



UNIVERSITY OF GEORGIA
UNIVERSITY

200809 Undergraduate Catalog

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President's Message

George Fox University is becoming one of the nation's premier institutions of higher education. We offer an environment that nurtures and develops the whole person. At George Fox, we see the wo

University Profile

Our Heritage

More than a century ago, early Oregon Quaker pioneers helped the rich and fruitful Chehalem Valley of Oregon. One of their first priorities, along with the founding of their church, was the education of their children. In 1885, the Christian instruction of their offspring was assured with the establishment of Pacific Academy. At the same time, founding pioneers were looking ahead with a dream of a college to provide more advanced education. That time came Sept. 9, 1891, with the opening of the doors of Pacific College. Fifteen students were enrolled on opening day.

In the 116 years since George Fox University's founding, major changes have included the name of the university itself. Retitled in 1949 because of the many "Pacific" colleges, the school was named in honor of the founder of the Friends Church. The name changed again in July 1996 when George Fox College became George Fox University, incorporating Western Evangelical Seminary.

From only a handful of courses in the 1890s, the university now offers 38 undergraduate majors, and graduate programs in psychology, counseling, education, business, ministry, and religion. Over the years, more than 16,000 students have called this institution their alma mater.

George Fox has grown rapidly in the last two decades in reputation and facilities. News & World Report for 19 years has named George Fox "One of America's Best Colleges." In 2005, George Fox ranked in the top tier in the category of Best Universities, West Region. National recognition also has come from the John Templeton Foundation which selected George Fox as one of 100 in its Honor Roll of Character-Building Colleges.

Following a series of campus master plans, George Fox has expanded in recent years to now include 100 buildings on approximately 85 acres. The most recent expansion was the 2006 purchase of an adjacent eight acres formerly occupied by Providence Newberg Hospital. The growth to the east incorporates tree-lined Hess Creek Canyon within the main campus. The canyon formerly served as the campus' eastern boundary. A 24-acre tract north of the campus also is to be developed into a new athletic field complex. More than 3,000 students come to George Fox from across the nation to participate in the experience of sharing and learning with dedicated faculty and administrators.

Even as it expands its mission by offering graduate programs and serving adult learners, George Fox remains committed to providing more than 1,500 traditional undergraduate students with a residential campus atmosphere in Newberg. There, learning takes place outside the classroom as well as inside through a variety of experiences including music, athletics, clubs and organizations, special events, and Christian ministries.

The Christian atmosphere is a campus priority. With other Christian universities, the university holds to the historic truths and teachings of Christianity, as outlined in the statement of faith. From its founding, the university has been guided by Northwest Yearly Meeting of Friends Church. It historically has emphasized the necessity of genuinely experiential Christian faith, personal integrity and purity, the spiritual nature of the ordinances, the importance of peacemaking and responsible social action, the involvement of women in ministry and leadership, the valuing of simplicity, right and duty of each person to hear and follow God's call.

10. Cultivate awareness, respect, understanding, and appreciation of cultural diversity throughout the university community to provide members of diverse races and cultures an affirming environment that encourages cross-cultural sharing in the context of Christian lifestyle expectations.

Statement of Faith

The Trinity

We believe in one eternal God, the source and creator of all things, who exists as three persons in the Trinity: the Father, the Son, and the Holy Spirit. In love and joy, God creates and sustains the universe, including humanity, male and female, who are made in God's image.

God the Father

We believe in God the Father Almighty, whose love is the foundation of salvation and righteous judgment, and who calls us into covenant relationship with God and with one another.

God the Son

We believe in Jesus Christ, the Word, who is fully God and fully human. He came to show us God's perfect humanity, and, through his life, death, and resurrection, to reconcile us to God. He is now actively present with us as Savior, Teacher, Lord, Healer, and Friend.

God the Holy Spirit

We believe in the Holy Spirit, who breathed God's truth through prophets and apostles, opens our eyes to God's Truth in Jesus Christ, empowers us for holy living, and carries on in us the work of salvation.

Salvation

We believe that salvation comes through Jesus Christ alone, to whom we must respond with repentance, faith, and obedience. Through Christ we come into a right relationship with God, our sins are forgiven, and we receive eternal life.

