage, Dan Tripps, Robert Weathers

## Foundation Requirements for the Majors

 The following courses are required of all students intors complete a major in the Department. No course in which a student receives a grade below a C - will be applied toward the degree.BIO 2129 Human Ainatomy and Physiology.
Bio 2130 Human Anatomy and Physiolog

PE 3545 Programs for Special Populations ...
PE 3560 Social-Psychological Aspects of Activity
PE 3570 Biomechanics.
PE 3580 Exercise Physiolo

Total ...
Core Requirements for the Physical Education Major
ECS 1310 Introductory Nutrition
 PE 2515 Secondary Physical Education
PE 3600 Physical Education Teaching Lab
PE 3602 Teaching Field Sports .
PE 3603 Teaching Court Sports
PE 3604 Teaching Global Sport
PE 3605 Teaching Gymnastics
PE 3606 Teaching Dance
PE 3608 Teaching Alternative Activities
PE 3609 Teaching Individual Sports
PE 3610 Teaching Racquet Sports .

For teacher certification, the above degree plan must be
combined with the following School of Education requirements:
Phase I (EDU 3103, 3104, 3105, EDSP 3107, EDLR 4235); RD 4530, EDU 4240; Phase II (Internship and EDU 4230) missions and details.

Core Requirements for the Exercise Science hajor
HM 1211 General Chemistry ...................................... 5 HM 2330 Organic and Biolo $\ldots . . . . . . . .5$ ICS 3340 Family Nutrition
PE 4585 Exercise Science Lab Seminar
EE 4590 Advanced Athletic Training
Pe 4930 Exercise Science Practicum....
PE 4940 Internship.
$\cdots . . . \frac{1}{24}$

Requirements for the Minors
minimum of 40 credits are required for a minor degree
or a minor in physical education complete the following courses for 39 credits:

EF 3545 Secondary Physical Education ... PE 3560 Social-Psychological Aspects of Activity PE 3570 Social-Psychanics .
PE 3580 Exercise Physiolog
PE 3590 Sport Injury Management
PE 4595 Organization and Administration

## Minor in Health

or a minor in health complete the following courses for 40 credits:
IO 2129 Human Anatomy and Physiology
HSC 3035 Human Sexuality ....
FS 1310 Introductory Nutritio
FCS 4310 Nutrition in Sports and Exercise
FS 4330 Advanced Nutrition..
EE 1301 Wellness.
E 2550 Safety and First Aid................
E 2555 Health Issues and Program........
4950 Special Topicc in Health Education
Total..
Requirements for Endorsements in Health and Physical Education
The student who wishes to receive a state endorsement for a secondary teaching area in health or physical education must complete the 24 credit requirement as set forth by the aperintendent of Public Instruction. For further information

Leisure Activities Program
Leisure provides a unique opportunity to become a more aulfilled and complete person; it can be avoided, wasted, spent, or used creatively. The Department of Physical Education offers wide spectrum of activity classes where basic skills can be

PHYSICAL EDUCATION Courses
PE 1001 FOOTBALL CLINIC (1) Introduces students to basic
rules and competitive strategies of
PE 1002 SOCCER CLINIC (1) Introduces students to basic rules
and competitive strategies of soccer.
PE 1003 BASKETBALIL CUINC (1) Introduces students to basi rules and competitive strategies of basketball.
rules and competitive strategies of softhall 1 Inces students to basic
PE 1005 VOLLLEYBALL CLINIC (1) Introduces students to basic rules and competitive stratagies of volleyball.
PE $\mathbf{1 0 0 6}$ FLOOR HOCKEY CINIC (1)
basic rules and competitive strutegies of (1) Introduces students to basic rules and competitive strategies of floor hockey,
PE 1007 TEAM HANDALL CLINIC (1) Introd
asic rules and competitive strategies of team handball. PE 1008 KORFBBLL CuINIC (1) Introduces students to basic
rule sand E 1100 OUTDOOR SURVIVAL (2) C eisure courses. Teaches how to recognize wilderness dangers, as wel
as wilderness survival. Course will cover knowledge and skill will includude: temperarature control equivip perevention. Topictics covered maintenance, map reading, compass navigation and emergency

PE 1109 WEIGHT TRAINING (2) Introduces students to basic concepts in development of muscular strength and endurance participants. 1110 BACKPACKING (2) Prerequisite: PE 1100 or perm of instructor: Introduces students to backpacking as a leisure activity and provides students with knowledge and dkills to safely and
eniovably participate in the sport. Extra fee. enjoyably particippate in the sport. Extra fee. instructor. Northwest Trrais and Beauty Spots: a one day wildernes Trek along beaches, or forest or mountain trails. Extra fee. PE 1125 SNOWSSHOEING AND CROSS-COUNTRY SKIING (2) Prerequisite: PE 1100 or permission of instructor. Introduces
students to snowshoeing and cross-country skiing as lesure activitios students to snowshoeing and cross-country sking as lessure activites
and provides sududents with knowledge and skills to safely enioy these ports. Extra fee.
PE 130 DOWNHHL SKIING AND SNOWBOARDING (1) Introduces students to the basic principles of the American ski
technique with focus on progress of technical forms and the enioyment of skiing and snowboarding. Extra fee.
PE 1135 ROWING (2) Introduces students to basic rowing
techniques, skills, equipment, and conditioning for continued techniquees, skills, equipmenent, and conditioning for conining PE 1140 WINDSURFING (1) Introduces students to board sailin (windsurfing) as a leiesirie activity and provides students with Extra fee. PE 1145 CANOEING (2) Introduces students to canoeing as leisure activity and provides students with knowledge and $s$ si necessary to saiely participate in canoeing on flat water. 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.
Pe 1155 BICYCLING (2) Introduces sudents to bicycle safety equipment, repair, tooring and commuting. Includes extensive Whellman certificiction as "effective cyclis"" is awarded upon
suceessful conpletion of the course. students must provide own
 opportunity to engage in selected activities designed to increase their as a life as a life--0ng leisure activity. May be repeated for creditit 1 time.
PE 1161 WALKING/JOGGING (2) Introduces students to aerobic and fitness information while providing opportunity to engage in a pleasurable life--long leisure activity. Local parks and interesting walk 1165 routes will be explored.
PE 1165 DANCE (2) Introduces students to basic techniques and thylhms of one of several dance styles including aerobics, jazz, folk, 1 time. 1175 FENCING (2) Introduces students to basic instruction in the sport of fencing. Technical emphasis on basic footwork, defensive and party systems, methods of attack and counterattack, judging and directing standard hoil competition, and mental preparation for competition or physical conditioning.
PE 1180
GOLF
(2) $)$ Introduces stud techniques and rules of golf for enioyments as a recreational sport. Extra fee. May be repeated for creditit 1 time.
PE 1185 BADMINTON (2) Introduces student the kkills and strategies of badminton for enioyment as a recreational sport. May be repeated for credit 1 time.
Sport. May be repeated for creadit 1 time.
PR 1190 TNNII (2) Introduces students to the fundamental
skilk, skills, techniques and r rules of tennis for enjoyment as a recreational sport. May be repeated for credit 1 time.
PE 1195 SCUBA (2) Registration Ap PE 1195 SCUBA (2) Registration Approval: Instructor. Introduces
students to skin and scuba diving as leiturue activitites and nrovides suadennts soskin and scubbediving as leisure activities and provides
students with the knowledge and skills necessary to saidely undertake open water training as candidates for scuba certification. Extra fee
PE 1199 LEADERSHIP CAMP (2) The class uses aseries of preparatory seminars and a weekend wilderness experience to help
tudents to define a personal mission and to practice leadership skills PE 1200 SOFTBALL (2) Introduces students to softball as a leisure cctivity and provides students with $k$ PE 1301 WELLNESS (3) Examines lifestyle decision making, rresents basic knowledge on concepts of health and wellness: mental eadth, nutritition, physical activity, prevention of chroniciciliness and piritual, sccial, emotional, intellectual and physical well-being and To the development of an integrated lifestyle. Extra fee. Course quivalents: HES 1301 and HSC 1301.
Instructor. Open only to eligible varsity intercollegiate athletes. M be repeated for creditit times. PE 1456 WOMEN'S BASKBTBALL (1) Registration Approval:
Instructor. Open only to eligible varsity intercollegiate athletes. Ma nstructor. Ppen only to eligible varsity intercollegiate athictes. Ma PE 1460 WOMEN'S GYMNASTICS (1) Registration Approval: Instructor. Open only to eligible varsity intercollegiate athletes. Ma be repeated for credit 3 times.
open only to eligible varsity intercollegiate athletes. May be repeated for credit 3 times. PE 1470 MENS SOCCER (1) Registration Approval: Instructor. open only to eligible varsity intercol leglate athletes. May be repeat
for credit 3 times. PE 1475 TRACK \& FIELD (1) Registration Approval: Instructor Open only to eligible varsity intercollegiate athletes. May be repeatal
for credit 3 times. PE 1480 MEN'S CREW (1) Registration Approval: Instructor. Open only to eligible varsity intercollegiate athiletes. May be repeater PE 1481 WOMEN'S CREW (1) Registration Approval: Instructor. PE 1481 WOMEN'S CREW (1) Registration Approval: Instructor. open only to eigigle varsity
for credit 3 times. PE 1495 WOMEN'S VOLLEYBALL (1) Registration Approval: Pe repeated for credit 3 times. IION (4) Explores health and physical education needs of K -6 children. Course focuses on age appropriate curriculum and activities with an emphasis on motor skill development and interdisciplinary Class not open to: Freshmen. PE 2515 SECONDARY P.E. (5) Focuses on appropriate curriculum and teaching methods for secondary P.E. Emphasizes hoi o develop a successful program including strategies for classtoom Class not open to: Freshmen.
PE 2550 SAFETY AND FIRST AID (3) Presents basic skills of accident prevention and emergency treatment of injury and illnes Topics include: legal liability and accident response, respiratory emergencies and artificial respiration, circulatory emergencies and illness, burns, injuries from exposure to heat and cold, poisoning, drug abuse energencies, bone and joint injuries, rescue and transfer, ccident simulations are staged to gain practice in emergency care
Class not open to: Freshmen.
PE 2555 HEALHISSUES AND PROGRAMS (5) Identifies
maior health issues and provides familiarization with programs major health issues and provides familiarization with programs
dealing with these problems. Home, school community and church lesources are includded. Class not open to: Freshmen. PE 2575 MOTOR LEARNING AND DEVELOPMENT (3) Explores learning and human development theory applied to the acquistion and performance of movement patterns. Emphasizes Class not open to: Freshmen.
PE 355 PROGRAMS FOR SPECLAL POPULATIONS (5) activities can be matched with the disabbled and elderly person's need accivitues can be matched with the disabbled and elderiy person's need
for participation and/or correction. Class open to Physical Education majors and ¥xercise Science majors. Class not open to: Freshmen and PE 35600 SociAL-PSYCHOLOGICAL ASPECCS OF ACTIVITY
(5) Explores the meaning of sport, exercise and recreation in our
culures. Social issues include politics, economics, gender, race religion, family and education. Psychological topics include information processing, motivation, anxiety and visualization.
Attribute: Writing Course. Class not open to: Freshmen and
Sophomores. 3570 BIOMECHANICS (5) Prerequisite: BIO 2129, concurren registration, or permission of instructor. Studies the structure and function of the musculoskeletal systerns and basic mechanical principles. Emphasis is given to analysis of exercise and sport and performance of motor skills. Course includes Laboratiory. Class not ppen to: Preshmen and Sophomores.
PE 3580 EXERCIIE PHYSIOLOGY (5) Prerequisite: BIO 2130 or permysislogionical responistes and adaptatitions to exercise, emphosizizin mprovementit of athletic performance and understanding the mechanisms whereby exercise may enhance health. Course includes abboratory. Class not open to: Freshmen and Sophomores. 122. 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 rela
Iniuries. Describes the development and implementation of comprehensive sport injury management systems. Attribute: Writing Course. Class not open to: Freshmen and Sophomores.
PE 360 PHYSICAL EDUCATION TEACHING LAB (1) Course rovides a controlled and supervised micro-teachG LAB (1) Cours Emphasis is on lesson design, classroom management and variou
methods of teaching. Class not open to: Freshmen and Sophomores
3602 TEACHING FIELD SPORTS (1) Introduces students io basis skills, rules and teaching strategies of football, soccer an
softball. Class not open to: Freshmen and Sophomores. PE 3603 TEACHING COURT SPORTS (1) Introduce to basic skillls, rules and teaching strategies of volleyball and E 3604 TEACHING GLOBAL SPORTS $(1)$ Introduces sude basic skills, rules and teaching strategies of sports played most often countries other than America; ;ortball, rugby, lacrosse, team thall, Ausstralan and bowal, cree, nell hockey, Gaelic apen to: Freshmen and Sophomores among the options. Class not
e 3605 TEACHING GYMNASTICS (1) Introduces students to basid skills, rules and teaching strategies of floor exercise, apparatus of floor exerctise, a
Pe 3606 TEACHING DANCE (1) Introduces students to basic ills and teaching strategies of aerobics, jazz, folk, ballet, improvisa ional and cree
SEphomores.
Sophomores.
PE 3608 TEACHING ALTERNATE ACTIVITIES (1) Introduces udents to basic skills and teaching strategies of alternative activitie suro as rom .ier skating, clicus arts, new games and innovative ER 3609 TEACHING INDIVDUAL SPORTS (1) Introducs dentis to basic skills, rules and teaching strategies for archery期
PE 3610 TEACHING RACQUET SPORTS (1) Introduce students to basic skills, rules and teaching strategies of tennis, badminton, pickleball and raquetball. Class not open to: Freshmen and Sophomores.
PE 3612 TEAC
PE 3612 TEACHING OUTDOOR PURSUITS (1) Introduce students to basic skills, rules and teaching strategies of hiking,
backpacking, camping and orientering. Class not open to: Freshme and Sophomores.

 gained in prerequisite courses. Class not open to. Freshmen and
Sophomores. (3) Prerequisites: BIO 2129, 2130 and PE 2590 Describes the basic
cientific principles and techniques of the prevention, recognition and theatment on injuries to athietes, emphasizing causes and mechanism principles of organization and administration of the athietic training som. Class not open to: Freshmen and Sophomores. ccuaints physical education majors with the complexity of implementing and managing sport and physical education programs in school, health, recreational and commercial settings. Assists. students in preparing to assume staff leadership in a sport telatad
organization. AAtribute: Wrrting Course. Class not open to: Freshmen and Sophomores.
PE 4900 INDEPNDENT STUDY (1-5) Repistration Approval ndependent Study Agreement. Allows a non-reesearch approach to approved issue. Course requirements include a defined set of nember, a current topical bibliography and a term ending assessment mutually developed by faculty and student. The format may be dilize Ance. May be repeated for credit up to 4 credits. Class PR 4930 EXERCISE SCIENCE PRACTICUM (1) Registration Approval: Instructor. Prerequisites: PE 3570,3580 . Provides practical experience in physical fitness testing and exercise preseription and Predit 4931 to 3 THLediltstic TRAINING PRACTICUM (1-3) gevention, treatment and rehabilitation of athlleticic inpuries Studet Work with intercollegiate athletes in the SPU training room and at ractice and event sites. May be repeated for credit up to 12 credits. PE 4940 INTERNSHIP (1-15) Registration Approval: Instructor Advisor. Field work experience which may include cooperative by faculy and student is required. May be repeated for credit up to 15 editits. Class open to: Physical Education majors. Class not open to PE 4950 SPECIAL TOPICS (2-5) Registration Approval tepartment Chair. Special courses offered upon demand and/or partment's discretion. May be repeated for credit up to 5 credit lass open to: Physical Education majors. Class not open to

## PHYSICS

## Robert C. Hughson, Chair; Roger Anderson,

 James Crichton, Karl Krienkemescists study the changes, interactions, and properties of matter and energy and, as a result, strongly influence humankind's understanding of nature. In addition, as engineers create new technology based on principles first
discovered by physicists, the social economic and poitital structures of society change. To help students grasp the intellectual impact of both theory and application, SPU offers two undergraduate options described below. One, the
traditional liberal arts physics maior concentrates on traditional liberal arts physics major, concentrates on the theories and experiments of physics while providing maximum freedom to absorb the liberaa arts. The other, engineering
science with physics emphasis, helps prepare the student to

Requirements for the Physics Major PHY 1101, 1102, 1103 General Physics or PHY 1121, 1122, 1123 Physics for Science and Engineering............ PHY 2321 Intermediate Physic PHY 3710 , 3711 Electricit PHY 3841 Dynamics....


Suggested Second Year Physics Curriculum: Autumn
MAT 2375 Probability Theory ................................... 5
CHM 1211 General Chemistry
$\begin{array}{r}1 . . . . \\ \cdots \\ \hline\end{array}$

## Winter

MAT 2401 Linear Algebra .......................................... 3
EGR 2391 Intro. to Materials Science .......................... 5
spring
MAT 2228 Multivarible Calculus ............................... 3
CHM 1213 General Chemistry ............................. 5
PHY 2321 Intermediate Physics.

Requirements for the Physics Minor A total of 35 credits in the discipline is required. At least 15 upper-division credits are required for the minor. The three courses of one of the introductory series in physics, i.e., PHY
$1121,1122,1123$ or PHY $1101,1102,1103$, and 2321 are also required. The only required course of the upper-division lum is PHY 3311. A maximum from the courses EG upper-division cre

Requirements for the Engineering
cience Major
(Physics Emphasis) See the Engineering section of the Catalog

## PHYSICS Courses

HY 1101 GENERAL PHYSICS (5) Prerequisites: MAT 1110. Th sts tuarter of a gener. nitroduct (s) Por lecures and one laboratory Each week. 1102 GENERAL PHYSICS (5) Prerequisite: PHY 1101. The cond quarter of a generall introduction to physisc, intended for our lectures and one laboratory each week. PHY 1103 GENERAL PHYSICS (5) Prerequisite: PHY 1102. The hird quarter of a generai introduction to physics, intended or biolog our lectures and one laboratory each week HY 1121 PHYSICS FOR SCIENCE AND ENGINEERING (5) Prerequisite: MAT 1225 may be taken concurrently. The first quarter of $n$ introduction to physics using calculus. Mechanics. Four lectures PHY 1122 PHYSICS FOR SCIENCE AND ENGINEERING ( rerequisite: PHY 1121 and MAT 1225. The second quarter of an Introduction to physics using calculus. Gravitation, oscillations, fluid Pne laboratory each week.
PHY 123 PHYSICS FOR SCIENCE AND ENGINEERING (5) PHY 1123 PHYSICS FOR SCIENCE AND ENGINEERING rrerequisite: PHY 1122. The third quarter of an introduction to ectures and one laboratory eachl week. PHY 1910 HONORS PHYSICS SEMINAR (1) Registration Approval: Instructor. Prerequisistes: One of the following must be taken
concurrently, PHY 1101, 1102, 1103, $1121,1122,1123$. Provides a direct study on current problems and research areas in physics such as astrophyysics, chaoss and complexity, particles and fields, and relativity. May be repeated for credit 2 times. PHY 2321 INTERMEDIATE PHYSICS (5) Prerequisites:
1103 or 1123 , and MAT 1228 (may be taken concurrenty). 103 or 1123 , and MAT 1228 (may be taken concurreniy). ntroduction to the physics of the twentietet century: relativity, waves as atoms, nuclei, particles and solids.
PHY 3311 ADVANCED PHYSICS LAB (4) Prerequisite: PHY dectronics. Offered alternate years.
HHY 3312 ADVANCED PHYSICS LAB (2) Prerequisit:: PHY 2321 and 3311 . Provides an integrated advanced laboratory course
including experiments in optics, solid state physics, atomic physics and nuciear physics. offered alternate years.
PHY 3313 ADVANCED PHYSICS LAB (2) Prerequisite: PHY 321 and PHY 3312. Provides an integrated advanced laboratory curse including experiments in optics, solid state physics, atomic PHY 3401 THERMODYNAMICS (4) Prerequisites: CHM 1212, PHY 1103 or 1123 and MAT 1222 , or permission of instructor, Studies equilibrium and non-equilibrium properties of gases, licuids and thermodynamics. Course Equivalents: CHM 3401 and EGR 3401. PHY 3710 ELECTRICITY AND MAGNETISM (3) Prerequisites PHY 1103 or 1123 and MAT 1228, 2228. Study of basic laws of electrostatics, magnetostatics and electrodynamics. Course organized
around theory and application of Maxwell's equations. offered alternate years.
PHY 3711 ELLECTRICITY AND MAGNETISM (4) Prerequisite HY 3710. Study of basic laws of electrostatics, magnetostaticc and Maxwell's equations. offered alternate years. PHY 3713 OPTICS (3) Prerequisite: PHY 3711. General theory of hyssical optics, diffrraction theory, polarization and coherent sta PHY 3841 DYNAMICS (5) Prerequisites: MAT 1228, PHY 1101 or 1121. Study of basic laws of force and motion, with vectorial treatmen.
of the Newtonian principles of dynamics of particles and applications to one-dimensional and two-dimensional motions, including orbitital moliouse and momentum, work and energy, vibrations and
impult
hamitonian and lagrangian formulations PHY 4242 ATMOSPHERIC SCIEYCE
Approval: Instructor. Prerequisites: PHY 1103 or 1123 , and MAT 1228 studies structure and composition of the atmosphere, radiative and convectue processes: dynamics and phstisiss introd or the atmosphere, douf plisict, PHY 4243 GEOPHYSICS (2-5) Reg
prerequisites: PHY 1103 or 1123 , MAT 1228, 2228, Studies rotatioctor. and figure of the earth, gravity field, seismology, geomas rotation flow age and inte
not be repeated.
PHIY 4341 QUANTUM MITH MaT 2222. Surveys basic wave mechanics, quantum Preates : PHY 2321, tatess. Offered alternat the wave functions, travelling waves, bound PHY 4342 ATOMIC PHYSICS (5) Prerequisite: PHY 4341. Studie he hydrogen atom, perturbation theory, on-elecetron atoms, fine and mperfine stucture. Xxplores Zeeman and Slark effects. Introduction PHY 4391 NUCLEAR AND PARTICAL PHYSICS (5) Prerequisite: PHY 4342 or perrmission of instructor: Study of the and nuclei. Emphasis on invariance princinles conservation laws and mple applications of quantum theories and the theory of special land relativity. Discussion of experimental methods including particle Petectors and acceleralors. Offered alle:nate years.
H401, MAT 2375. Studies classical and quantum statistiscal Bose and Permi statistics and applications to physical systems. Offered alternate years.
PHY 491 SOLD STATE PHYSICS (2-5) Prerequisite: PHY 2321; PHY 4441 recommended. Focuses on lattice statics and dynamics, electrons and Fermi surfaces, transport phenomena semiconductors, and superconducctivity. Offered alternate years. Registration Approval: Independent Study Apreement The Registration Approval: Independent Study Agreement: The area of
study to be mutually agreed upon by the sudent and a physics faculty member. May be repeated for credit up to 5 credits.
PHY 4910 PHYSICS SEMINAR (1-5) Registration Approval: nstructor. Prerequisitit: Upper-divivison standing in physics majo roblems and research areas in physics. May be repeated for creedit $u$ 5 credits. Class open to: Physics majors. Class not open to
PHY 4940 INTEINSHIP IN PHYSICS (1-5) Registration pproval: Department faculty advisor. Provides a significant learn perience to be obtained in a closely supervised work-study progran ay be repeated for credit up to 5 credits. Class not open to: Preshmen HY 4970 SENIOR PROJECT LABORATORY (1-5) Prerequisites: PHY 3313 and senior standing. Independent research rected towarct satisfaction of requirement of senior project for redits. Class not open to: Freshmen, Sophomores and Juniors.

## POLITICAL SCIENCE

## Douglas Durasoff, Cbair; Ronald Boyce

## Kathleen Braden, Reed Davis

oitical science is the systematic study of government, public policy and political behavior of individuals and groups." It ask At SPU each student is encouraged to consider solu contemporary public problems in terms of the complexities of
ctual political systems and in relation to personal and Ghristian values. The course offerings in political science and political science which are relevant to policy formation, career development, and service to the community.
Study of political science is especially useful for careers in law, public adminisistration, government service, international affairs, journalism, teaching and several fields of business. vaal majors or complementary minors are encouraged. pariely lic service international or logal career

## Requirements for the Majo

 (For all three tracks, at least 25 credits must be upper-division.)
## General Track

OL 1110 Introduction to Politics..
POL 1120 American Government
POL 2464 State and Local Politics (5)
OL 2320 Comparative Political Systems ............................ 5
Select one course from the following:
POL 3410 Moral Foundations of American Government (5) POL 3440 International Peace and World Order (5)
PoL 4911 Advanced Seminar (2-5)
Select one course from the following. POL 4000 Public Policy and Administration (5)
POL 4450 American Constitutional Law (5)
POL/GEO 3305 Urban and Regional Planning (5) ..... 5 POL 4642 Theories of the Political System.


Public Policy Track
OL 1110 Introduction to Politics... $\qquad$ ... .5
Select one course from the following:
POL 1120 American Government (5)
POL 2464 State and Local Politics (5)
POL 2464 State and Local Politics (5)
OL 2320 Comparative Political Systems
Select at least one of the following:
POL 3410 Moral Foundations of American Govt. (5)
POL 3430 Presidency and Congress (5)
GE0 3307 Urban Geography (5)
SOC 3367 Urban Society (5)....
POL 3450 Politics, Parties and Interest Groups (5)
POL 4450 American Constitutional Law (5) POL/GE0 3305 Urban and Regional Planning
OL 4000 Public Policy ............................
POL 4642 Theories of the Politicical Syster. POL 4643 Methods of Polititical Analy Total .....
*POL 4940 Internship strongly recommended
International Affairs Trac
POL 1110 Introduction to Poilitics
GEO 1110 World Regional Geograp.........
Select at least two of the following:
POL 2330 International Relations (5)
POL 3170 Geopoliticics (5)
POL 3440 International Peace and World Order (5)
HIS 2452 History of Modern Global Systems (5) or

Select at least two of the following:
Development of Nations (5)
P0L 4310 International Political Economy (5)
GEO 2207 Economic Geography (5)
GEO/POL 4911 Advanced Seminar (3-5) .............. 8-10
POL 4642 Theories of the Politicical System....................... 5
POL 4643 Methods of Polititical Analysis...................... 5 Electives (consult with advisor)
teast one year of a foreign language or equivalent

Any 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 creatits above to required hours may be added. For students who wish to course work beyond the required credits and in associated majors or minors can be arranged in consultation with the political science advisor.

## Requirements for the Minor

A minimum of 30 PoL credits are required for a minor in political science, of which 15 credits must be upper-divisio courses. The required courses are

POL 2320 Comparative Political Systems (5)
POL 2330 International Relations (5)
POL 3320 Political and Economic
Development of Nations (5).........
POL 1220 American Government and Politics (5)
POL 2464 State and Local Politics (5)
P0L 3450 Politics, Parties and Interest Groups (5) ..... 5
Select one course from the following
POL 3410 Moral Foundations of American Government (5) POL 4642 Theories of the Political System (5)

| Electives .......................................................... |
| :--- | otal ...

ince some courses are not offered every year, students should check a current 'Time Schedule for course offerings.

## PRE-LAW

Reed Davis, Coordinator
PU provides, through a pre-law advisor, assistance to all prelaw students to help them develop a course of study preparing
them for entrance into law school. Students interested in a egal career should contact the pre-law advisors in the Political Science Department as early as possible during their study at SPU. All such students are assisted by a pre-law advisor with hoice of a major and program of courses suitable for law school, and are provided information for taking the Law School Admool. A specific course, POL 3780 , is also offered to enhance the program of all pre-law students as they progress towards law school applications and career choices.

POLITICAL SCIENCE Courses
 heory and practice of politics by discusssing dififerent approaches knowledge has for politcal leadership and citizenship. Atthough the focus is primarily on political behavior in the United States, opportunitity will be taken to examine political practices within oth
countries comparative politics) and among other countries countries (comparative politics and among othee POL 1120 AMERICAN GOVERNMENT AND POLTTICS (5) Surveys the founding principles of the American political system, the: American political culture and the decision making processes and of American democracy. May be taken by media.
POL 2125 BASIC ISSUES IN AMERICAN AND WORLD POLITICS (3) Current and enduring national and world issues are
analyzed in the context of political science methods and concepts and Christian ethical standards. Topic varies each year. (Examples are "Women in Politics" and "Media and Politics.") May be repeated for credit 4 times.
pOL 2320 COMParative political systevs (5) Analyze how nations are governed; Democracies, authoritarian systems and attention to basic questions of human well-veing.
pOL 2330 INTRRNATIONAI REIATIONS POL 2330 INTERNATIONAL RELATIONS (5) Introduces the international political system, contrassing concepts of national
interest to increasing slobal interdependence. Examines concepts of power, influence and ideology; discusses interactions among ideals and realities in policy-making processes, and their relationship to
POL 2464 STATE AND LOCAL POLTTICS (5) Analyzes contemporary state and local governmental institutions and political cohlavior. Special emphasis on public policy issues such as education, poverty, housing and health care. PoL 2641 Girisiticance of Christianity for the development of polilitical thought.
Analyzes the key works and didas of hirsitian political thinkers from significance of hiristit
Augustine to Niebuhr. ${ }_{\text {POL }} 3170$ GEOPOUTICS (5) Current world events are POL 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 economices and poilical geograpiy). role of international law in solving disputes. Course Equivalent: GEO 3170. Class not open to: Freshmen.
POL 3305 URBAN REGIONAI
legal and historical aspects of American uIN (5) Explores the tegar and historical aspects of American urban and regional planning
from a sociological and geographic perspective Constitution planning themes are examined. Both the practicallities of planning and various utpoian plans are presented. Case law is used to Course Equivalent: GEO 03305 . Attribute: Writing Course. POL 3320 POLITTICAL AND ECONOMIC DEV DELOPM NATIONS (5) Studies theories and experiences of "nation-
building," both poolitical and economic, primarily in Third Woil countries. Evaluates concepts of authorityly economic growth and
human well-being and the policices used to achieve these in diferent human well-being, and the policies used to achieve these in differen cullures and systems. Offered alternate years. Class not open to.
Freshmen.
POL 3345 MODERN RUSSIA (5) Surveys Russian social, cuitu and political history with primary attention to the tsarist, revolutionary and Soviet eras, examiningt their legacies for current development
and change. Course Equivalent: HIS 3345 . Atrribut: Writing Course. Class not open to: Freshmen.
POL 3350 MODERN FRENCH POLTTICAL THOUGHT (5) Registration Approval: Travel Studitie Form. Reviews major theme odern French Liberalisism from the fench Revolution to the modern French polititcs. Special emphasis will be placed on the idea and influunce of Christian thinkerss such as Pascal, Montegquieu, Tocqueville, Maritain and Weil. Taught summer only in Europe.
POL 3410 MORAL FOUNDTIONS OF AMERICAN GOVER MENT (5) Analyzes the theoretical significance of American bovernment in the broader philosophhical and historical context of Western political thought. Reviews a wide range of critical political oinion in order to understand the moral Ioundations of the Amentic open to: Freshmen.

POL 3430 THE PRESIDENCY AND CONGRESS: POUITIC OF NATIONAL LEADERSHIP (5) Analyzes executive-legislatio relations by reviewing Constitutional principles and the political
culture of the Washington community, with emphasis on the presidency as an instrument of national leadership. Atribute: Writin PoL 3435 ,
PRACTICE (3) ExS: 20TH CENTURY THEORY AND
theory and practice in the 200th centupy Cont of varieties of Marxis European, Chinese and Latin American experiences with Maris thought and practice. Offfered alternate years. Course Equivalents: EC
POL 3440 INTERNATIONAL PEACE AND WORLD ORDER system, dr system, drawing upon resources from negotiation theory, pea
studies, Biblical models, international law and international organization, with analysis of varying world order models. Course pol 3450 POLITICS, PARTIES AND INTEREST GROUPS (5) Examines the role of political parties in contemporaty Americ government and the implications of weakened parties for governing. The place of interest groups and political action committees is asso.
surveyed, with special attention to the roles PACS play in camang and elections. Attribute: Writing Course. Class not open to: Freshmen pol 3670 HISTORY OF AMERICAN FOREIGN RELATIONS (5) Studies the United States as a participanant in the international system, from colonial dependency to superpower. Proposes a this framework to historicale events considered chronoliogically. Considers questions of morality in relation to foreign policy. Course treshmen. resenmen. 3780 Law and SOCIETY (3) Studies the role of law in
per merican society. Topics include participants in the legal system lawyers, judges, police and juries), the structure of the judicial legal community.
POL 3781 PRE-LAW REVIEW (2) An overview of the legal POL 3781 PRE-LAW REVIEW (2) An overview of the legal profession in preparation for taw school and careers in law. Includes
veadings in law and society, the role of the lawyer in the legal system nod ethics in law. Includes presentations by law school students and practicing attorneys.
POL 40000 PUBLIC POLICY AND ADMINISTRATION (5) study of public policy-making, with special attention paid to the polic
process in its implementation and evaluation stages UTsing case rocesss in its ispiementation and evaluation stages. Using case
studies, analyses of specific policies are undertaken in such areas as ducation, civil rights, energy and social services. Class not open to: Preshmen.
PoL 4310
OL 4310 International political economy (5) xamines the nature and dynamics of the global economy in relation models of national) reglonal and global economic growth.
International trade bysiness and International trade, business and government policy are studied in lass not open to: Freshmen. OL 4450 AMERICAN CONSTTTUTIONAL LAW (5) A study of "constitutuinstitution and the Supreme Court, and the special role of "Constitutional" law in American sovernment and society. Leading vuil libertioses and civili rights are analyzed. Recommended for student OL 4642 THEORIES OF THE POLITICAL SYSTEM POL 4642 THEORIES OF THE POLITICAL SYSTEM (5) xxporres majior themes of normative political thought by reviewing
he key works of Plato, Locke, Rousceau and Augustine Reviews the aturre of justice and governance, of citizenship and obedience and xamines a variety of Christian perspectives on these issues. Attribute OL 4643 METHODS OP POLITICAL ANALYSIS (5) Explor Pproaches and methods by which political scientists work with mpirical evidence to develop knowledge and theory about the nature OL 4900 INDEPENDENT $\operatorname{STUDOY}(2.5)$ Repistration. dependent Study Agreement. Prerequisites: Junior standing; at leas credits in political science. Designed to develop intensive saminination of selected areas of interest in political thought tesearch approved by a poilitical science faculty meted readings and thaximum of 10 credits appliticable to to PoL malior) May h. Maximum of 10 credits applicable to PoL major.) May be repeated
or , 15 credits. Class not open to: Freshmen and Sophomores

POL 4911 ADVANCED SEMINAR: (3-5) Prerequisit issues in politics, government and political science, See current TTme Schedule for topics. May be repeated for creditit up to 25 credits. Course Equivalent: GEO 4911. Atribute: Writing Course. Class not open to: POL 4940 POLITICAL INTERNSHIPS (2-15) Registration Approval: Instructor. Prerequisites: Junior standing, 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 appanizuations, Avaiabale with a program designed in advance and credits applicable to POL major.) May be repeated for credit up to 30
credits. Class not open to: Freshmen.

## PRE-PROFESSIONAL HEALTH PROGRAMS

## RRE-MEDICINE AND PRE-DENTISTR

## A. Kenneth Moore, Coordinator

It is importtant to stress that medicine and dentistry are recognized as areas in the healing arts. As such they are best sienved by practitioners well grounded in the liberal arts, human Strong competition exiensts for
hools, especially in medicine and itsion to professional dvising from the Coordinator of Pre-Medicine and ProDentistry to plan a strong program. To become a competitive andidate, one must be well acquainted with the requirement and procedures as outlined below.
There are several factors considered by medical and dental selection committees including the student's grades, the MCAT Health Science Committee; other support letters; and an nterview with the medical or dental school admissions mittee

MEDICAL SCHOOL ADMISSIONS CHECKLIS irst two college year
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 hat other courses taken are in areas of interest which 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
which interests you the most. which interests you the most.
committee, and how it functions. Speak with senio students and learn of their experiences with them.
3. Involve yourself with extracurricular commitments that are of interest to you, reflect your interest in medicine, and demonstrates service to the community.
4. Develop friendships with members of the faculty who share
common interests with you. This will enable then to better function in a support capacity during your application process.
. 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 some area, your ability.
Arrange with the premedical advisor for your premedical field experience (NMS 3980) toward the end of your second
year.

Third Year:
rove or maintain a high academic perfor
2. mance

Colleges' coleges Medical School Admission Requirements. Study medicine that may have new entering classes.
medicine that may have new entering classes.
3. Prepare for the MCAT (some may choose to enroll in special 3. Prepare for the MCAT (some may choo
courses taught to improve test taking).
4. Discuss your relative chances of entrance to medical school with your premedical advisor and other members of the faculty whom 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.
5. Carefully assess your chances for entrance into medical where you think you might have a better chance of admission.
6. If you are prepared to take the MCAT, apply in early winter 7. take the test which is given in April.
7. At the end of your junior year, write to the medical schoois of interest to you for bulletins.
8. Use the summer to complete all admissions forms or AMCAS forms and mail them early.
Fourth year:

1. Be sure that all necessary materials, i.e., transcripts, recommendations, and MCAT scores, have been forwarded to AMCAS or the medical schools of your interest.
2. Make arrangements with the Coordinator to have an
interview with your premedical advisory committee. Upon nterview with your premedical advisory committee. Upon
request, the committee will provide an appropriate letter of recommendation for you to the schools to which you apply.
3. If you haven't taken the MCAT apply in early summer to
take the test in August.
4. If your MCAT scores are poor or only average, consider retaking the test.
possible. To be eligible for fioan applications as soon as the FAF form. Consider other means of financing if necessary.
5. In early autumn continue to evaluate your admission potential. You may decide to apply to additional medical schools. If so, be aware of their application deaduine
6. If you are admitted to the school of your choice, notity
other schools in which you are no longer interested to help accelerate the admission process for them.
7. As the school year progresses, send any additional items (such as first quarter grades) to the schools considering your application.
8. If you are placed on the waiting list, continue to add to your strengthen your applicdits, honors, experiences, etc., to If you are admitted to
deposit and begin pla medical school, forward your
If you are bot admitted for housing and loans, etc. with the Coordinator

## summary of procedure

A summary of procedure:

1. Open a file with the Coordinator of Pre-Medicine and PreDentistry as soon as possible in your first year
2. Schedule the Pre-Medical or Pre-Dental Field Experience (NMS 3980).
. Arrange for a Pre-Professional Health Science Committee interview and a committee evaluation letter
Take the MCAT in either April of your junior year or September of your senior year. Summer yourween your junior and senior years.