The Bible

We believe that God inspired the Bible and has given it to us as the uniquely authoritative, written guide for Christian living and thinking. As illumined by the Holy Spirit, the Scriptures are true and reliable. They point us to God, guide our lives, and nurture us toward spiritual maturity.

The Christian Life

We believe that God has called us to be disciples of Jesus Christ and to be God's agents of love and reconciliation in the world. In keeping with the teaching of Jesus, we work to oppose violence and sin, and we seek peace and justice in human relationships and social structures.

Accreditation and Memberships

George Fox University is accredited by the Northwest Commission on Colleges and Universities, by the Oregon Teacher Standards and Practices Commission for the preparation of teachers in specific fields, and by the National Association of Schools of Music. It is approved by the U.S. government and the states of Oregon and Idaho for the education of veterans, and by the U.S. attorney general for the admission of international students.

The university is a member of the national Christian College Consortium, the Council of Independent Colleges Northwest Conference, the Council for Christian Colleges and Universities, the Association of American Colleges, the College Scholarship Service, the Association for Higher Education, the Friends Association for Higher Education, the National Association of Evangelicals, the National Collegiate Athletic Association, the Northwest Conference, the National Association of Independent Colleges and Universities, the Council of Independent Colleges, the Evangelical Teacher Training Association, the Northwest Association of Private College and University Libraries, the Oregon Independent Colleges Association, the Oregon Independent College Foundation, the National Council of Schools and Programs of Professional Psychology, and the Council of Graduate Departments of Psychology.

The undergraduate athletic training education program is accredited by the Commission on Accreditation Allied Health Education Programs.

The undergraduate engineering program is accredited by the Engineering Accreditation Committee of Accreditation Board for Engineering and Technology.

The undergraduate music program is accredited by the National Association of Schools of Music.

The undergraduate nursing program is accredited by the Commission on Collegiate Nursing Education.

The undergraduate social work program is accredited by the Council on Social Work Education.

The School of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE).

The School of Education is also approved by the Oregon Teacher Standards and Practices Commission (TSPC) for the preparation of early childhood and elementary teachers at the undergraduate and graduate levels and for the preparation of middle and high school level teachers in specific fields at the graduate level. TSPC has also approved the School of Education for the preparation of principals, superintendents, and administrators as well as school counselors and school psychologists.

The school counseling and school psychology degrees and certificates fulfill all the educational requirements for licensure by the Teacher Standards and Practices Commission (TSPC).

George Fox Evangelical Seminary is accredited by the Association of Theological Schools in the United States and Canada and by the Northwest Association of Schools and Colleges.

The Graduate School of Clinical Psychology is accredited by the American Psychological Association. Doctor of Psychology (PsyD) degrees fulfill all the educational requirements for licensure by the Oregon Board of Psychology Examiners and for listing in the National Council of Health Service Providers in Psychology.

the enthusiasm of cheering for the Portland Trail Blazers NBA team, the Portland Winter Hawks WHL hockey squad, and the Portland Beavers Triple-A league baseball team.

Despite the numerous Portland advantages, students prefer the small flavor of Newberg. Located on the Willamette River, Newberg has a population of 20,000, with many residents living in Newberg and commuting to Portland for their jobs. Historic downtown Newberg consists of a variety of stores, shops, and services. Friendly merchants who appreciate the university's students are just a few blocks south of the campus, with most businesses within walking distance. It's a personable town, rich in tradition. Former President Herbert Hoover once lived here.

The Newberg-Portland area has a mean daily high temperature in July of 83 degrees and a mean daily low in January of 32 degrees. Precipitation averages 37 inches a year, most of which is rain. While Newberg does get snow, it is seldom more than a few inches a year and rarely lasts more than a couple of days.

Learning Environment

request books and other materials from the consortium's union catalog of more than 27 million items. Students can also check out directly from any of the Cascade library when presenting their current GFU ID card.