## ENERAL COURSEWORK FOR PRE-MEDICAI

 AND PRE-DENTALince 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
Chemistry (including 1 year general, 1 year organic) ...... 30 Biology (1 year general plus selected
upper-division core courses) ........................... 20-25
Ppper-arision core courses) ..........................................-25

Additional science courses are strongly recommended in anatomy, biochemistry, cell biology, developmental biology, genetics, histology, physsical chemistrty, 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 undergraduate work and a bachelor's degree.

## DENTAL HYGIENE

## Annalee Oakes, Coordinator

students planning a career in dental hygiene have two popular options available for completion of their academic education: (1) take a two year pre-dental hygiene program at SPU prior to transferring to a university which offers a bachelor of science Science at SPU and take a fifth year program at a selected university. Required courses include:

B10 1111, 1112, 1113 General Biology
BIO 2129, 2130 Human Anatomy and Physiology............ 10 CHM 1211 General Chemistry .....
 SOC 1110 Introduction to Sociology
Communication.
In addition, Physics is strongly recommende

## MEDICAL RECORDS ADMINISTRATION

 Annalee Oakes, CoordinatorStudents wishing to enter the field of medical records administration may take part of their education at SPU and part at another college or university. Students who wish to receive their bachelor's degree from SPU must satisfy require ments for a major at SPU before taking professional course requirements. Specific courses to be taken include:

CHM 1211 General Chemistry
PHI 1101 Introduction to Phil
PSY 1180 General Psychology
BIO 1111 General Biology

B. 232,1131 man Anatomy and Physiology ............... 10

MAT 1360 Intraduction to
MAT 1360 Introduction to Statistics.......
BUS 3414 Business Law
BUS 3414 Business Law ..........................
BUS 3614 Management Theory and Behavio
BUS 3620 Management Information Systen
BUS 3620 Management Information System
BUS 3657 Human Resource Managenent

## MEDICAL TECHNOLOGY

Wesley Lingren, Coordinato
Most hospitals and clinics expect to hire medical technologists of Registry of the American Society of Clinical Patho the Board (ASCP). Such individuals are said to be registered medical technologists and carry the designation MT(ASCP). To be
eligible for certification a student must have obtained a
baccalaureate degree from a regionally accredited college or university and must have appropriate clinical training.
SPU offers a curriculum which will lead to a baccal
SPU ofiers a curriculum which will lead to a baccalaureate time clinical training program. Hospital training lasts one calendar year and is usually done the year following gradua-
tion.
Hospital training programs, as well as the Board of Registry, require that candidates present at least 24 quarter hours of biological science (at least 5 hours in microbiology), 24 quarte chemistry and one five hour course in mathematics. It is also fighly recommended that students take courses in Parasitology and Analytical Chemistry (9 hours). Fundamental knowledge of computers and general physics would also be very helpful. Most prospective medical technologists follow a normal. four-year university schedule with careful attention given to the either biology or chemistry but it is not necessary Graduation is followed by the year of full-time clinical training. Hospitals tend to start their training programs in the summer and the selection process for each class starts as early as the previous November. A student should use the summer and materials from hospital programs of interest Applictions hould be completed and mailed early in the autumn quarter of the senior year (check with the individual hospitals for
deadlines). Financial aid is available at some hospital
contact hospital education advisor) but, as a rule, hospitals do
not provide stipends for their students in training.

## ECOMMENDED CURRICULUM

## irst Year

IM 1211, 1212,1213 General Chemistry
0 1111, 1112, 1113 General Biology $\qquad$
neral education requirements.
Second Year
Bi0 3351 General Microbiology
 AT 360 Introduction to Statistics
 General education requirements..

## Third Year

HM 3371, 3372, 3372 Organic Chemis
oundation requirements
eneral education requirement $\qquad$ ctives*, courses in major ourth Year
10/CHM 4361, 4362 Biochemistry $\qquad$ andation requirements quirements......... Electives*, courses in major ..

## PHYSICAL THERAP

A. Kenneth Moore, Coordinator

In orcer to meet American Physical Therapy Association accreditation standards, all physical therapy educational Trograms are required to lead to a graduate (master's) degree Therefore, students seeking admission to a physical therapy any field plus include the following prerequisite coursework:

ENG 1105 Writing in College or
NG 2205 Writing to be Read..
BIO 1111, 1112, 1113 Genaral Biolo...............................
B10 1111, 1112, 1113 General Biology
BIO 3251 General Microbiology and Physiology
CHM 1211, 1212, 1213 General Chemistry
CHM 3371, 3372 Organic Chemistry ... PHY 1101, 1102, 1103 General Physics SC 1112, 1215 Introduction to the
Computer, Introduction to DOS Applications .........
PSY 1180 General Psychow.ogy..............................
PSY 2470 Life Span Developmental Psych............................................. 4460 Abnormal Behavior

## PRE-OPTOMETR

A. Kenneth Moore, Coordinator

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 naid or volunteer) under the supervision of a evidencese of work optometry, extra curricular activities and community service, and strength of recommendations and on-campus interviews. Enrollments are limited and admission is selective. All pre optometry courses must be completed before entering a colleg
of optometry. The following represents of optometry. The following represents a minimum pre-

Biological lab sciences (BIO 1111, 1112, 1113;
some schools prefer BIO 2129 and
2130 and BIO 3351) ..............................
General Physics (PHY 101, 1102, 1103 General Physics (PHY 1101, 1102, 1103 or or................ 15-20 1121, 1122, 1123) General Chemistry (CHM 1211, 1212, 1213)...................... 1 Organic Chemistry (CHM 3371, 3372, 3373) ...................... 5-15 Statistics (MAT 1360 or HSC 4044) Calculus) ............ 5-1 Psychology ... 1360 or HSC 4044)..
Psycholog.......................................................
English (Must include a course in expository writing).....
Total

## PSYCHOLOGY

Mícheál Roe, Cbair; Joy Hammersla Delbert McHenry, Les Parrott III The science of psychology explores the nature and causes of maintain psychological and social health. Modern psychology maintain psychological anc social reveal new understandings,
constantly changes as discoveres hew research possibilities, and new applications to the huan Condition.
Psychology provides an excellent background for careers in
not counseling, teaching, social service, medicine, nursing, law, business, and many other areas of work where interpersonal
skills are needed. Our program allows students to obtain a double major, thereby combining career interests. Seattle Pacific University's location in an urban area provides students with opportunities to gain field experiences in mental health clinics, social agencies, ecucactional institutions hospitals, and the business world. An interistip abilities, and available to ensure a makn ber demands of the field experience. interests of the student and the demands of the field expench
Research assistantships and less formal opportunities to work with psychology faculty on research projects are available to winterested students. Leadership skills can be enhanced by participating as a small group discussion leader for students in General Psychology.

The psychology program at Seattle Pacific University endeavors to accomplish four goals: (1) To provide students 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-humann compe, and
actively showing mercy and compassion to the vulnerable, and actively challenging and changing aspects of society which deny or denigrate persons.

Total ......................... PSY 1180 and PSY 1185 in first or second year; PSY 2360 or MAT' 1360 in second year; PSY 3588 in second or third year; PSY 3448 in third year; PSY 4688, and PS 4910 or PSY 4940 or PSY 4970 in fourth year
lectives - Select 5 credits from each of the
following four areas:
Developmental Psychology
PSY 2470 Life Span Developmental Psychology (5)
PSY 2470 Life Span Developmental Psychology (5) PSY 3460 Child Developmental Psychologg (5) 4420 Adolescent Developmental Psychology (5) . 5 Social Psychology
PSY 3438 Social Psychology (5)
PSY 3439 Motivation and Leadership (5) .................. 5
Physiological Basis of Behavior
PSS 4388 Sensation and Perception (5)
PSY 4488 Physiological Psychology (5) .................. 5
Plinical/Counseling related areas of Psychology
PSY 3442 Psychology of Personality (5)
PSY 4460 Abnormal Psychology (5)
PSY 4470 Counseling Theory and Practice (5) ........... 5
Minimum of 5 additional credits as "free" electives.......... 5 Total ...
A minimum of 28 of the 55 credits required for a psychology major must be earned in upper-division courses. Both PSY 1250 and PSY 2250 must be successfully completed if the student desires to apply these courses toward the 55 credits in a psychology major.
*Transfer students entering SPU with at least 15 credit bours *Transfer students entering sPU will at eaw of ssybboloy coursework may request a waver of the PSY 1185 requivement and fulfill the 2 credit hours associated with PSY 1185 through other course experiences.

## Requirements for the Minor

(minimum of 30 credits)
Required core courses:
PSY 1180 General Psychology .................................... 5
PSY 1185 Orientation to Psychology as a Discipli
Behavioral Science (5)
MAT 1360 Introduction to Statistics (5)
SY 3588 Psychological Research Methods "Free" electives
total ................................................................. 30
A minimum of 15 of the 30 credits required for a psychology ninor must be earned in upper-division courses. Both PSY 1250 and PSY 2250 mast tudent desires to

Transer students entering SPU with at least 15 creail bours of psycbology coursework may request a waiver of the PSy 1185 reauirement and fulfill the 2 credit bours associated with PSY 1185 through other course experiences

## Complementary Preparation

Additional study of human cultures and human agencies will better prepare psychology students to serve in this world. In consultation with sociology and anthropology faculty,
coursework in anthropology and social service is recommended

## PSYCHOLOGY Courses

## psy 18 g general psighologr: individual in

 GROWTH (5) Introduces psychological principles of intrapersonal dynamics, interpersonal relationships, human development,abnormal behavior and the psychological processes of learning, abnormal behavior and the psychologie
perception, motivation and cognition.
gy 1185 ORIENTATION TO PSYChology as a disclPLINE (2) Prerequisite: PSY 1180. A foundation course which PLINE (2) Prerequisite: PSY 1180. A Houndation course fich Students will have practical experience in locating, reading, and interpel hinping.

## PSY 1250 RELATIONSHIP DEVELOPMENT I (2) A found

 PSY course introducing healthy relational principles through selfexploration of interpersonal needs and dynamics. Tncludes theapplication of psychological research to gender differences, family of
oitisi issues, relational needs, and the dating process. origigi isues, realational needs, and the dating process.
PSY 2250 RELATIONSHIP DEVELOPMINT II (2) PreerequiPSY site PSY 1250. Presents the conceptual and practical basis for making sile:P
healthy relational commitments. . .ncludes the appicication of
and psychchological research to friendship, love, intimacy, marital myths,
and mate selection. Class not open to: Freshmen and Sophomores. and mate selection. Class not open to. Frestmen and Sophomores.
PSY 2360 NTIROUCTON TO STATISICS IN SOCIAL AND BEHAVIORAL SCIENCES (5) Prerequisites: High school algebra o equivalent; satisfactory completion of math competency requirement,
PSY 1180 . Presents the conceptual basis and application of statisistical analysis in social and behavioral research. Includes descriptive statistcs, correlation and regression, hypothesis testing and inferentia statistics. An introduction to Analysis of Variance and non-parametric
statisics will also be provided. Course Equivalent: SOC 2360 . statistics will aiso be provided. Course Equivalent: SOC 2360 .
PSY 2418 PSYCHOLOGY OF LEARNING (5) Prerequisite: P 1180. A study of classical conditioning, instrumental learning and memory with special emphasis on theory, methodology, findings and 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. PSY 2470 LIFE SPAN DEVELOPMENTAL PSYCHOLOGY (5) Prerequisite: PSY 1180. Surveys human development from conception to death, focusisig on the interfacing processes of physical, cognitive,
scial emotional and moral development within sociocultural sccial, emotional and moraal development widin socionas associated
contexts, including developmental task and transitions contexsts, including developmental casks and transitions associated
with developmental stages. Students may not receive credit for both
PSY PSY $2470 / 3477$ and PSY 3460.
PSY 3438 socl
PSY 3438 SOCIAL PSYCHOLOGY (5) Prerequisites: PSY 1180. Reconmmended: PSY 1185 . Studies human social behavior and social Influence processes. Major topics include affiliation, aggression, compliance, conforminty, cooperation and persuasion. Students may not receive credit for both PSY 3438 and SOC 4440 . PSY 3439 MOTIVATION AND LEADERSHIP (5) Prerequisite:
PSY 1180. Recommended: PSY 1185. Presents the theories and principles of motivation and leadership with preactical applications in business, church, community and educational settings.
PSY 3442 PSYCHOLOGY OF PERSONALITY (5) PSY 3442 PSYCHOLOGY OF PERSONALITY (5) Prerequisite:
PSY 1180. Survess the major theoretical views of eersonalu emphasis on comparison, contrast and practical implications for improving the understanding of self and others.
(5) Prerequisites: PSY 1180,1185 and MAT 1360 or PSY 2360 at foundational course for anyone who, with additional training, intend loundational course for anyone who, with addititional training., intends
to use educational or psychological tests or evaluations. Develops
concepts and skills used in in the devel poment selection administron cancepts and stils of psychological tests and non tetesting means of
evaluation.
PSY 3460 CHLD DEVELOPMENTAL PSYCHOLOGY (5) Prerequisite: PPY 1180. Surveys child development from conception
through pre-adolescence, focusing on the interacting processes of physical, cognitive, social, emotional and moral development within scciocullural contexts, including parent-child relationships. Includes an introduction to the observation, measurement and evaluation of 2470/3470. PSY 3470 LIFE SPAN DEVELOPMENTAL PSYCHOLOGY - M (5) Prerequisite: PSY 1180 . Survers human development from
concention conception to death, focusing on the interfacing proceseses of physical,
cognitive, social emotional and moral development within cognitive, social, emotional and moral development within
sociocultural contexts, including developmental tasks and tra sociocultural contexts, indluding developmental taks and transitions
associated with developmental stages. Cannot be taken for credit if
PSy PSY 2470 Life Span Developmental Psychology o PSY 3460 Child
Psychology

SSY 3588 PSYCHOLOGICAL RESEARCH METHODS (5) Prerequisites: PSY 1180 , MAT 1360 or PSY 2360 . Recommenced:
1185. Explores the nature of scientific inquiry, the variety of psychological research methods, the desing of internally and
externally valid studies and the epplication to designs of stat externally valid studies, and the application to designs of statistical
techniques. Develops skills in locatina interpreting and evaluating techniques. Develops skills in locatitig, interpreting and evaluating
published research. Soc 3751 may be substituted for PSY 3588 in Psychology major, although PSY 3588 is the preferred course.
Students may not receive credit for both PSY 3588 and SOC 3751 PSY 3600 SMALL GROUP LEADERSHIP (2) Registration applications of research regarding small group interaction and leadership. Wil provide sudents with practical supervised experience in group leaderssip. May be repeated for credit 2 times. Class not open PSY 4388 SENSATION AND PERCEPTION (5) Prerequisites PSY 1180, 1185. Surveys experimental research and basic theories relevanat to human inforration processing; emphasis is given to-
vision, and in particular the study of sensory pachanis pattern recopition color depth and sensorion perction, attention, patiern recognition, color, deptht and motion perception. Applies
principles of sensation and perception in student-selected areas during he last half of the course. Extra fee.
PSY 4402 PSYCHOLOGY OF RELIGION (3) Prerequisite: PSY ris0. 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. Class not PSY 4410 CROSS-CULTURAL PSYCHOLOGY (3) Prerequisites: At least one introductory course in the Social and Behavioral Sciences. Acomparative study of perception, cognition and life span developing Western and non-Western welld views and theired on understand such topics as child rearing practices, psychosocial adjustment and spiritual expression. Class not open to: Freshmen and Sophomores
PSY 4415 COGNITIVE PSYCHOLOGY (5) Prerequistes PSY PSY 4415 COGNITIVE PSYCHOLOGY (5) Prerequisitess. PSY
1180,1185 . A study of theories, methodologies and findings of $180,1185$. A A study of theories, methodologies and findings of
cognitive psychology. Focuses on the information processing aspect cognitive psychology. Focusses on the information processing aspects
of memory, concept formation, reasoning, problem soving, and development.
PSY 4420 AD
SYY 4420 AdOLESCENT DEVELOPMENTAL PSYCHOLOGY (5) Prerequisite: PYY 1180.0 Overviews adolescent development
focusing on the interaction of the physical cognitive emotion moral, social, fanililial eductional and voctional dimensions with sociocultural contexts. Includes an introduction to the observation measurement and evaluation of adolescents.
PSY 4428 EXPERIMENTAL PSYCHOLOGY (5) Prerequisites PSY $1180,1185,2360$ or MAT 1360 . Studies and applies single and format. Emphasisis is given to the use of Analysis of Variance. Offered alternate years. Attribute: Writing Course.
Recommended PSY 4185 BEHAVIOR (5) Prerequisites: PSY 1180. Recommended: PSY 1185. Provides critical analysis of the history, modern methods of asessment and treatment. Emphasizes an interdisciplinary approach to understanding maladaptive behavio PSY 4470 COUNSELING, THEORY AND PRACTICE (5) Registration Approval: Instructor. Prerequisites: PSY $1180,1185,3442$
overviews the current approaches and techniques of pschological counseling. Examines the critical issues of counseling with an emphasis on personal skill development. Provides application through uss of role play, supervised experiences and video tape recording.
PSY 4488 PHYSIOLOGICAI PSYCHOIOGY ( $)$ Prereq. PSY 1180, 1185. The biological bases of behavir are explored by PSY 1180, 1185. The biological bases of behavior are explored by
combining essential conceppts in anatomr, physiology, biochemistry combining essential concepts in anatomy, physiology, biochemistry nervous and endocrine systems are presented as a foundation for behavior.
PSY 4688 HISTORY AND SYSTEMS OF PSYCHOLOGY (5) prerequisistes: PSY 1180,1185 and a minimum of 25 hours of the development of ssychologog as a discipline. Emphthasis is given of the development of pyychology as a discipline. Emphasis is given to contemporary trends in pyychology. Class not open to: Freshmen and Sophomores.

PSY 4900 INDEEENDENT STUDY (1-3) Registration Approval mill carry out an extensive exploration of a topic. in psychology. Study is under supervision of a psychology facully member, and builds on previous course preparation in psychology. Objective is to provide
greater depth in analysis, synthesis and evaluation of the topic of greater depth in analysis, synthesis and evaluation of the topic on applied toward the minimum 30 needed to complete the minor. Credit variable up to a maximum of 3 per term. May be repeated for credit p 109 credits. Class open to juniors and seniors. Registration Approval: Instructor. Prerequisites: PSY 1180, 1185, junior or senior standing. Seminar style course designed to consider contemporary and controversial issues in psschology. Not offered ever year. May be repeated for credit 3 times. Attribute: Writing Course.
Class open to. Psychology maiors. Class not open to: Freshmen and Sophomores. PSY 4940 INTERNSHIP IN PSYCHOLOGY (1-5) Registration Approval: Instructor. Prerequisites: PSY 1180, 1185 , junior or senior
standing. Provides fied experience in some phase of pyychological work in the community. Twenty-five hours of fied work will be completed for each credit. Credits may not be applied toward the minimum 30 neded to complete the minor. For students desiring placements in social service agencies; $\operatorname{SOS} 4310$ and $\operatorname{SOSS} 4380$ are
recommended. May be repeated for credit up to 15 credits. Class not open to: Freshmen and Sophomores.
PSY 9970 INDEPENDENT RESEARCH (1-3) Registration Approval: Instuctoror. Prereqisites: 1 SYY $1180,1185,358$, junior or
senior standing Student will cary out empirical research under the supervision of a pyychology faculty member and synthesize the findings in a written research report. Objective is to apply skills in research methods and data analyys. Credits may not be applied
toward the minimum 30 needed to complete the minor. Credit toward the minimum variable up to a medeximum of 3 per term. May be repeated for credit up to 9 credits. Class not open to: Freshmen and Sophomores.

## RELIGION

Robert Drovdahl, Chair; Miriam Adeney, William Lane, Eugene Lemcio, Frank Spina Les Steele, Dwight Van Winkle, Robert Wall

The Department of Religion offers majors in educational ministry/Christian education and religious studies. Both majors are built on the foundation of a common core reflecting the Wesleyan quadriateral of Scripture, Christian tradition, reason, and personal experience. Each major then adds additional credits in specialized course work. Through these majors graduates are prepared for employment in church childen's minister) parachurch positions (in camping, student development or Christian service organizations), and graduate study (in seminaries or advanced degree programs in preparation for a pastoral appointment or college-level. eaching).
The Department also offers four minors: biblical studies, ross-cultural ministries, educational ministry, and youth ministry. A religion minor complements any major of then Christian faith while pursuing one's chosen major.

## Admission to Majors

In order to be admitted to declared major status, a student must have a cumulative GPA of 2.00 or higher in all previous college credits, and have attained at least a " $C+$ ' grade (h.se
criteria have been met an application for admission must presented to the Department Chair This will include the following:

1. Tentative, brief statement of career goals,
2. An unofficial transcript of work completed at the University . For the Educational Ministry/Christian education major,
"B-" grade or above.

## EDUCATIO

DD Geld of educational ministry traditionally known Christian education, is an interdisciplinary area addressing the question of how we tacilitate spiritual development in persons. To answer this question the field explores the foundational areas of theology, biblical studies the social sciences, and lucational phillosophy.
nal ministry is recommended for tional/equipping ministry of theelopment and the educational/equipping ministry of the church. It provides a pre-
professional course of study within a liberal arts perspective fo 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.

## Requirements for the Major <br> <br> Requirements

 <br> <br> Requirements}Biblical Heritage Foundations requirements.................. 10 Select one upper-division BIL course .... History of Christianity
Select two courses from the following
REL 3601 Early and Medieval Christianity (5) REL 3602 Reformation and Modern Christianity(5) REL 3631 Women in the Christian Tradition (3) ... 8-10
Christian Theology
Select one course from the following
REL 3701 Exploring Theology (5)
REL 4725 Issues in Theology (5)
Christian Life and Ministry
select one course from the following:
REL 1501 Dynamics of Christian Formation (5)
REL 1501 Dynamics of Christian Formation (5) ducational Ministry
REL 2560 Foundations for Educational Ministry .............. 5 EL 2563 Curriculum and Instruction ..........
 EL 4571 Current Issues in Educational Ministry ......................... ELL 4581 Leadership in Educational Ministries REL 4584 Child Development and Educational Ministry"
REL 4585 Adolescent Development
and Educational Ministry*.
ent and
Educational Ministry
One practicum credit (REL 3930/4930) with age-level courses recommended

## RELIGIOUS STUDIES

Courses in religlous studies provide students the opportunity to stude bibical literature and Christian theology. The value of his major within the liberal arts is to nurture those skills and capacities required of a thoughtful and articulate faith. As
result of maioring in religious studies, the student is well prepared either for the work place 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 Major

Biblical Literature
Biblical Heritage Foundations requirements................... 10 Select one course from the following:

BIL 3301 Genesis (5)
IL 3401 The Life and Teachings of Jesus (5)
BIL 3402 Acts: Vocation and Vision (5)
BIL 3403 Paul and His Mission (5)
Select two courses from the following:
BIL 4301 The Former Prophets (5)
BLL 4301 The Former Prophets (5)
BIL 4302 Old Testament Writings (5)
BIL 4402 The Book of Revelation (5).
 $\ldots . .$.

## History of Christianity

Select two courses from the following:
ELL 3601 Early and Medieval Christianity (5) REL 3602 Reformation and Modern Christianity (5)
REL 3631 Women in the Christian Tradition (3)
REL 3631 Women in

## REL 2720 Introduction to Theology

REL 3701 Exploring Theology.
REL 4725 Issues in Theology.
Christian Life and Ministry
Select two courses from the following
REL 2560 Foundations for Educational Ministry (5)
REL 4498 World Religions (3) .................in Faith (5)
REL 4498
Total .. $\frac{8-10}{61-65}$

## PROGRAMS FOR MINORS

For students with declared majors in other fields, a minor in a religion discipline provides an excellent opportunity for studyying the Christian faith beyond the Foundations require-
ments. Minors are offered in biblical studies educational ministry/Christian education, cross-cultural ministries and outh ministry. A minor in one of these areas will enrich the Christian perspective in a student's chosen major and strengthen the connection between Christian faith and one's life in the work-place, in the home, in the church and in the
world

## BIBLICAL STUDIES

The minor in biblical studies affords the opportunity to focus on biblical literature at a less concentrated level than the majo in religious studies. Still, its primary purpose is to move the student toward a thoughtfful, integral, articulate Christian faith appropriate as a complement the mernor in biblical studies is appropriate as a complement to other liberal arts or profes graduate studies in the humanities or professions.

Old Testament upper-division courses
one from 4000-level BLL offerings**)
New Testament upper-division courses (one from 3000-level BIL offerings and one rom 4000 -level BIL offerings*)
Biblical Heritage Foundations requirements.
 the 4000 -level course requirement

## EDUCATIONAL MINISTRY/CHRISTIAN

EDUCATION
ssues in spiritual development and the educational/equipping ministry of the church affect all Christians. A minor in ducational ministry provides an ideal program for exploring hese issues and strengthening a student's ability to serve in present and future life-roles: church leader or teacher, Christian arent, a profession which involves a helping relationship, and

REL 2560 Foundations of Educational Ministry $\qquad$
EL 2563 Curriculum and Instruction $\qquad$ $\cdots$
REL 4581 Leadership in Educational Minis
lect two courses from the following age-level courses:
Educational Ministry (3)
REL 4585 Adolescent Development and
dducational Ministry (3)
EL 4586 Adult Development and
Educational Ministry (3).
One course from the Christian Theolog............................. 6
Elective course work in educational ministry ............ 5 Elective course work in educational ministry

## CROSS-CULTURAL MINISTRIES

The cross-cultural ministries program offers a minor, an internship, and a certificate. The internship and certificate serve all majors and minors throughout the University. The program works closely with the Office of Campus Ministrie, through which many opportunities for supervised field experience are available.

REL 3383 Foundations for Witness and Service
REL 3441 Living in Another Culture
REL 3487 Field Service Methods.
REL 4401 World Christian Classi
REL 4498 World Religions..
Select two courses from the following
REL 3488 Cross-Cultural Communication (3)
REL 3499 Community Develo
REL 4419 Culture Area Study (3) ( 3 )
REL 4910 World Christianity: Senior Tutorial 419 Cepeated) .. 6

*An intern spends one to two terms in an etbnic communi overseas or locally, working on an academic project and be in the student's major, in cross-cultural ministries or joint project.

International Service Certificate
This brief program offers useful training for students who hope enough courses to earn a minor in cross cultural ministries. Requirements for the certificate:

Select one course from the following
REL 3401 Living in Another Culture (3)
REL 3488 Cross-Cultural Communication (3) ............. 3
Select one course from the following:
REL, 4419 Culture Area Study (3)
REL 4498 World Religions (3).
 International Business) or a second course chosen between REL 3499, REL 4419, REL 4498 ....................................-5-5

## YOUTH MINISTRY

Reaching today's youth with the Gospel requires dedicated, capable leadership. The minor prepares students for effective ministry with youth.

## Young Life Program

tudents may combine the youth ministry minor with a upervised internship with Young Life. Interns may work hurch Partnership program or full-time Young Life staff. Fo more information, contact the Department of Religion.
COM 1101 Introduction to
Interpersonal Communication
SSY 4420 Adolescent Developmental Psycholo.
REL 2560 Foundations or Educational Ministry ................
REL 4585 Adolescent Development
and Educational Ministry .................
elect one course from the following:
REL 3487 Practical Mission Strategies (3)
SOC 3862 Racial and Ethnic Minorities (5).............3-5
Select one course from the following:
COM 1321 Speaking Before Groups (5)
COM 2227 Small Group Discussion and Leadership (5)
REL 2563 Curriculum and Instruction
Select one course from the following:
COM 4940 Internship (2-5)
…............................-3-5
Recommended courses: Students wanting to supplement the minor with additional course work should consider courses in biblica
tion.

## RELIGION Courses

## BIRLICAL LITERATURE*

bIL 1220 EXPLORING BIBLICAL LITERATURE (5) The Bible is our most treasured book, yet sometimes seems difficult to und understand and impractical to use. This course will benenefitstudentits to God, whose story of transforming love is told by different biblical increase as students study the Bible in the light of its literary, historical and cultural contexts. Tools of carefull Bible study yre provided which enable students to explore the meaning of significant
bibicical passages and to adapt their message to contemporary faith and life. Class not open to tudents who have enrolled in BL 3101 or 3201 .

BIL 3101 OLD TESTAMENT INTRODUCTION (5) Expiores the literature and history of the Old Testament in the light of its
geographical, poilitical, and cultural settings. Presents an inductive
study of selected iterary units, majoor themes, text and canon. . lass study of selected literary units, major themes, text and canon. Class
not open to students who have enrolled in BLL 1220 . This course is not open to students wha have enailable by media. Class not open to: Freshmen.
BLL 3201 NEW TESTMMENT INRODUCIION (5) Explores
the iterature and history of the New Testament in the light of it the iiterature and history of the New Testament in the light of its, social) literary and biblical contexts. Application is made to today's 1 .
of faith, class not open to students who have enrolled in BLL 1220 . of faith, Class not open to students who have enroiled in BLL 122.0 .
This course is also avallable by media. Class not open to Freshmen. BIL 3301 GENESIS (5) Prerequisite: BLL 12200 or 310101 If we don't begin with Genesis, we don't teally begin! The book of Genesis
addresses the most important cuestions of human life: "Where did the axdresses the most important questions of human ilie. "here uad the have its beginning and what does God plan to do about itip" In answer
Genesis tells the conpelling story of a powerful but peesonal God, and Genesis tells the compelling story of a powerful but personal God, an a people who are sometimes saintly and often outrageous. By this
story the fate of the whole world can be properly understod. Attribute: Writing Course.
BIL 3305 ISAAH (5) Perequisites: BLL 1220 or 3101. Afte learning to properly interpret prophecy, we listen to Isaiah's answers to these questions: How does God work with those who believe God's What comfort can there be for those who suffer and are disappointed with God?
Lerequiste: BIL 1220 or 3101 (non-media) Hilghlights main feature the book of Psalms, its structure and content, with a survey of Hebrew poetry. Emphasizes study of individual Psalms in their
respective groups. This course is available only by media. Class oper tespective groups. This course is available only by media.
to. Juniors and Seniors. BiL 3401 THE LIFE AND TEACHINGS OF JESUS (5) rerequisite: BLL 1220 or 3201 . "Will the real jesus please stand would major revoultion in sociey's and he chuech s is own terms. So, in this occur if he were allowed to speak and act on his own terms. so, m ourre, studentsts will be engageded in direct study of ine gosper n paralel form (alongside one another) and according to thei authors' literary methods.
3402 ACTS: VOCATION AND VISION (5) Prerequisite: BIL 220 or 3201 . The Acts of the Apostles tell Luke's story of the first and divine calling, of Spirit and sacrifice. Our study will seek to Inderstand the reeevance of Luke's message withinh his first century BILL 3403 PAUL AND HIS MISSION (5) Prerequisite: BIL 1220 or 3201. A fully contextual approach to Paul demonstrateses he nissionary character of his call, vision, and thought. Paul proves to ask of nurururing young congregations. The approach to Paul's letters lask of nurturing young congregations.
is historical, sociological and theological.
BIL 3408 ROMANS - M (5) Prerequisite: BIL 1220 or 3201 (nonmedia). Develops the argument in Romans as a summary of Paul's message, and as his historic response to the controversies provoked by
his Gentile mission. Applies to concerns of today's church. This course. savailable only by media. Class not open to: Freshmen and
SIL 4301 THE FORMER PROPHETS (5) Prerequisite: BLL 1220 or 3101. Covers Joshua, Judges, I and II Samuel, I and II Kings. Surveys the historical background, ititrary analysis and theological terpretation of this important biblical corpus. Attribute: Writing Course. 4302 OLD TESTAMENT WRITINGS (5) Prerequisite: BIL 1220 or 3101. Covers Psalms, Proverbs, Job, Song of Songs, Ruth, Lamentations, Ecclesiastes, Esther, Daniel, Ezra-Nehemiah, and
Chronicles. The instuctor will seiect which of these books will be Chronicles. The instructor will select which of these books will be emphasized. Examines the historical background, literary analysi
and theological significance of selected books contained in this division of the Hebrew canon. Attribute: Writing Course.
BII 4401 THE NON-PAULINE LETTERS (5) Prerequ BIL 4401 THE NON-PAULINE LETTERS (5) Prerequisites: BIL 1220 or 3201 A A study of the New Testament letters from Hebrrews to Jude, with a attention on the book of James. Attention to the distinctive
contriiutution each writing makes to a fully biblical vision of Christian contribution each writing makes to a fuly bibical yision of Christ
life and faith. The approach to these writings will emphasizt eheir
complementary relationship to the Pauline elters within the New complemene
Testament

BIL 4402 THE BOOK OF REVELATION (5) Prerequisite: BIL Testament and the "hanpy but "problem chill"" of the New this book, if read intellipgently and symg sypuathetically, can become the bibles a crofound influence and note psschhology. Attribute: Wrrting Course.
BIL 42020 or 3201 An in indenth study of stuby: (3) Prerequisite: BLL 1220 or 3201 . An in-depth study of a selected book of the New
Testament. Biblical study methods are introduced and emploed to construct the original, canonical, and continuing significance of that book's argument for God's people. Emphasis is placed on the ongoing Schedule for book selected to study. May be repeated for creditit 1 time Atrithute: Writing Course.
bil 4601 Biblical theology (5) Prerequisites: BLL 1220 3101 or 3201 . The Bible testififes in a variety of ways to what God did this biblical testimony fascinating and compelling tn add peoplop find who regard the Bible as God's gift to the community of fatith will find its message indispensable for their spiritual, moral and theological Iormation. Attribute: Writing Course.
BIL 4900 INDEPENDEYT STUD independent Study Agreement. May be repeated for credit tup 15 Indepent
creditis.
*Trerequisite to taking a media counse in biblical literature,
standing and must document prior completion of a regularty scbeduled BLL 1221,3101 or 3201 course ino order to obtain permission of instructor to register. Only 5 media creditit may be
applied towards Foundations requitrements and a major within he Department of Religion.

## GREEK

Greek cousses are offered during summer only. One way of reading he Bible "for all it's worth" is to read it in the original. Besidgs
students will be shown how to recover important points that have been
bst in the English translation. This study will also provide lost in the English translation. This study will also provide an entree miters themselves (the LXX or Septuagint vesion of the Hebrew criptures).
GRK 1101 ELLMENTARY GREEK (3) Emphasizes the essentials Kew Testament with aegind syntax, enabling the student to read the Study other kinds of biblical and nonbibiblical Koine Greek literature
GRK 1102 ELLEMENTARY GREEK (3) Prerequisite: GRK 1101 or yntax, enabling the student to read the New Testament with a and eginner's facility and with the potential to study other kinds of blical and non-biblical Koine Greek Literature
and 1102 or equivalent. Emphasizes the essentials of Kisest GRK 110 ammar and syntax enabling the student to read the New Testa with a beginner's facility and with the potential to study other kinds of Hical and non-biblical Koine Greek Literature.
ngs in Classical
ek is (1-3) Registrabiation Approval: Independent Study Agreemen. Greek is availabie to qualified students th
May be repeated for credit up to 9 credits.

EDUCATIONAL MINISTRY/CHRISTIAN

## DUCATION

Bi 2560 FOUNDATIONS FOR EDUCATIONAL MINISTRY (5) Introduces students to the definition, scope and nature of the tsigning teaching/learning experiences and environments which cidititate Christian formation. Sturendents will examine the scocial foundations for educational ministry.

REL 2563 CURRICULUM AND INSTRUCTION (5) Provides a systematic approach to curriculum development and instructional psychological concerns at each age-level. Emphasisis is on effective Bible teaching.
(5) Studies human development and christian faith (5) Studies the integration of theology and life span psychologys in an tage theories of developmenent, human neligiouss experiencce and REL 4571 CURRENT ISSUES IN EDUCATIONAL MINISTR (3) Current topics of interest that relate directly todicational ninistry within and beyond the local church. Each year the topics change, but will be relevanat to current educational ministry issues and Religious Studies majors. REL 4581 LEADERSHIP IN EDUCATIONAL MINISTRIES (5) rerequisiste: KEL 2560 . A study of feadership from four perspectives: theological issues in eadership; understanding oneself as a leader;
eedership beharior and skills; and leadership in a team context The course focuses on preparation for a leadership position in educational ministryy A Atribute: Writing Course.
REL 4584 Child Development and educational MhNITRY (3) Prerequisites: ReL 2560, 3501 . Studies age-group
characteristics, needs, and interests of shildren with special emphasis n program development and teaching techniques related to program deas. Educational Ministry majors may register for a one credit EL 4585 ADOLESCENT DEVELOPMENT AND EDUCA ONAL MINISTRY (3) Addresses the issues of adolescent developpment including personal identity, peers, culture and family. inimptst to translatate theory of developmentit into the practice of yout racticum (REL 4930) to accompany this course REL 4556 ADULT DEVELOPMENT AND EDUCATIONAL MINISTRY (3) Prerequisite: REL 2560,3501 . Studies the various periods of adulthhood from the estandpoint of characteristics, needs,
aims, material and methods of teaching. Enphasizes the teaching process for adults in terms of andragogy (a shared approach to learning) as opposed to pedagogy. Educational Ministryy majors may
register for a one credit practicum (REL 4930) to accompany this course. REL 4330 PRACTICUM (1-3) Provides an opportunity for practical experience related to coursework taken concurrently. Specific
arrangements should be made with the instructor. May be repeated for arrangements should be made with the instructor. May be repeated
credit up to 3 credits. REL 4940 4 INTENSSHPP (1-15) Prerequisites: 25 credits in religion or biblical literature at SPU; current enrollment as a major
the Department of Religion. May be repeated for credit up to 15 credits.