In accordance with Christian convictions honoring the body as the temple of the Holy Spirit, the university community accepts a lifestyle that forbids immoral sexual behavior, possession, or distribution of illegal drugs. Obscene or pornographic materials or literature, including pornography via the Internet also are unacceptable. Students are expected to maintain these lifestyle standards both on and off campus. Responsibilities and expectations for traditional undergraduate students can be found in the

Submit entrance examination scores. The Scholastic Aptitude Test (SAT) [GFU code is 4325] or American College Test (ACT) [GFU code is 3462] will be accepted. The writing portion of the ACT is not required. Tests should be taken in your junior year or early in your senior year. Contact your high school principal or counselor for information concerning these tests. Soon after the admission file is completed, the applicant is notified of the Admissions Committee's decision. Updates to test scores will be considered until February 15.

If applying for financial aid, a Free Application for Federal Student Aid (FAFSA) must be submitted online at www.fafsa.gov.

A tuition deposit of \$300 must be submitted by each new student. This deposit reserves housing and a

Early Admission of High School Students

An early admission program is available to qualified high school students. This permits study at George Fox University while a student completes a high school program.

Eligibility Requirements

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High School Nongraduates

A student who does not hold a high school diploma may be admitted on the basis of the General Educational Development (GED) Test, provided the average standard score is at least 530 with no one score below 500. A high school or two-year college counseling center can supply testing details.

International Students

George Fox University is authorized under federal law to enroll nonimmigrant alien students. Prospective students who are not U.S. citizens are encouraged to apply early. To be considered for admission, an international student must complete all general admission procedures required of American students and submit a Declaration of Finances form or demonstrate adequate funds by a certified bank statement. Immunizations must be up to date and documented.

International students (F-1 students or visa students) must show proficiency in the English language. The following table lists required levels of proficiency based on the language assessment and the corresponding placement in George Fox University coursework:

Paper-Based TOEFL	Internet Based TOEFL	IELTS	Placement at George Fox University
550+	79+	5.5+	Regular degree coursework
500-540	61-78	5	Regular degree coursework with English tutorial support
Below 500	Below 61	Below 5.0	English Language Institute coursework

Readmission of Former Students

To apply for readmission after an absence of one or more semesters, a student should request an Application for Readmission from the Office of Undergraduate Admissions. A \$300 tuition deposit must be submitted by each readmitted student. Until May 1, it is refundable. The spring semester tuition deposit deadline is Dec. 1 and is not refundable after that date. Generally readmitted students must meet any or revised graduation requirements as listed in the catalog at the time of readmission.

Students who drop out to attend another program risk acceptance of that credit on return unless such has been approved by the registrar prior to leaving.

Auditors

Subject to instructor and registrar approval, any regular or special student may audit courses from which he or she wishes to derive benefit without fulfilling credit requirements. Auditors may enroll on a space available basis. Enrollment for audit must be established with the registrar at time of registration. Class attendance standards are to be met. Auditors pay a reduced tuition rate, generally one-third. Students' cost may exceed the reduced tuition if the audit causes them to exceed the maximum.

Students do not complete course requirements, and no college credit is earned. Audits will not be changed to credit after the registration change deadline. Students who elect to complete course requirements : auditor may not request a change of credit after the registration change deadline. Students may not complete or submit additional course work to modify the course registration for credit after the conclusion of the course.

Older Adults

Any person 62 years of age or older may enroll in additional undergraduate courses for credit or audit without a tuition charge. A service fee of \$25 per semester is required, plus a fee for materials if such materials are essential to the course. Students are not eligible to participate in institutional programs unless limited by space, equipment, or essential background, all courses are open. Application is through the registrar's office. A one-time application fee of \$40 is required. Counseling in regard to courses is also available in the registrar's office. All school of professional studies courses and graduate program courses are excluded.

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Description of Athletics Program

Ministry/Service

Ministry and service opportunities allow students to live out what they say they believe. Serve trips take place during the third week of Christmas break and the whole week of spring break in West Coast areas and beyond. Participants can receive four Spiritual Formation credits.

Student Activities and Organizations

Student organizations provide opportunities for the development of leadership qualities and interpersonal relationships. They are designed to supplement classroom work with practical experience and to provide recreational and social activities. These organizations include student bodies, music drama, publications, social and religious organizations, and various special groups. Students are encouraged to participate in areas of their interest.

In addition, a variety of honor societies are available for students including Sigma Zeta (natural science and math), Alpha Chi (general academics and character), and Psi Chi (psychology).