## FOUNDATIONS

The foundational requirement in Christian Perspectives may be satistied by REL 1501, 1610, 1620, 3610 or 3620
REL 1501 DYNAMICS OF CHRISTIAN FORMATION (5) Th course addresses issues involved in the growth and development of a person's Christian faith. It does so by considering how Scripture, in our Christian fath. The primary intent of the course is to assist the student in inding ways by which to develop his or her Christians faith Significant classical
REL 1610 CHRISTIAN BIOGRAPHY (5) An introduction to the history of Christianity through study of the lives of remarkable women
and men from across the Christian era representing Roman Catholic and men from across the Christian era, representing Roman Catholic and Protestant traditions, and living in diverse cultures.
REL 1620 CHRISTIANTTY IN AMERICA (5) This to put the different faith traditions of American Cbristimus cours see historical, social and theological perspective. Issues such as the fundamentalisis/modernism debate, revivalism and social reform,
faith and politicics in the 190 and faitu and politics in the 1960 and 1980 , and the charismatic
movement
will be examined. The distinctive emphasis of the Catholic, Episcopalian, Lutheran, Reformed, Anphasastists, Wesleyan
and Pentecostal traditions will be considerd,

REL 3610 CHRISTIAN BIOGRAPHY (5) An introduction to the history of Chrisisianity hhrough study or the lives of remarikabie women and Protestant traditions, and living in diverse cultures. Class not
open to Fireshmen.
REL 3620 CHRISTIANTY IN ARERICA (5) This course seeks
to put the diverse character of American Christianity in historical. oput the diverse character of American Christianity in historical,
social and theological perspective. Issues such as the fundamental. social and theological perspective. Issues such as the fundamental politics in the 1960 sand 1980 s, and the charismatic, movement will be
examined. The distinctive emphasis of the Roman Catholic, piscopalian, Lutheran, Reformed, Anabaptist Wesleyan and Episcopalian, LLutheran, Reformed, Anabaptist, Westeyan and
Pentecossal traditions will be considered. Class not open to: Freshmen.

## IISTORY OF CHRISTIANITY

REL 3601 EARLY AND MEDIEVAL CHRISTIANITY (5) A survey of Christianity from its post-Apostolic origins to the end of the hallenge of Heterododox, early monasticism, missions to Westem Europe; then explorest the achievement of the Medieval Church qrough a sudy of the Papacy, Scholasticism, the Crusades. Cours REL 3602 REFORMATION AND MODERN CHRISTIANITY 5) A survey of Christianity from the reformations of the 16th century recent times. Focuses on Luther, Calvin, and the Anabappistst, giticans and Puritans, the Counci, of Trent; 17 th century orthodo he Great Awakening and Wesleyan revival of the 18th century. Course quivalent: HIS 3402 . Class not open to: Freshmen. ) Specific fors hystics and Monks" (3). Explores various spiritual movements from he Early church to the 16 th century, with special attention to their contributions to mainstream Catholic and Protestannt tradititons. M lass not open to: Preshmen. REL 3631 WOMEN IN CHRISTIANITY (3) A survey of women the Christian tradition including women of faith in the Bible and Church history. The class will examine the cultural contexts of contributions selected women have made to the Church and the world. Theology, theological education, ministry style, service pportunities, and challenges faced by women today will be discussed tudies the life and thought of the leaders of the Wesleyan-ALminian radition in the context of the 16 th, 17 th, and 18 th centuries. The Dutch Reformation and the Wesleyan Revival in England provide ature, predestination, assurance, witness of the Spirit, sin, aature, predestination, assurance, withess of the Spirit, sin, interpretation, Jesus Christ and redemption. Class not open to: REL 4625
CL 4625 THEOLOCICAL CLASSICS (5) Prerequisite: REL radition or of the works of an important theological writer. Current topic: English mysticism. May be repeated for credit 2 times. Class not

CHRISTIAN THEOLOGY
REL 2720 INTRODUCTION TO THEOLOGY (5) Surveys the tasict hemes of Christian theology: the one God, creator of all things, y grace through faith that works in love; the church; the Christian in society; human destiny. Readings from classical and contemporary
sed.
REL 3701 EXPLORING CHRISTIAN THEOLOGY (5) Prerequisite: REL 2720. In-depth study of essential affirmations of
Christian faith from historical and theological perspective. Topics wil ary on a three-year cycle. May be repeated for credit 3 times. Class not open to: Freshmen.

REL 4725 ISSUES IN THEOLOGY (5) Prerequisite: REL 2720, urrent topics: 1) the journey, the meal and the song as images of Cristian faith in literature and film; and 2) the writings of Soren Kerkegaard. Courrse may be repeated for credit when topic varies. May. be repeated for credit 2 times. Class not open to: Freshmen.
REL 4900 INDEPENDENT STUDY ( $1-5$ ) Regismation ndependent Study Agreement. May be repeated for credit up to 15 . credits.

## RROSS CULTURAL MINISTRIES

ELL 3383 FOUNDATIONS FOR WITNESS AND SERVICE (3) ha a pluralistic world, why emphasizz Jesus Christs What is God's adion to other cultures? Through Bible study, students glimpse Goess global involvem
cultural analysis and adtrener CULTURE (3) Develops skills fecttyle, fanily and team relatitions in an alien millieu. Provides an introduction to religions, to the indigenous Christian community, and economic development. Special applications for teachers, nurses, musicians, mothers and evangelists who work in another culture
Required for many summer interns.
RLL 3487 PILD SERVICE METHODS (3) Falf of this course is direction of the office of Campus Ministries. The other half of the course is theoretical classioom analysis, research, and critique, applying missiological knowledge to personal mission experience. ELL 3488 cigns-cung in COMMUICATION (3) Teaches skills in systematic analysis of cultures and empathetic encounter epeated for crediit 2 times.
RLL 3499 COMMUNITY DEVELOPMENT (3) Course addresses rrent knowledge and strategies in community health, agricullture nall business devel.opment, community organization, and refuge sesources and agencies.
EL 4401 WORLD CHRISTIAN CLASSICS (3) Readings in primary source material on pivotal issues in Christian mission, EL 4419 CULTITRE AREA STUDY (3) Course will focus on liture area such as Latin American Mission, Asian Mission, Muslio or Easten European Misis historic and contemporary concerns of Christians in the region. May include fiedd
rips to Seattle ministries focusing on this culture. May be repeated for redit 3 times.
RL 4498 worLd religions (3) Recommeaded Prerequisite L3401. Animism, Islam, Buddhism, Hinduism, Chinese, Japane Latin American religions are explored. Each fatith is set in hilosophical context. Applications for effective Christian withess are eveloped. Common elements which Christianity shares with each aith are suggested. Apolog
REL 4910 WORLD CHRISTIANITY: SENIOR TUTORIAL ( 1 ) Prerequisites: REL 3401, 3487, 4401, 4940, and 4498. Integrates senion tadanning theor furticher scareer progress.

## PAUL T. WALLS CHAIR IN WESLEYAN AND

BIBLICAL STUDIES
he Paul T. Walls Chair in Wesleyan and Biblical Studies has been established at Seattle Pacific University with a bequest fom the family of Paul T. Walls. Paul T. Walls served the University as amember of its Board of Trustees for 31 years, and romotes scholarship in Wesleyan and biblical studies, provides in-service education for Free Methodist and Wesleyan pastors, and serves the University and the Free Methodist church as a Wesleyan-Arminian spokesperson in regional, national, and ternational forums. The current holder of the Chair is Dr. William Lane

## ROTC PROGRAMS

ROT'C programs are offered to SPU students via cross-tow agreements with Seattle University and the University of Washington. SPU accepts $20-24$ quarter credits from an up to 3 creditis each from the freshmen and sophomore sequences, and up to 9 credits each from the junior and sequences. If a student drops out of the program the ROTC redits do not apply toward graduation. Upon completion of a TCprogian,, the student is responsible for requesting official -
roTC Academic Achievement Award Students who are awarded ROTC scholarships by the program ditc Academic Achievement Award at Seattle Pacific. Th ward, 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 Core wich meets University guidelines for this award and who cific including involvement in local cheals Theatle newable for a total of four consecutive years.

## IR FORC

rerospace Studies
ir Force Reserve Officer Training Corps (AFROTC) is offered to SPU students through an agreement with the University of Air Force ROTC program is designed to motiank Hall \#220. Th commission highly qualified students for active duty as offices in the U.S. Air Force. The curriculum develops the professiona mowledge, in both theory and application, that an Air Force officer needs to be an effective manager and leader in the aerospace environment
General Program Requirements
courses) are open to all students attendisgs (general military college full time. Any male or female student may enroull in these classes. The junior- and senior-level classes (professiona officer course) are open to qualified students who have been conpelively selected for entry. For further information contact the Recruiting Officer at (206) 543-2360 or write Du-30, Sentile WJing 28195 Det 910 , University of Washington Commissioning Requireme
Students who successuully complete the AFROTC program and recive an academic degree from the University are offered commissions as second lieutenants in the U.S. Air Force. They General Military Course The basic courses conis of
leadership courses consist of one classroom hour and one sophomore years. Uniforms and textbooks are provided and Students may enter the freshman class at the start of Autum Minter, or Spring quarter. Sophomore students may enter at he start of Autumn or winter quarter. A four- or six-week field raining course, taken during the summer between the sophomore and junior years, is required for entry into the or fied training. Except for sophomore cadets on AFROTC cholarship, students incur no active duty service commitment rom enrol ment in the GMC, and students may drop the courses at any time.

Professional Officer Course (POC Cadets selected for enrollment in POC are enlisted in the Air orce Reserve and recelve tax-free monthly subsistence pay of 150. They are furrished texts and uniforms. Junior- and enior-level classes consist of three hours of academic classe and one hour of leadership laboratory per week
he Air Force offers two
ith a GPA over 2.6. Full tuition scholarships are available in he areas of engineering, science and technology, and nursing ursing students are given special consideration in fulfililing heir AFROTC courses to allow time to meet their clinical and ore course requirements. Students awarded scholarships from supplemental room grant: To take advantage of these cholarships, students should apply directly to AFROTC UW (address noted above).
wo-Year Program
Two-year $\$ 3,000$ scholarships are available to students of any major who have a good GPA. The two-year program is open to
graduate students and other sudents remaining until graduation. Students in this two years 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 six-week period. Upon return to the campus, students pursue the professional officer course. Uniform, texts, and $\$ 150$ monthly subsistence are provided Swo-year scholarships are available for qualified students. department during the January-March prior to the autumn quarter they desire to enter.

## Course Descriptions

AS 101, 102, 103 aEROSPACE STUDIES $100(1,1,1)$ Surve of fir Force Life and ROTC oppportunities, U.S. Air Force mission and organaization: functions of U.S. aerospace support forces; officership/
professional ism and an intern professionalism, and an introduction to communicative skills. AS 211, 212, 213 AEROSPACE STUDIES 200 (1,1,1) Examines factors contributing to the development of air power from its begininings to the present and the evolution of air power concepts and doctrine; history of air power employment in militiary and
nonmilitary operations in sumport of national obibectives of communicative skills. Additional one-hour leadership laboratiory mandatory.
AS 331, 332, 333 AEROSPACE STUDIES $300(3,3,3)$ Emphasis on leadership and management fundamentals, professional Air Force junior officer. Case studies are used to examine leadership and management situations. Mandatory leadership laboratory giving students the opportunity to apdly tearned prince activities, AS $\mathbf{4 3 1 , 4 3 2 , ~ 4 3 3}$ AEROSPACIS STUDIES $400(3,3,3)$ Examines need for national security, evolution of American defens strategy and policy, methods sor managing conflict, alliances, and errorism. Looks at the militiary as a profession officershin the military iustice system, current military issues, refinement of communication skills. The leadership laboratory is mandatory

## MILITARY SCIENCE

## The Program

rmy ROTC is offered to SPU students through agreements with program program offers the student several elective options for the thainment while pursuing the academic degsion in reserve or active Normally all pursuing the academic degree of his or her choice. Normally, all students participate in one to two classes per week (2-3 hours), physical training one time per week, three exercise per quarter. The program allows for scholn
assistance or selected students, a monthly stipend for all optional summer and 4th year students, and attendance program at Seattle University call 296 -6430 or write: Military Science Department, Seattle University, Seattle, WA 98122. For
further information on the University of Washington program further information on the University of Washington program
call 543 -9010 or write: Professor of Military Science, University of Washington DU-20, Seattle, WA 98195, email: ROTC@u.washington.edu.
Financial Aid
Cadets receive financial aid in two forms: 2,3 , and 4 year scholarships are awarded annually to cover school expenses. The scholarships pay up to $\$ 12,000$ per year toward tuition and
fees, and provide a book allowance as well as a monthly allowance of $\$ 150$. The second type of assistance provides a $\$ 150$ per month allowance to all non-scholarship cadets in the advanced course. In addition to this aid, students may apply fo an SPU ROTC Academic Achievement Award through the Office of Financial Aid.
Commissioning Requirement
To be commissioned in the U.S. Army a student must graduate with a minin of a bachelor's degree and complete the the six-week advanced camp the summer prior to the senior year.
Courses
Check at the Office of Registration and Records or the Office of Acadered at Seatlle Univerity and the Uiversity of Washington

## RUSSIAN

(See Languages section.)

## STUDENT-DESIGNED MAJOR

Students with a particular interest crossing the boundaries of disciplinary majors may design an individualized major of courses selected from the various disciplines which apply to their special interest.
Once a student has discussed a possible special major with a faculty advisor, he/she should submit the proposed program, statement of purpose and rationale, and evidence of an advisor's and school's approval to the Undergraauate Policy
and Evaluation Committee. The proposal should provide evidence that the student has considered courses or learnin experiences, such as independent study or internship, which will provide an opportunity to integrate content and skills from the various disciplines in his/her program. The committee ma suggest changes, but once the proposal has been approved a the Office of Registration and Records
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 the Office of Registration and Records. All standards governing a major as
decsribed elsewhere in the Catalog will apply to studentdescribed elsewhere in the Catalog will apply to student designed programs.

## SOCIAL AND BEHAVIORAL SCIENCES

(Interdisciplinary Courses)
SBS 1110 SELF AND SOCIETY: IDENTITY, INTERACTION NDIVIDUALITY (5) This is an introductory, interdisciplinary social science course designed primarily for the first and second year student. Students are introduced to central concepts in anthropology,
history, psychology, political science and sociology with an emphasi, histry, psychology, poinitcal science and sociology win an emphasis contemporary social, economic, political and international problems. SBS 1677 THE NATURE OF CITIES (5) Explores generally from multi-disciplinary perspectives the character and content of cities 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.
SBS 1710 CONFLICT AND CHANGE IN THE THIRD WORLD 5) A multi-disciplinary introduction to the Third World (or "TwoThirds World"). Balances broad issues of global change with case studies from selected world regions in order to understand dilemmas and challenges facing Third World peoples. major social science disciplines and concepts especially relating to values of Christian faith. Designed primarily for students preparing to each social studies at the
Atribute: Writing Course
SBS 4911 INTERNATIONAL BUSINESS: MANAGEMENT AND MARKETING (9) Registration Approval: Instructor. Students investigate management and marketing in Latin America. Businesses
explored include export commodities and multinationals marketing in Latin America. Special emphasis given to sources of information for planning. Class not open to: Freshmen and Sophomores.
SBS 4915 PUBLIC POLICY SEMINAR (12) Registration SBS 4915 PUBLLC POLICY SEMINAR (12) Registration pproval: Travel Studies Form. By arrangement win the coordinator.
Washington, D.C. term. An inter-disciplinary examination of selected lopics in the American political, historical and cultural context. Reviews both domestic and international issues. Class not open to Freshmen and Non-Matriculated Students.
SBS 4917 SEMINAR IN LATIN AMERICA CULTURE (9) Registration Approval: Travel Studies Form. By arrangement with the coordinator. Costa Rica term. Two seminar-Level courses will be devoted to Latin American politics and socio-conomic issues. Class not open to: Freshmen and Non-Matriculated Students.
Approval: Travel Studies Form. By arrangement with the coordinator Costa Rica term. Opportunity to participate in a two week, hands-on service project will be offered mid-way through the semester. Class $n$ open to: Freshmen and Non-Matriculated Students.
Studies Form term. Students mary select patt with the coordinator. Washington, D.C lerm. Students may select part--ime placements in Washington, D.C.
in agencies or programs associated with communication arts, urban in agencies or programs associated with communication arts, , urban
ministries, marketing and corporate enterrise, legal matters, trade associations or federal policy-formation. Class not open to: Freshmen and Non-Matriculated Students.
SBS 4979 INDEPENDENT RESEARCH (2-12) Registration Approval: Instructor. By arrangement with the coordinator in
coniunction with of campus study. May be repeated for credit up to credits. Class not open to: Freshmen.

## SOCIAL SERVICE

## oEllen Watson, Advisor

The social service track, an emphasis within sociology, offers stadents an overview of theory and skills necessary to enter elping professions which provide direct services to people in need. Many graduates take entry level positions in the areas of child welfare, mental health, gerontology, delinquency, and programs which alleviate poverty. The social service track specially in the areas of social work, counseling, teaching or health care professions.

Requirements for the Social Service Track major in the social service track within sociology requires a minimum of 52 credit hours with at least 32 in upper-divisio curres. A minses required
-
OS 4308 The Helping Process
OS 4380 Social Service Systems
OS 4940 Internship in Social Ser
SOC 4941 Internship Seminar..
SOC 3367 Urban Society
SOC 3751 Research Methods
SOC 4440 Social Psychology
NT 2250 Cultural Anthropolog
SOC 2360 Introduction to Statistics in Social and
chavioral Science (5) or
Total ................................................................ 5
elated courses that are valuable for social service student include:
PSY 2470 Life Span Developmental Psychology (5)
3442 Psychology of Personality (5)
ANT 4855 Solving Human Problems: Applied Anthropology (3)

## SOCIAL SERVICE Courses

sos 2310 FOUNDATIONS OF SOCIAL SERVICE (5) Provides sevices and social welfare including the sociological, historical, professional, educational, economic, political, psychological and digious/philosophical foundations
SO 4308 THE HELPING PROCESS (5) Examines the Sowledge base and practice for the helping process as found in social dividuals, families, groups and communities. Introduces the roles and tasks of the social service practitioner. Various theories and Irming helping relationships, assessment intervention, terminatio and evaluation are developed.
SS 4310 FOUNDATIONS OF SOCIAL STRUICS Comprehensive examination of the various foundations of social ervices and social welfare including the sociological, historical, professional, educational, economic, political, psychological an Sif 4380 SOCIAL SERVICES SYS
ignifant nocial services sYsTEMS (5) Explores the leveloped in response to the full range of human problems. Focuses Pon specific problem areas; examines the related service system. ives particular attention to the effective utilization of the available esources for the various problem areas.