Student Government

The Associated Student Comm (ASC) of George Fox University is an organization of all undergraduate students with the purpose of serving as a unifying force for the university community and providing opportunities for the enrichment of members' lives.

Theatre

Part of the Department of Performing Arts at George Fox University Theatre presents three main stage productions each year as well as several other events including student-directed *Ten! Ten! Ten!*, a collection of student-directed 10-minute plays *Theatre Games*, an improvisational showcase *Shakespeare Under the Stars*, a showcase of monologues *Shakespeare* in celebration of Shakespeare's birthday. Augmenting the on-campus theatre program is the University Players, a theatre troupe that tours throughout the Northwest to churches, prisons, retreats, schools, and marketplaces. Each spring, the University Players hold *Players Presents*, where they deliver a special performance of their work to the community.

Academic Programs

General Education at George Fox University

General education is sometimes called a core curriculum, or general studies, of the college experience required of all graduates (although options may be permitted within certain programs) that them a common heritage and helps implement the distinctive university mission.

General education requirements 54 semester hours. Certain lower-division courses in general education are required of all students. The specified courses and the options listed below provide knowledge and skills in support of cultural perspectives and major programs. In some cases specified certain of the options stated below, students should check the major requirements described their selected majors. A single course may fulfill only one general education requirement. However, one course may be applied to general education, and/or multiple majors, and/or multiple minors.

Freshmen

All freshmen are expected to register for WRIT 110 College Writing (3) in the first year. Additionally, all first-semester freshman students who matriculate in the fall are required to take ED 130 First Year Seminar (1).

All new students with less than junior standing are expected to register for BIBL 100 Bible Survey (4), BIBL 101 Literature of the Old Testament (3) and BIBL 102 Literature of the New Testament (3), and other general education courses during the first year.

Transfer Students

Transfer students should consult closely with their faculty advisors concerning their general education requirements. They will generally be expected to fulfill the requirements of the catalog they entered George Fox University.

Bible and Religion (10 hours)

BIBL 100 Bible Survey (4). Freshmen are required to take this course, or given a superior placement examination, ~~and~~ ~~our~~ lower-division Bible elective. Students may substitute BIBL 101 Literature of the Old Testament (3) and BIBL 102 Literature of the New Testament (3). If substituted, both courses must be taken.

RELI 300 Christian Foundations (3)

One of the following ~~also~~ ~~the~~ courses in Bible:

- BIBL 240 Wisdom Literature (3)
- BIBL 250 The Psalms (3)
- BIBL 260 Life of Christ (3)
- BIBL 310 Old Testament History (3)
- BIBL 330 The Prophetic Writings (4)
- BIBL 340 Between the Testaments (3)
- BIBL 350 Writings of John (3)
- BIBL 360 ~~Women~~ and the Bible (3)
- BIBL 385 Selected Bible Topics (3)
- BIBL 390 Biblical Basis for Peacemaking (3)
- BIBL 411 Acts and the Pauline Epistles I (3)
- BIBL 412 Acts and the Pauline Epistles II (3)
- BIBL 480 General Epistles (3)

Students who are members of ~~the~~ ~~FC~~ Church are required to substitute RELI 260 History and Doctrine of Friends (3).

Bible and Religion Requirements for Transfer Students-~~(6~~hours)

Transfer students with fewer than 62 semester hours must fulfill the regular general education requirements as stated above.

Transfer students with an accepted Oregon or Washington associate of arts transfer degree of at least 62 semester hours and transfer students with 62 semester hours or more must fulfill the following:

Take one of the introductory Bible classes:

- BIBL 100 Bible Survey (4)
- BIBL 101 Literature of the Old Testament (3)
- BIBL 102 Literature of the New Testament (3)

Take RELI 300 Christian Foundations (3) (students who are members of the Friends Church may substitute RELI 260 History and Doctrine of Friends (3))

Communication (6 hours)

WRIT 110 College Writing (3) (may be waived by a verbal SAT score of 670 or above)

Choose one of the following:

- COMM 100 Introduction to Communication (3)
- THEA 100 Acting Fundamentals (3)
- THEA 220 Oral Interpretation of Literature (3)

Health and Human Performance (3 hours)
HHPA 120 Lifelong Fitness (2)

One additional hour of physical education activity is required to complete the university's general education requirement. This requirement may be satisfied in the ways

Human performance activity or adapted activity class (1).