SOS 4910 INTERNSHIP SEMINAR (1) Registration Approval: instructor: Must be taken concurrently with SOS 4940. (One credit per quarter.) May be repeated for credit 4 times. Corequisite: SOS 4940.
SOS 4920 READINGS IN SELECTED FIELDS (2) Registration pproval: Independent Study Agreement. Prerequisites: 15 upperdivision credits of "B" grade work in the discipline. SOS 4940 INTERRSHIP IN SOCIAL SERVICE (3-15) Registration Approval: Instructor. Requires direct participation in
selected human service programs. A three-quarter sequence is recommended with a 3 -credit load each quarter as a minimum. Ma be repeated for credit up to 15 credits. Class open to: Sociology- Social Service majors.

## SOCIOLOGY

## Cynthia Price, Chair; David Diekema

 Kenneth Tollefson, JoEllen WatsonThe Department of Sociology offers five formally developed areas of academic instruction in sociology and anthropology (1) Sociology major; (2) sociology major-anthropology track (3) sociology major-social service track; (4) sociology minor; (5) anthropology minor. Please refer to sections on anthropol.
ogy and social service for specific information on minor requirements in those areas.

## SOCIOLOGY

Sociology is the systematic study of groups, how they influence individuals and the effects of their collective interaction. Sociology courses focus on characteristics of these groups and examine the society which they form.
The central premise of sociology is that the individual
cannot be understood apart from societal and interperson 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
Students majoring in sociology have secured positions in government, business, industry and private research agencies Others hold jobs in planning agencies and research depart
ments of city, county, state and federal government and religious organizations, law enforcement agencies, and many 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. In addition, the student who is interested in urban life and Social Issues which can be found at the end of this section.

## Requirements for the Sociology Major

 (minimum of 50 credits)
## Required core courses.

SOC 1110 Introduction to Sociology ............................... SOC 2360 Introduction to Statistics in Social and Behavioral Science (5)

MAT 1360 Introduction to Statistics (5)
SOC 3751 Introduction to Research Methods..................... 5

Select 5 credits from each of the following four areas:
Social Institutions Social Institutions

SOC 3252 Marriage and the Family (5)

SOC 4820 Sociology of Religion (5)

"One value of sociology for the individual is the ability to understand the ilters through which we view ourselves and others, and assess social constructions. This understanding is, at the same time a considerable intellectual challenge and a profound siritual act."

Martin Abbott Dean of Arts and Sciences

SOC 2440 Small Group Dynamics (5)
SOC 3270 Socialization (5)
SOC 4250 Gondiol and Social Interaction (3)
SOC 4440 Sociolol Py, Policy and Law (5) Social Stratification

ANT 2250 Cultural Anthropology (5)
ANT 4855 Solving Human Problems:
ANT 4855 Solving Human
Applied Anthropology (3)
Applied Anthropology (3) and
ANT 4877 Urban Anthropology Cultural Pluralism (3) SOC 3215 Social Inequality: Power and Privilege (5) SOC 3367 Urban Society (5)
 Total
25 credits must be taken in upper-division courses. Elective courses may be selected from each of several substantive areas. requirements.
Requirements for the Sociology Minor (minimum of 30 credits)
Required core courses:
SOC 1110 Introduction to Sociology..................... 5 Select 5 credits from each of the following three areas: Social Institutions

SOC 3252 Marriage and Family (5)
SOC 4820 Sociology of Religio (5)
Social Problems
SOC 2870 Social Problems (5)
$\qquad$ ......

Individual in Society
SOC 2440 Small Group Dynamics (5)
SOC 4240 Social Movements and Collective Behavior (5) SOC 4440 Social Psychology (5) Total.
sult a sociology advisor to create....................... 30 accommodates your educational program.

## URBAN SOCIAL ISSUES

An awareness of urban life and culture is increasingly important to contemporary social life. Not only are cities the site of many difficult social problems, but much of the world' create meaningful policies for managing these dynamics, the Christian social scientist must have coursework specific to urban issues. Those students interested in focusing upon urban social issues, might consider the following courses in conjunction with a major in sociology or sociology tracks of anthropology and social service.
GEO 3305 Urban and Regional Planning (5)
GEO 3707 Urban Geography (5)
GEO 4910 Seminar in Urban Issues
HIS 3650 American Urban History (5) or
POL 2464 State and Local Politics (5)
SOC 3370 Sociology of Deviance (5)
SOC 3371 Crime and Delinquency (5)
SOC 3862 Racial and Ethnic Minorities (5) ANT 4877 Urban Anthropology: Cultural Pluralism (3) GEO 4910 Seminar in Urban Issues (5)

## SOCIOLOGY Courses

soc 1110 Introduction to sociology (5) Basic principles for understanding social relationships. This course is,
comprehensive introduction to the field of sociology, including analyses of: the mutual interaction of society and the individual; majior theoretical perspectives; methods for obtaining sociological knowledge; major problems and issues which confront societies.
SOC 2350 INTRODUCTION TO WOMEN'S STUDIES (5) course will focus on the relationship between culture and gender. We will examine a variety of topics which will include theoretical approaches to gender, the relationship between gender and the manner in which gender is constructed within society. Course Equivalent: ENG 2350
Equivalent: 230 INTRODUCTION TO STATISTICS IN SOCIAL AND BEHAVIORAL SCIENCES (5) Prerequisites: High school algebra o
equivalent: SOC 1110 or PSY 1180 (if the student registers for $S$. 2360 , SOC 1110 is prerequisite; PSY 1180 is prerequisite for PSY 2360 . Presents the conceptual basis and application of statistical analysis in social and behavioroal research. Includeses descriptive stataisicis, correlation and regression, hypothesis testing and inferential statistic,
An introduction to Analysis of Variance and non-parametric statistics will also be provided. Course Equivalent: PSY 2360.
SOC 2440 SMALL GROUP DYNAMICS (5) Examines the small
group as the primary source of social order. This couse explorest group as the primary source of social order. This course explores the
internal processes of small grouss, the impact of small groups on interir individual members, and the relationship of small groups to larger social structures. Offered alternate years.
SOC 2870 SOCIAL PROBLEMS (5) Surv
SOC 2870 SOCIAL PROBLEMS (5) Surveys social change through public action in reation to problems such as hunger,
environment, health, employment, poverty, child abuse, crime and menta illness.
SOC 3215 SOCIAL INEQUALITY: POWER AND PRIVILEGE (5) Analyzes societal organization based on residence, occupation, mobility patterns. Offered alternate years. Attribute: Writing Course. SOC 3252 MARRIAGE AND THE FAMILY (5) Surveys the family a an institution and a mode for personal living: marital family disorganization and reorganization. Course Equivalent: HES
3252.
SOC 3270 SOCIALIZATION (5) Prerequisite: SOC 1110. Socialization is the process by which individuals develop into social 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 sociaiization, the role of the stages of development and the role of history in socializing cohorts of people. 3367 URBAN SOCIETY (5) Surveys the structures of contemporary urban communities emphasizing the social SOC 3370 SOCIOLOGY OF DEVIANCE (5) Examines a variety of nonconforming behavior such as alcoholism, drug use, mental iliness, religious deviance, corporate crime, violent crime, homosex
ality suicide and domestic violence, with attention paid to issues of aily, suiccie and domestic violence, winn atention paid to issues of
social definition and causal explanation. SOC 3371 CRIME AND DELIQUENCY (5) Studies crime and delinquency in modera society, including both individual and socia factors; explores juvenile and criminal justice.
SOC 3410 MEDICAL SOCIOLOGY (5) Prerequisite: SOC 1110 o permission of instructor. The study of the relationships between social institutions and medicine, as well as the social demography of health
doctor-patient interacions, any ethical dilimmas derelopg from doctor-patient interactions, any ethical dilemmas developing from rapid technological advances.
sOC 3751 INTR
Prerequisite: SOC 2360 or MAT 1360. Explores the development of social research; nature of scientifici inquiry, basic methods and techniques; examination of representative sociological and plitical studies from the standpoint of methodology; the formulation and Completion of an empirical study. Note: PSY 3588 may be substituted
for SOC 3751 in Sociolocy and related for SOC 3751 in Sociology and related majors, although SOC 3571 is the preferred course.
3751 and PSY 3588 .

SOC 3862 RACIAL AND ETHNIC MINORITIES (5) Studies nature of minority relations, methods and problems of group adjustment, and positions of various minority groups in American SOC 4205 GENDER AND SOCIAL INTERACTIONS (3) Focuses on socialization processes leading to gender roles. Concentra-
tion on the effect of sex roles on family life and the work setting. Also fittention is given to the soci-politicial issues surrounding and soc 4250 SOCIOLOGY, POLICY AND LAW (5) The leg process and the creation of public policy are both influenced by the paturural context of the time. This coulse discusses the influence law and public policy have on individual groups of people and docicity at
large. While legal issues will be discussed, this course will focis on acriological perspective of law. offered alternate vears. Attribute:
Writing Course.
SOC 25252 Sociology of FAMILY (5) Prerequisite: SOC 1110 .
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 additition, we will examine pal of this course is to provide the student an understanding of the family as a social institution in American life. offered alternate years. SOC 4444 SOCIAL PSYCHOLOGY (5) Studies the individual within the context of larger social patterns and forces. Includes the major theories, methodological approaches and substantive areas
investigation which figure prominently in sociological social investigation which ifigure prominenty in sociological social
psychology (e.g, social interaction, gender, deviance, aggression,
conformity, etc.). Note: students may not receive credit for both SOC
SOC 4702 CLIASSICAL SOCIOLOGICAL THEORY (5) Explores the major theoretical issues raised by classical theorists such as Weber Simmel, Marx, Durkheim, and Mead and their influence on contemporary social theory. Attribute: Writing Course.
SOC 4703 CONTEMPORARY SOCIOLOGICAL THEORY (5) Prerequisite: $\operatorname{SOC} 11110$. This is an introduction to the major contemporary theoretical programs in sociology, e.g., exchange
approaches, symbolic interactionsim, structural theories, feminist theories. Emphasis will be placed on the basic assumptions and lemental ideas of the various theories and the relevance of these ideas valunate the extent to which the various theories provide plausible and verifiable ideas about society and its workings.
eligion as a social form including: religious social analysis conversion and commitment processess, sect and cult, charisma and its routinization, religion and inequality, secularization, and social
change. Attribute: Writing Course hange. Attribute: Writing Course.
rovides a seminar experience in emerging and in specialized vithin sociology such as family violence, sociology of family, death and dying, etc. Offered alternate years. May be repeated for credit up to
SOC 4920 Readings in SElected Fields (1-5) Registration Approval: Independent Study Agreement. Prerequisites: 15 pper-division credits of " " B " grade work in the discipline. May be SOC 4940 INTERNSHIP IN SOCIOLOGY (3-15) Registratio tpproval: Faculty Sponsor. Provides field experience opportunities for students to relate sociological methods and the sociological amework to an applied setting and to expand their learning through an experiential approach. Alearning contract describing learning
objectives must be developed by the student and approved by the faculty sponsor. Additional information may be obtained from the department. May be repeated for cor credit up to to 30 credits. tepartment. May be repeated for credit up to 30 credik
SOC 4970 INDEEENDENT RESEARCH (2-5) Re Mpproval: Instructor. Prerequisite" " B " grade work in the discipline. tay be repeated for credit up to 30 credits. Sudironment.
Students in theatre are exposed to a large body of dramatic evelope leading to an understanding of the historical ramatic theory and practice are also appliced to production. By definition, production is inherent to theatre study. In addition to classroom experience, an extensive production program is maintained. The performance schedule is divided thes are selected to stacio, laboratory and scongic forms and styles. Special emphasis is given to plays that deal with positive values and the relationship between drama and the Christian church.

## Career Opportunities

Career opportunities for theatre majors extend beyond the performance spectrum into other specialities such as setting, and publicity, playwriting, directing, and business management.
Additionally, the skills acquired as a major - self-
knowledge con knowledge, communicative social interaction, presentation of self, discipline, performance, sensitivity - are important to theatrical production.

## Requirements for the Majo

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 credits of work with a 2.5 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.

## TEXTILES, CLOTHING AND

 INTERIORS(See Family and Consumer Sciences section.)

## THEATRE

## James Chapman, Chair; Barbara Korner

 George Scranton, Donald YanilkThe study of theatre provides students with opportunities to xplore personal values, develop personal skills and gain insightful techniques of criticism - all within a distinctive
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$\qquad$ TRE 1931/3931 Production Practicum

A maximum of 15 creaits of practica may be applied toward the major; any number toward the B.A. degree.

TRE 1720 Stagecraft $\qquad$
TRE 2320 Stage Movement
TRE 2340 Acting II: Characte
TRE 2420 Theaire and Drama: Tragedy
TRE 2421 Thearte and Drama: Comedy
TRE 2730 Scene Design.
TRE 2740 Introduction to Lighti....................
TRE 3340 Acting III: Style
(ENG 4445 and FCS 3870 may be applied to but are not requirements of the major)
2. Demonstrate a growing ability in theatrical criticism, artistic awareness, and personal theatrical skills.
3. Successfully complete a senior project in acting, directing, design or playwriting. The project must include both an tion 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 training and must be of substantial merit, reflecting an informed artistic sensitivity Projects may be accumulated in the completion of this requirement.)
Successfully complete FPA 4100 (5) (recommended as general education core requirement)

## Requirements for the Minor

Formal admission to a minor in theatre is accomplished by the Formal admission to a minor in theatre is accomplished by the tudents 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 appication for minor tatus. Application should be made through the office of the epartment of Fine Arts. Students minoring in the study of eatre must fulfill the following requirements
Earn a minimum of 45 credits in theatre studies and
applications, with a minimum of 15 credits in upperdivision courses. Courses specifically required are as
Tollows:
TRE 1930/3930 Performance Practicum (2 credits) RE 1931/3931 Production Practicum (total of 4 credits) me minor, any number toward the B.A. degree. TRE1720 Stagecraft.
RE 1810 Playscript Analysis
RE 2320 Stage Movement.
RE 2340 Acting II: Character
elect one of the following two
2 201 The Dra: Tragedy (5) or
TRE 2730 Scene Design...
RE 3710 Play Directing .............................................
ENG 4445 and FCS 3870 may be applied to but are not
equirements of the major)
2. Demonstrate a growing ability in theatrical criticism an 3. FPA 4100 highly recommended. (May be used as general: education core requirement.)

## 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 spectato an.
the critic. Includes attendance at theatrical performances. Class pot open to: Theatre majors. TRE 1310 ACTING I: FUNDAMENTALS (5) An introduction to the actor's task in preparation for the dramatic performance: fo
on developing sensory awareness, observation skills, selective on developing sensory awareness, observation skills, selective
imagination and ensemble relationships through improvisations and
Scene-work. 1320 MOVEMENT FOR PERFORMING ARTIST (2) Integration of the performer's body and spatial awareness through applaed study in ine to the performance setting. Emphasis on developing appropriate self-awareness and confidence.
TRE 1720 STAGECRAFT ( $\mathbf{3}$ )
TRE 1720 STAGECRAFT (3) An introduction to the backstage
craftis of theatrical production intended crattit of theatrical production, intended to give the student a broo
understanding of the basic principles and technical procedures understanding of the basic princippes and technical procedures used
in the design of scenery, costumes, TRE 1931 .
TRE 1721 DRAFTING/TECHNICAL DRAWING (3) Prerequisite: TRE 1720 . Introduction to the standard practices of d dafting used in the exccution of designs for the stage. Offered alternate yea
TRE 1810 PLAYSCRIPT ANALYSIS (3) Foundational approaches to problems of script analysis and form/style/mood
distinctions. Reading and analysis of representative plays from the

activity. 1930 PERFORMANCE PRACTICUM (2) Registration Approval: Instructor and audition. Offered for performance or Approval: Instructor and audititon. Offered for performance or
directing -related activity associated with approved theatrical productions. May be repeated an unlimited number of times.
TRE 1931 PRODUCTION PRACTICUM (2) Offered for TRE 1931 PRODUCTION PRACTICUM (2) Offered for design, technical thearre or management activity associated with approve times. 2304 UNIVERSITY PLAYERS (1) Registration Approv times. Class open to: Freshmen and Sophomores. times. Class open to: Freshmen and Sophomores. the actor including problems of stylization, circus technique, stage fights, and the use of theatrical masks. scene-work exploring the problems of characterization as developed through both internal and external performance techniques.
TRE 2420 THEATRE AND DRAMA: TRAGEDY (5) The TRE 2420 THEATRE AND DRAMA: TRAGEDV (5) The natur of tragedy and tragic expression in the theatre as revealed by
playscripts drawn from the history of Western civilization. TRE 2421 THEATRE AND DRAMA: COMEDY (5) Principle theories of the comic as presented in the theatre and preserved in playscripts drawn flie the history of Western civilization. TRE 2730 SCENE DESIGN (3) Prerequisite: TRE 1720. An introductory course for designers with emphasis on analysis and
interpretation of the script, use of research material, and techniques of
TRE 2731 SCENE PAINTING (3) Instruction in basic scen painting techniques for the stage. Offered alternate years.
TRE 2740 INTRODUCTION TO IIGHTING AND SOUND (3) Prerequisite: TRE 1720. Introduction to stage lighting and sound covering basic electricity, equipment and instruments, and the TRE 2750 INTRODUCTION TO COSTUME DESIGN (3) An introductory course for designers with emphasis on analysis and
interperatition of the scritt, the costume plot, the designer's sketch and
 credits to be announced in class scheduie when offered. Topics offe
nteress. Possible topics include: Great themes of drama; Medieval ama, the fiental theatre, theatre architecture, contemporary
sude 3321 ELEMENTS OF MIME (2) An introduction to to TRE 33 and practice of mime, the language of gesture. offered alternate years. Hernial years. ACTING II: STYLES (5) Explores analysis and pefiomance techniques for plays of specialized bistoric and stylistic zenit, , including scene-work drawn from Classical, Shakespeare altemate years. RE 3450 MODERN AND CONTEMPORARY PLAYS (5) A tudy of playscripts and dramatic movemients of the late 19 th and
centuries, with principle emphasis on material written since 1045 Penturites, andance where appropriate, offerered alternate yeais. Class not pen ti: Freshmen and Sophomores. . $\mathbf{3 7 1 0}$ PLAY DIRECTING (5) Prequisite: TRE 1810 or eermision. Consideration of both aesthetic and technical aspects of directing through basic theory in achieving visual, auditiory and inetic affect. Aso covers play selection, organization, casting and phean to: Freshmen and Sophomores
TRE 3720 STAGE MAKE-UP (3) An introduction to the Ecciniquues and application of stage makeup for straight and ffects and crepe hairt technicues. eficets and $\mathbf{3 7 3 1}$ PERIOD DECOR (3) A survey of period styles of architecture, ornament, and furniture and its application to stage
lesign. Offered alternate years. Class not open to. Freshmen and
leigng. Offered
Sophomores. fthe development, techniques, aesthetics and theory of the motion icture, centering on viewing, discussing and criticizing films. Offered freshmen. 3930 performance Practicum (2) Registration pproval: Instructor and audition. Offered for performance or drectig-related activity associated with approved theatrical rideductions. May be repeated an unlimited number of times. May
repeated for an unlimited number of credits. Class not open to:
Piestmen and Sophomores.
REE 3931 PRODUCTION PRACTICUM (2) Registration
Anoval IIstructor Offered for design technical theatre or Approval: Instructor. Offered for design, technical theatre, or
management activity associated with approved theatrical production management activity associated with approved theatrical productions undimited number of credits. Class. not open to: Freshmen and Sophomores.
RE 4304
RR 4304 UNIVERSITY PLAYERS (1) Registration Approval mstructor and audition. May be repeated an unlimited number of open io: Freshmen and Sophomores.
RRE 4730 ADVANCED SCENE DESIGN (3) Prerequisite heatre 2730. An advanced course for designers, with practical and neeretical projects and with emphasis on special problems related to he design, organization and mechanics of the multiscene show. RE 4760 PLAYWRITING (5) Prerequisite: TRE 1810 or ermission of instructor. Seminar discussion and conferences in the wititing of an actual playscript. Offered alternate years. Class not open TRE 4770 CREATIVE DRAMATICS (3) Presents a worksh xploring 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 dram a offered aletente and product through the use of creative drama. Offered
 egistration Approval: Independent Study Agreement. May be repeated Or credit up to 10 credits. Class not open to: Freshmen and
TRE 4910 HISTORY OF THE THEATRE (5) Seminar in the story of the theatre from pro-classical to modern times tracing development and changes in theatre architecture, social purpose, the offerd at heatre artss clas no
an 4912 religion and the theatre (3) Seminar ploration of the reationship between theatre of moral purpose and the religious impulse, historical relationship of religion and the
theatre exposure to the theories of religious theatre and selected teligious playscripts. Offered alternate years. Class not open to:
Freshmen and Sophomores.
TRE 4943 THEATRE INTERNSHIP (3-5) Registration Appro TRE 4943 THEATRE INTERNSHIP (3-5) Registration Approval
Coordinator. Pretequisites: 15 credits of " B " or beter work in theatre; an intinternstipip plan pan approvered by the theatre faculty. Supervised application of theatreskills in the marketplace. May be repeated for credit up to 10 credits. Class open to: Theatre majors. Class not open
to: Freshmen and Sophomores. to: Frestmen and Sophomores. TRE 4950 SPECAL TOPICS IN THEATRE (2-5) Registration Approval: Instructor. Topic and credits to be announced in class Approval: Instructor. Topic and credirits to be announced in class
schedule when offered. Topics offered usually only once, and only
. upon evidence of significant student interest. Possible topics include: ceat themes of drama; Medieval drama;' The Oriental theatre; the maxe-up; theatre architecture; contemporary playwrights; and the reshmen and Sophomores.
RE 4951 SPECiAL TOPICS IN THEATRE (2-5) Registratio Approval: Travel Studies Form. Registration Approval: Instructor. Individual research and conferences In area of specializzation within the theatre disclipline, culminating in epresenlation of a project. May be repeated for creadit up to 10 on creatis. Class ope

## FILM

James Chapman, Coordinator
The Los Angeles Film Studies Center, a program of the Christian College Coailition, offers a semester-long liberal arts exposure to considerations and culturad influences which arise from the industry's operations and product. Enrollment in the program is competitive, and limited to upper-division undergraduates. or those accepted into the program, a block of twenty-four eattle Pacific credits may be earned Consult the film studies oordinator for details.
The Los Angeles Film Studies Center, located in Burbank, Clifornia, provides students an unique opportunity to study the film industry in an "on location" intensified experience. Participants have opportunity to meet working professional rom all aspects of the film industry, to visit facilities found only Southern California, and to utilize film research librarie nique to the area.
The curriculum
of is in 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 cademic and/or vocational opportunities.

## FILM Courses

FLM 4110 INSIDE HOLLYwOOD (5) Registration Approval: Travel Studies Form. Prerequisitit: Acceptance into Los Angeles Film sudies Center. An examination of the creative and operational aspects filmings, and a variety of guest lecturers firom a crosssection of the
industry, 4120 INTRODUCTION TO FLLM (4) Registration Approval: Travel Suddies Form. Prerequisite: Acceptance into the Los
Angeles Film Studies Center. Guided exjerience in planning, shooting and editing short films. Focuses on the practical application of
filmmaking theories.
FLM 4130 FIIM IN CULTURE (6) Registration Approval: Travel
Studies Form Prerequisite Studies Form. Prerequisite: Acceptance into the Los Angeles Film
Studies Center. A survey of film and the film industry which higlights
film's influence on, and reflection of, American culture during the
late 19th and 20th centuries Particular emphasis will be placed on Christian perspectives of culture and will include a survey of the presentation of religious concerns in film.
FLM 4943 INTERNSHIP $(9)$ Recistrat
FLM 4943 INTERNSHIP (9) Registration Approval: Travel Studies
Form. Prerequisite: Accertance int Center. An opportunity to gain practical work experience in the film industry.

## THE UNIVERSITY SCHOLARS

## Wesley E. Lingren, Director

The University Scholars Program is an honors program reserved for a limited number of students of high promise and are high school or college grade-point and scores on the SAT or ACT tests

Admission of high school seniors to the program is by invitation. There is no special honors application form or procedure for this group. Qualified admitted applicants will receive a letter from the program director. Transter students information.
The essential features and expectations of the program are: University Scholars students are exempt from all general education requirements except the foreign language
requirement and a three-quarter 15 creditcore course called Texts and Contexts I, II, II (GS 1111, 1112, 1113). Participants must also have a major and will need 180
above, for graduation.
2. University Scholars students must meet the 15 credit Introduction to Old Testament and Introduction to New Testament are to be taken by participants. Transfer student may qualify for a modification of this requirement; see Catalog under Transfer Students/Foundation Requirement Program must attend and receive credit for the President's Symposium ( 1 cr .) (GS 1115) in the autumn quarter of their first year in the program. The President's Symposium provides a forum for: a) orienting new students to the Program, b) meeting selected administrators and faculty, c becoming acquainted with other members of the Program, and d) Learning about some of the tradititions and
University Scholars students must attend and receive credi for a junior-senior seminar sequence. The sequence starts in the junior year ( 4 cr .), involves a summer reading component ( 2 cr .), and finishes with a senior seminar ( 4 cr.). The seminars attempt to transcend traditional course and discipline boundaries and deal with issues, problems and questions of broad but significant interest. They are
designed to give a culminating honors experience. One component of the junior seminar will provide directions for starting the senior honors thesis or project.
5. University Scholars students are required to complete an honors project or paper worth at least five credits in a subject of his or her choice. The project is to be started in
the junior year and completed at least one quarter prior to graduation. Startup help and direction will be part of the junior seminar mentioned in the preceding section. Projects or papers that fulfill this requirement must meet certain minimum standards, have an on-campus faculty advisor and be approved by the Director of the University

Scholars Program.
honors project are given satisfactorily complete an ment.
7. University Scholars students are encouraged to gain college course credit through a) advanced placement examinations, b) College Level Examination Program (CLEP), and ) through examination for currently offered SPU courses. these programs. Unese programs better.
9. Students wishing to leave the program at any time should submit a letter of resignation to the Director. They will immediately become subject to the general education requirements. They will not lose credit earned by successful completion of examinations (e.g., CLEP, challenge or Special service to the SPU community should be a high priority for University Scholars.

The program offers flexibility and freedom and should appeal to the bright, mature student and to those with an intense special interest or talent. Independent study and self-designed curricula will be integral parts of the program in many cases. Students desiring further information should direct thei requests to: Wesley E. Lingren, Director, The University
Scholars Program, Seattle Pacific University, 3307 3rd Ave. W, Schoalars Program, Seattle Paciific Univer
Seattle, WA 98119; email: wel@spu.edu.

UNIERSTTY SCHOLARS Courses GS 1111 TEXTS AND CONTEXTS I (5) Registration Approval: Instructor. Examines selected classic cultural artifiacts of the ancient
period using the perspective of the problem of evil, the problem of period using the perspective of the problem of evil, the problem of
violence, the tension between reason and revelation, the tension vioience, the tension between reason and revelation, the tension
between the individual and society, and the question of free will. Open to: University Scholars only.
GS 1112 TEXTS AND CONTEXTS II (5) Registration Approval Instructor. Prerequisite: GS 1111. Applies the problematic approach Open to: University Scholars only GS 1113 TEXTS AND CONTEXTS III (5) Registration Approva Instructor. Prerequisiti: GS 1112. Continues the problematic ap using selected Modern works. Open to: University Scholars only. GS 115 PRESIDENT'S SYMPOSIUM (1) Registration Appro University Scholars. A forum for orientation, introduction to the traditions and history of SPU and the basic ideaas of a Christian libera arts education. Open to: University Scholars only. Approval: Instructor. An in-depth exploration of a single isul or idea. Builds upon the approach used in Texts and Contexts. deliberate effort will be made to tie the reflections of this course to theism. Concrete help for formulating an acceptable honors project prospectus. Open to: University Scholars only. Attribute riting Course. Class not open to: Freshmen. (4) Work on an issue(s) or idea(s) with a natural progression of problemsolving tasks. Again, special effort will be devoted to tying the subject to theism. Higher levels of educational objectives such as analysis, synthesis and evaluation will be emphasized. Open to: University Scholars only. Attribute: Writing Course. Class n open to: Freshmen and Sophomores
Prerequisites: GS 3910. Explores generally accing SEMINAR (2) reacing and writing. This course is a requirement for the University Scholars program. Open to: University Scholars only. Offered summer only A Atribute: Writing Course.
GS 4960 HONORS PROJEC Coordinator of Univ Scholars Open (2-5) Registration Approval: be repeated for credit up to 8 credits.

FACULTY


## The Faculty

Martin L. Abbott, Professor of Sociology; Dean, College of
Arts and Sciences; B.S., Portand State University, 1974; M.A., Pepperdine University, 1976; Ph.D., Portland State University, 1984. At SPU since 1985.

Cultural Communications; BA. Wheaton Collese 1067. M.A., Syracruse University, 1969; Ph.D., Washington State University, 1980. At SPU since 1977. (Continuing part-time.) Donna J. Allis, Assistant Professor of Nursing; B.S.N., University of Arizona, 1976; M.S., Indiana University, 1983 Ph.D., University of Ariza
(Continuing part-time)
(Continuing part-time.) David Anderson, Assistant Professor of Choral Music; B.A. Whitworth College, 1981; M.Mus., University of Oregon, 1987; D.M.A. (abd), University of Oregon. At SPU since 1992.

Roger H. Anderson, Professor of Physics; B.S., University of Washington, 1951,Ph.D., 1961, National Science Foundation Science Faculty Fellow, University of Ilinois, 1968-69;
Interdisciplinary Post-doctoral Fellow, Duke University, 1972-73: Senior Scientist at Gulf Research, 1978. At SPU since 1961.

JoAnn Atwell-Scrivner, Instructor of Physical Education B.A., Willamette University, 1976; M.A., Whitworth College, 1990. At SPU since 1986.

Robert Baah, Associate Professor of Spanisb; B.A., Universit Southern California, 1994. At SPU since 1995
Kathryn M. Bartholomew, Associate Professor of European Studies and Linguistics; B.A., University of Washington, 1969; M.A., 1970; Ph.D., 1979. At SPU since 1989 Edward J. Bauman, Director and Professor of Engineering; B.S.E.E., University of Minnesota, 1955; M.S., Aeronautics Ph D UC A 1966 At SPU since 1985 Janet Blumberg Professor of English; Washington, 1968; M.A., 1969; Ph.D., Harvard University, 197 At SPU since 1974.
Barbara J. Bovy, Professor of Education and Management; Director of Family Consumer Sciences; B.S., Universi of Idaho, 1960 ; M.A., Univ
1979. At SPU since 1978.
Kevin W. Bolding, Assistant Professor of Ensineering: B Rice University, 1988; M.S. University of Washington, 1991; Ph.D. 1993. At SPU since 1995.
R. Reed Boyce, Professor of Urban and Regional Studies; B.S., University of Utah, 1956; M.S., 1957; Ph.D., University of Washington, 1961. At SPU since 1976
Kathleen Braden, Professor of Geography, Urban and Regional Sudies, B.A., Boston University, 1972; M.A.., 1982.

David C. Brooks, Professor of Mathematics; B.S., Seattle Pacific College, 1958; M.S., University of Washington, 1960; Ph.D. 1978. At SPU since 1967
Janet B. Buck, Instructor of Mathematics; B.S., Seattle Charles H. Burris, Jr Associate Pr. Science; B.S., University of Utah, 1965; M.S. 1967. Ph Duter University of New Mexico, 1974. At SPU since 1982. David Caddell, Assistant Professor of Sociology; B.A., California Baptist College, 1986; M.A., California State-Fullerton, 1989; Ph.D., Purdue University, 1992 . At SPU since 1994. Oregon, 1968; M.F.A., 1970. At SPU since 1970.

Grayson Capp, Professor of Chemistry; B.S., Seattle Pacifi College, 1958; M.S., University of Oregon, 1961; Ph.D., 196 University, 1966-68. At SPU since 1968
Myrna Capp, Assistant Professor of Music; B.A., Seattle Pacific College, 1959; M.A., University of Washington, 1977. SPU since 1968. (Continuing part-time.)
Robert Chamberlain, Professor of Communication; B.A Cascade College, 1961; M.S., University of Oregon, 1967; Ph.D
1972. At SPU since 1978 . 1972. At SPU since 1978.

Cascade College, 1960; Doctoral Candidacy, University of Oregon, 1973. At SPU part-time 1961-62; full-time since 1962 Bruce D. Congdon, Professor of Biology, Director of Blakely Program; B.S., College of the Ozarks, 1979; M.S. Colorado State University, 1981; Ph.D., University of California
Riverside 1985 At SPU since 1985 . iverside, 1985. At SPU since 198
James H. Crichton, Professor of Physsics and Engineering
Science; B.S., Seattle Pacific College, 1959; Ph.D. University of California, 1965; National Science Foundation Faculty Fellow, University of Washington, 1971-72. At SPU since 1965. 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
B.A., Whitman College, 1971; M.A. University of Economics; Ph.D., 1979. At SPU since 1977
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. Margaret Diddlams, Assistant Professor of Management; Ph.D., 1994. At SPU since 1993.
Douglas A. Downing, Associate Professor of Economics; B.S., Yale University, 1979; M.A., 1982; Ph.D., 1987. At SPU since 1983.
Robert R. Drovdahl, Professor of Christian Ministries and Education; B.A., Seattle Pacific College, 1971; M.A., Wheaton Graduate School, 197 Douglas Duraso
Michigan State University, 1966; M. Phil Yale University, 1960 Ph.D., 1978. At SPU since 1986.
Philip W. Eaton, Provost; B.A., Whitworth College, 1965; M.A., Arizona State University, 1966; Ph.D., 1971. At SPU since Arthur Arthur Ellis, Professor of Education; B.S., Oregon College, since 1986 .
Ruby M. Englund, Associate Professor of Nursing; B.S.N., Gustavus Adolphus College, 1904, M.I., University of Washing ton, 1965. R.N. At SPU since 1966
Joyce Q. Erickson, Professor of Englisb; Director of
Freshman Year and Faculty Adrisar. Freshman Year and Faculty Advising; B.A, North Central
College, 1965; M.A. University of Washington, 1966; Ph.D., 1970. At SPU 1969-83 and since 1992

Alberto Ferreiro, 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. Gary R. Fick, University LLibrarian, Professor of Natural sciences; B.A., State University of New York-Buffalo, 1971; M.S.
973; M.L.S., 1974 ; M.A. University of Washington, 1983; At SPU since 1974.
Cynthia Fitch, Assistant Professor of Biology; B.S., McMurray College, 1985; Ph.D., Iowa State University, 1990. At SPU since 1994.

Jeffrey T. Fouts, Professor of Education; Director, Doctoral Education Program; B.S., Ok ahoma Christian College, 197 University, 1979; Ed.D., 1983. At SPU since 1984.
Randal S. Franz, Assistant Professor of Management; B.A., California State University-Sacramento, 1982; M.A., 1985; A.M., Stanford University, 1988; Ph.D., 1991. At SPU since 199 Mary E. Fry, Associate Professor of Nursing; B.S.N., Univers Scences 1994. R N At SPU since 1969 usan VanZanten Gallagher Professor of Vestmont College, 1978; M.A., Emory University 1981; Ph.D. 1982. At SPU since 1993. (On leave 1995-96.)

Fan Mayhall Gates, Associate Professor of Englisb; B.
Baylor University, 1956; M.A., Mississippi State University, 1963 At SPU since 1963
Pat L. Giurgevich, Assistant Professor of Nursing; B.S 1989 At SPU since 198sity, 1977; M.S., University of Washington, Philip M. Glassey, Associate Professor of Accounting; B.S., University of Rochester, 1960; M.B.A., University of California Berkeley, 1969; C.P.A., 1969. Big 6 accounting experience onsulting experience. At SPU since 1983
Phillip N. Goggans, Assistant Professor of Pbilosophy; B.A., Syracuse University, 1993. At SPU since 1993.
Robert E. Grams, Assistant Professor of Physical Educa ion; B.A., Washington State University, 1975; M.S., University of rizona, 1976. At SPU since 1976.
Jennifer Graves Mason, Assistant Professor of Nursing: B.S., Uni
1991.

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ship; B.A., Stanford University, 1959; M.B.A., University of Southern California, 1964; D.B.A., 1967. Extensive consultin experience in management, economics, and finance for sma and large business. At SPU since 1980 .
Kenneth E. Knight, Professor of Management; Dean
School of Business and Economics: BS Yale Unversit, School of Business a Mecon University, 1,I , Yale Universily spu since 1989.
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Walls Cbair in Weslevan and Biblical Studies; B University, 1952; B.D., Gordon Divinity School, 1955; M.Th., Westminster Theological Seminary, 1956; Th.D., Harvard University, 1962. At SPU since 1989
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College 1969. M PhD , Conger of History; A.B., Wheaton SPU since 1974
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1972; B.S., USAF Technical Training Center 1975; M.S University of Southern Mississippi, 1977. At SPU since 1080 Raymond Davis, Music; B.M., Juilliard School of Music, 1959. At SPU since 1986.

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## Affiliate Faculty

phil Smart Sr., Chairman of the Board, Phil Smart Mercedes Benz. Outstanding leadership in the community; over 25 years serving as a vicur and in Boy Scouts,
organizations.

## Emeriti

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ayne H. Balch, Music; Director of Music 1966-1977 irector of Registration and Records; B.A, Wheaton College, 1942; Mus.M., American Conse
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Greenville College, 1940; B.D., McCormick Theological Greenville Coilege, 1940; B.D., McCormick Theological
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1942; Mus.M. 1946- AtSPU 1055-90. Fmeritasince 1990 1942; Mus.M., 1946. At SPU 1955-90. Emerita since 1990. Curtis A. Martin, Education; President; B.A.Ed., Seattle
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M.R.E., New York Theological Seminary, 1943. At SPU $1960-78$. Emerita since 1978.
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Director, Center for Special Populations
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obert C Huber MA
Assistant Athletic Director of Business and Operations Program Director, Casey Conference Center B.A., 1 , itworth College, 1965; M.A., California S
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## ALUMNI <br> ASSOCIATION

The Seattle Pacific Alumni Association is a voluntary organization of former students and graduates. The executive board h 21 postio the alumni bancuet each spring The Young Alumni Council works in concert with the Alumni Board. Five times a year, Seattle Pacific pubblishes and sends free to alumni the tabloid newspaper, Response. All alumni are urged to keep the Association informed of changes in address and employment, births, marriages and any other informatio of interest to their fellow me
Area meetings are held throughout the nation under the leadership of area alumni representatives. The Association assists the University through referral of prospective students and campus volunteer services. Alumni participate in Roll Cal "Phonathon" (the annual fund drive) for the benefitt of SPU. The Alumni Director and Alumni Program Assistant are Association's sactivities.

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| istance Learning ................................................ 11 | Library ................................................................ 8 |
| ing Studies .............................................. 10 | Linguistics Minor $\qquad$ 110 |




## APPLICATION MATERIALS



## Applying to <br> Seattle Pacific University

Seattle Pacific University welcomes your application for admission. The University seeks to admit academicall
qualified students who desire a challenging and distinctly
Christian education in the arts, sciences and professions.
Your application and each of your supporting credentials
will be carefully reviewed. It is extremely important that these materials present a full and accurate record of your academic and personal qualifications. A decision will be made regarding your admission immediately after all application materials have been received.
If you need assistance in completing the application proces ease call the Office of Admissions at (206) 281-2021 or 1-800 36-3344.

## Admission Checklist

- Submit your application materials to the Office of Admissions including: $\quad$ Seattle Pacific University Undergraduate Admission Application
A $\$ 35$ Applicatication Fee
Academic Recommendation
Personal Recommendation
E Early Decision applicants: Complete the enclosed 1996-97 Early Decision Form and submit it along with your Eary Decision Formm and submiti it along with your
Undergraduate Admission Application by December 1, 199 (See form for details.)

Request that official transcripts for all courses taken be sent to the Office of Admissions. If any high school or college work is currently in progress, please ask your school to forward a final transcript when the work is complete.

Request that the results of the Scholastic Aptitude Test (SAT) or American College Test (ACT) be sent to the Office of Admissions. SPU's school code for SAT is 4694. For ACT it is 4476 . Note: Transfer students do not need to submi test scores.
Indicate a decision to enroll by sending your advance payment (which includes room deposit). Advance payments 1996, the National Candidates Reply Date.

## Financial Assistance and

Scholarships Checklist

- Information from a student's application for admission wil be used in determining eligibility for institutional scholarshipss. For detailed information about the types of cholarships available, please refer to the "Financing your
- Submit your Free Application for Federal Student Aid (FASFSA) as soon as possible after January 1, 1996, to ensure you receive all the financial aid for which you are qualified. The earlier you apply for financial aid, the better PAFSA is 003780 aiter you can expect. SPU's school code to
- Plan to be admitted before March 1, 1996, in order to receive the maximum consideration for institutional scholarships (February 15 for SPU Merit Fellowships and SPU Scholar Awards) and financial aid.
- Submit Financial Aid Transcripts (FATs) for any postsecondary institutions you have attended to the SPU Office disbursement of aid to your student account.

Note: The University will not accept pbotocopies or facsimile (FAX) copies of any transcribts or test scot that are required as part of the application process. Documents are not considered official unless they are received in a sealed envelope directly from the sending institution, or if (in the case of test scores) they are sent to SPU via electronic tape.

## Undergraduate Admission Application

This form, along with school transcripts, SAT or ACT scores, and academic and personal recommendations will be considered when evaluating your application to Seattle Paciic 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 qualities, 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 compile a complete application packet. Incomplete files will also be accepted, however.


## Personal Information


2. Sex $\square$ Male $\square$ Female
3. Present Address

Phone (___)
Number and isreet
city
.. Work Phone ( Conntry

How long will you receive mail at this address?
Until Mo/Day/Yr


Phone ( $\qquad$
5. Social Security No.__ . 6. Birthdate $\qquad$ 7. Birthplace
8. Country of Citizenship $\qquad$ Current Visa Type $\qquad$ Are you a resident alien? Resident Alien No. A-
9. Are you a military veteran? $\square$ Yes $\square$ No Military Separation Date
10. The following item is optional: How would you describe yourself? (Please check.)

The following item is optional: How would you describe yiopseetic-American
$\square$ Alaskan Native $\square$ Caucasian/White $\square$ Assian-American
(Please specify origin.)
$\square$ Other (Please specify origin.) $\qquad$
(Please specily origin.)
11. The following item is optional (for statistical purposes only, will not be used to determine admission to the University): Do you have a physical sensory or mental impairment that substantially limits one or more life activities (e.g. walking, seeing, hearing, breathing or learning)? $\square$ Yes $\quad$ No
12. Name of church or Christian organization to which you belong/attend $\qquad$ Denomination
Address
Number and Street
${ }^{\text {Cily }}$
Slate
Zip Code

Phone (__

## Family Information

Note: Adult learners do not need to complete this section, unless it applies.

15. If either of your parents graduated from SPU, please indicate year(s) of graduation.
16. Check here if one or both of your parents is a full-time, ordained, practicing Christian minister or missionary. $\square$ (Note:This information determines eligibility for ministerial scholarships and will not be used for admission purposes.)
17. If your parents are deceased, separated or divorced, you may wish SPU communication that is usually sent to a parent to be sent to another individual. Please provide the name, aldress and relationship of this person(s).

18. Names and Ages of Brothers and Sisters in High School

| Name | Age | Age |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Age | Name | Age |

## Educational Plan

19. Do you plan to earn an undergraduate degree at SPU? $\quad$ Yes $\square$ No
20. Intended Major

If undecided, what subject area or career interests you?
21. Please list each of the colleges and universities to which you are applying in order of your preference (induding SPU).
$\qquad$

## ducational Background

22. When will (or did) you graduate from high school? __ 23. Do you have a GED? $\square$ Yes $\square$ No
23. Are you a home-schooled student?
$\square$ Yes $\square \mathrm{No}$
24. Have you taken the SAT or ACT? $\square$ Yes $\square$ No If $s 0$, when? $\qquad$ Scores: SAT: $\qquad$ ACT: $工$ Composite
Did you take the SAAT or ACT' twice? $\square$ Yes $\square$ No If so, when?

25. (Freshman Applicants) Are you currently enrolled or have you been enrolled in a college or university course for which you are also receiving high school credit? $\square$ Yes $\square$ No
If so, at which college or university have you been enrolled?
Are you participating in the Washington State Running Start Program
$\square$ Yes $\quad \square \mathrm{No}$
26. List all high schools, colleges, universities and post-secondary institutions you have attended. (Please give full names.) You are required to send offcial transcripts from each institulion even if you do not expect to transfer credit
Name of High School
$\square$

City, State
Dates of Attendance
$\qquad$

27. (Freshman Applicants) Please list all the courses you are taking in your senior year. Please note which, if any, are advanced placement or honors courses.
28. 
29. If you are not currently in school, please describe your activities (e.g. work, travel, community service, etc.) since you were last enrolled.
30. Transfer Student: Are you a member of the Phi Theta Kappa Honor Society?
$\square$ Yes
$\square$ №

## Involvement and Activities

Please describe all high school/college, church, community or professional activities in which you have participated over the last four years. It is important to complete this infornation thoroughly since it will be used in determining both admission and scholarship eligibitity.

| 31. High School/College Activities | \# of Hours <br> Per Week | Years of <br> Involvement |
| :--- | :--- | :--- |
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| 32. Church Activities/Involvement | \# of Hours <br> Per Week | Years of <br> Involvement |
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| 33. Leadership Positions Held/Honors/Awards/Recognition |  |  |
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| 36. Other | \# of Hours <br> Per Week | Years of <br> Involvement |
| :--- | :---: | :---: |
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## Additional Information

37. Do you plan to apply for financial assistance? $\square$ Yes $\quad \square$ No If yes, the Free Application for Feteral Student Aid (FAFSA) was/will be filed on:
38. Preference for Living Arrangements $\square$ On Campus $\square$ Off Campus
(NOTE: Unmarried students under 21 years of age on October 1 must live on campus, unless they are living with parents or relatives and have been approved to , (tate
39. In which of the following college activities would you like to participate? (Check as many as apply.)
$\square$ Band
$\square$ Visual Arts
$\square$ Debate
Debate
Study Abroa
$\square$ Orchestra
$\square$ Theatre
$\square$ International Missions
$\square$ Student Governmen
$\square$ Intramurals $\square$ Cheerleading
$\square$ NCAA Athletics
(Specify sport(s)) information about any of your special interests visit. We can arrange for you to tour campus, visit classrooms and meet advisors. We
If you've already visited SPU, what was the occasion?
$\square$ Personally Arranged Visit $\quad \square$ Campus Preview
$\square$ Other Campus Event (Please name)
40. How did you hear about Seattle Pacific University?
41. What was the most important factor in your decision to apply for admission?

## Personal Essays

Please read the statement describing "Seatlle Pacific: A Christian University" on the inside back cover and thoughtfully respond to the questions below. Your answers to the following questions 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. (Attach additional pages - one or two pages per essay.)
43. Seattle Pacific University seeks to admit students who will best succeed in and benefit from an environment where learning and Christian faith are integrate (San fith is not required for admission) How would enrolling at SPU help you accomplish your educational and personal goals?
44. Based on your involvements and life experiences, describe the unique contribution(s) you believe you can make to the SPU community.

## Agreement

I certifi that the information I bave trovided in my application for admission to Seatlle Pacifc University is true, complete and accurate. Further, I Iam aware of the I cerifp ibaat ine injormation Ibaveprovided conct outined on page 34 and on the inside back cover of the University Catalog. If admilted to Seattle Pacific, I agree to abide by and support tbese standards and values.

## Signature

Thank you for providing us with the following information to ensure your application is complete:

|  | Enclosed | Previously Sent/Date |
| :--- | :---: | :---: |
| Seattle Pacific Undergraduate Admission Application | $\square$ | $\square-$ |
| $\$ 35$ Application Fee | $\square$ | $\square$ |
| Academic Recommendation | $\square$ | $\square$ |
| Personal Recommendation | $\square$ | $\square$ |
| Early Decision Form | $\square$ | $\square-$ |
| Official High School Transcript | $\square$ | $\square$ |
| Official Scholastic Aptitude Test (SAT) or |  |  |
| American College Test (ACT) Scores (if required) | $\square$ | $\square-$ |
| Official College Transcripts | $\square$ | $\square$ |

Please enclose your $\$ 35$ application fee with this application and mail to
Kenneth E. Cornell, Director of Admissions
Seattle Pacific University
3307 Third Avenue Wes
Seattle, Washington 98119

Nondiscrimination Policy
is the policy of Seattle Paccific Univerity not to discriminate on the basis of race, color, national origin, sex, age or disability in admisision and aceess $t 0$, or treatment or employment in its programs or activities,
 As amended, Tite Vl of the Civil Righhis sct of IDC6t, as amented, and the Age Discrimination Act, as amended, and their implementing regulations.
As a relifgulus elucacaional institution
If you have any questions regarding this policy, please contact the following pessons:

```
section 504 Coortinator:
Primary Assisant Director, Center for Specal Populations (206) 28-2475
Vice President fo Sudent Life (206) 281-2067
Seatte Pacific Univesisty
    Seatle, VA 9819
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Tite IX Coordinator:
Vmary Vice Presiden for Enollment Services (206) 28-2650
Secondary Ditector of Personnel (206) 281-2065
    Seatlle Pacific Inivesity
    3307. Third Avenue W/
```

 If you beiever you may have been discriminat

## Academic Recommendation

Note to Applicant: An academic recommendation is a required part of your application for admission. This recommendation should be completed by a bigh schoo teacher, counselor or official; or a collese aduisor or official. Adult tearners 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 Persomal Recommendation

## Please type or print.

Applicant's Name $\qquad$ Social Security Number

Address
Nunber and Street
city
$\qquad$
$\square$ Please check if you wish to waive your right under the Family Educational Rights and Privacy Act of 1974 to access this recommendation.
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 weport so that fair consideration may be given to the applicant. The student has access to his/ her ille, which will include

Your recommendation is a significant part of the student's application for admission. The student cannot be considered for admission to SPU witbout thi 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 sudent in the following areas?

Motivation
Self-Discipline
Creativity
College Preparedness

| Outstanding (Top 10\%) | Good | Average | Below Average |
| :--- | :--- | :--- | :--- |
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4. Character and Personal Oualities

How would you rate this student in the following areas?

Leadership
Self-Confidence
Concern for Others
Personal Initiative

| Outstanding (Top 10\%) | Good | Average | Below Average |
| :--- | :--- | :--- | :--- |
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5. Seattle Pacific University seeks to admit academically quairifed sudents who desire a challenging and distinctly Christian education in the arts, sciences an professions. fease writ a summary apprasal of he applicant's qualifications for admission and potential for success at sw. Wa s alens and stree enable this student to succeed at Seattle Pacific? Are there any academic or personal traits which might hinder the applicant's success? Please explain
6. I recommend this applicant for admission

For Academic Promise
For Character and Personal Promise
For Leadership Potential
Overall Recommendation

| With Enthusiasm | Strongly | Fairly Strongly | Without Enthusiasm | Not Recommended |
| :--- | :--- | :--- | :--- | :--- |
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Name (Please Print)
Date
Signature
$\qquad$

High School/College/Organization
Address $\qquad$ Cliy
State $\quad$ Izp cade
Phone $\qquad$ )
 $\square$ SPU Alum

## Please return to

Kenneth E. Correll, Director of Admissions
Seatle Pacific University
307 Third Avenue Wes
Seattle, Washington 98119

Personal Recommendation

Note to Applicant: A personal recommendation is a required part of your application for admission. This recommendation sbould be completed y 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 completed your Academic Recommendation.

## Please type or print.

Applicant's Name Social Security Number

Address $\qquad$ clity
zip Code
$\square$ Please check if you wish to waive your right under the Family Educational Rights and Privacy Act of 1974 to access this recommendation.

Note to Respondent: The above student is applying for admission to Seattle Paciicic 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 witbout this recommendation.

## Please type or print.

1. How long have you known the applicant? $\qquad$
2. In what context have you known the applicant?
3. Character and Personal Qualities

How would you rate this student in the following areas?

Leadership
Self-Confidence
Concern for Others
Personal Initiative

| Outstanding (Top 10\%) | Good | Average | Below Average |
| :--- | :--- | :--- | :--- |
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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 Christan education in the arts, sciences and professions. Please write a summary appraisal of the applicants qualifications for admission and potential for success at SPU. What falents and strengths would nable this sudent to succeed at Seattle Pacific? Are there any academic or personal traits which might hinder the applicant's success? Please explain.
6. I recommend this applicant for admission

## For Academic Promise

For Character and Personal Promise
For Leadership Potential
overall Recommendation

| With Enthusiasm | Strongly | Fairly Strongly | Without Enthusiasm | Not Recommended |
| :--- | :--- | :--- | :--- | :--- |
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## 1996-97 Early Decision Form

University
Seattle Pacific University is your first choice, we invite you to apply under the Early Decision Plan. This Erly Decisio Form along with the Ule application, must be submitted by December 1, 1995. You must complete the application process and be offered admission by February 15, 1996
Early Decision students receive priority consideration in financial aid and housing assignments, provided they meet financial aid and housing deadlines (see "Financiaa and a transportation allowance to attend Campus Prevewo a threo-day even terld Decision students as they make plans to enroll by providing discounted ticket will receive complimentary meals, housing on campus and a a thre-day event held later in the year. Early Decision students may elect to visit at a different time and ,

The advance payment ( $\$ 300$ for resident students and $\$ 200$ for commuters) must be received in the Office of Admissions by May 1 (see the "Admissions" section for details).

## Request for Early Decision Status

Seattle Pacific University is my first cboice, and I intend to enroll as a student beginning Autumn Quarter 1996. I request Early Decision status when my application for admission is considered

Signature
Date

## Please type or print.

Name
Address
City
, $\qquad$ Zip

Return this form with the Undergraduate Admission Application and $\$ 35$ application fee by December 1. Mail it to:
Kenneth E. Cornell, Director of Admissions
Seattle Pacific University
3307 Third Avenue Wes

## eattle Pacific: A Christian University

 as remained the same for more than a century. We continue toelieve that the finest education is informed by Christian faith. As a university, Seattle Pacific's mission of one of educaional inquiry. Believing that our faith calls us to excellence oth intellectually and spiritually - we actively strive to provid academic freedom and integrity are highly prized
What does this mean to you? It means that as a student,
ou'll be taught by professors who approach their disciplines rom a Christian perspective, But you will not to told what to elieve. Instead, through the educational process of inquiry, iscussion and experience, You will be challenge
seeks to create an environment which halance the Universid and support as you grapple with difficult questions. Our goal is to help you emerge with an even deeper Christian conviction and
Seattle Pacific works hard to maintain and strengthen its

## hich we accomplish this is

 b selecting faculty and staff members who are apologetically Christian, share the same essentials of fait studentAn which includes morning chapels, faculty-led small groups, ms. reflection retreats and other spritua growth opportunities. All full-time undergraduate students must meet SPU's chapel requirement.
Students are also asked to adhere to community standards of behavior. They are expected to refrain from academic cheating 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 doesn't use the word Christian lightly when describing itself. Our Christian identity is as mportant to us tocay as it was a century ago. We believe that without faith, knowledge is incomplete.

## NONDISCRIMINATION POUICY

It the policy of Seattle Pacific University not to discriminate on the basis of race, color, national orign, sax age or disability in admission and access to, or treatment or employment in its programs or activities, as required by section 504 of the Rehabilitation Act of 1973 , as amended, the Americans with Disabilities Act, a mended (to the extent applicable to the University), Title IX of the Educational Amendments of 1972 , as and their implementing 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 mployees on the basis of religion.

Section 504 Coordinators:
Section 504 Coordinators:
Primary: Assistant Director, Center for Special Populations.............................................206) 281-2475 Secondary: Vice President for Student Life. (206) 281-2067

Seattle Pacific University
3307 Third Avenue

## Title IX Coordinators:

Primary: Vice President for Enrollment Services $\qquad$ (206) 281-2650 Seattl P Pirector of Personnel
Seattle Pacific University
3307 Third Avenue
Seattle, WA 98119
If you believe you may have been discriminated against in violation of this policy, please contact the Section 504 Coordinators, the Titte IX Coordin
the University's grievance procedures.

This publication is certified as true and correct in content and policy as of the date of publication. The University reserves the rigbt, however, to make changes of any nature in programs, calendar, academic policy, or academic scbedules whenever these are deemed necessary or desirable, including changes in

## Seattle Pacific University

3307 Third Avenue West
Seattle, Washington 98119/Phone: (206) 281-2000
Toll Free: 1-800-366-3344