Up to one hour may be waived upon successful completion of proficiency tests in selected areas. A current Red Cross Lifeguarding or Water Safety Instruction certificate will waive the written examination (the credit hour waived will be added to elective credits for the degree).

One hour toward the hour requirement may be earned on intercollegiate athletic teams. Only 1 hour in any one sport will count. Any professional class meets 1 hour of the requirement, by permission only (HHPE 221, 222, 223, 226, 228, 232). Military service may waive 1 hour (the credit hour waived will be added to elective credits for the degree).

Humanities (11 hours minimum)

Choose a minimum of four hours, taking four courses from the options listed below, including at least one course and no more than two courses from each of the following areas: fine arts, history, and literature

Fine Arts

If a student chooses to take two courses in fine arts to fulfill the humanities general education requirement, one must be art and one must be music.

ARTS 111 Drawing (3)
ARTS 216 Art History Survey to 1450 (3)
ARTS 217 Art History Survey from 1450 (3)
MUSI 100 Music Fundamentals (2)
MUSI 110 Understanding Music (2)
MUSI 120 The World of Music (2)
MUSI 210 Keyboard Literature (2)

History

HIST 110 Western Civilization to 1648 (3)
HIST 120 Western Civilization from 1648 (3)
HIST 151 United States to 1865 (3)
HIST 152 United States from 1865 (3)

Literature

LITR 100 Introduction to Literature (3)
LITR 220 Great American Writers (3)
LITR 236 Ancient World Literature (3)
LITR 237 World Literature, Medieval to Modern (3)
LITR 238 Contemporary World Literature (3)
LITR 240 Understanding Drama (3)
LITR 270 Great British Writers (3)
LITR 280 Literary Foundations of Women's Studies (3)
LITR 326 American Literature to 1865 (3)

LITR 327 American Literature, -1965 (3)
LITR 328 American Literature, -Present (3)
LITR 340 Poetry (3)
LITR 360 Values Through Story and Myth (3)
LITR 376 British Literature to 1660 (3)
LITR 377 British Literature, 1660-1800 (3)

PHYS 150 Physics of Everyday Life (3)
PHYS 190 Astronomy (3)
PHYS 201 General Physics I (4)
PHYS 202 General Physics II (4)
PHYS 211 General Physics with Calculus I (4)
PHYS 212 General Physics with Calculus II (4)

Social Science

ECON 201* Principles of Microeconomics (3)
ECON 202* Principles of Macroeconomics (3)
PSCI 150 Introduction to Political Science (3)
PSYC 150 General Psychology (3)
SOCL 150 Principles of Sociology (3)

*Students may select one, but not both, of these courses to fulfill general education requirements.

Global and Cultural Understanding (6 hours minimum)

Choose a minimum of 6 hours from the courses listed below. Students must take 3 hours from the Understanding section and 3 hours from either the Global Understanding or Cultural Understanding sections.

Cultural Understanding (Domestic)

GEED 355 Cross-Cultural Experience (Domestic) (3)
HIST 380 The African American Experience (3)
SOCL 380 Race, Ethnicity, and Class (3)

Global Understanding

COMM 410 Gender Communication Across Cultures (3)
ECON 360 Global Political Economy (3)
ESLA 240 Adjunct Listening (3)
ESLA 250 Adjunct Reading (3)
ESLA 260 Academic Writing (3)
ESLA 280 Speech (3)
FCSC 310 Food, Culture, and Society (3)
FREN 102 Introductory French II (4)
FREN 201 Intermediate French I (4)
FREN 202 Intermediate French II (4)
FREN 301 Intermediate/Advanced French I (4)
FREN 302 Intermediate/Advanced French II (4)
GEED 365 Cross-Cultural Experience (International) (3)
GEOG/INTL 200 Cultural Geography and Global Relationships (3)
HIST 250 Latin America (3)
HIST 340 History of the Middle East (3)

*LITR 236 Ancient World Literature (3)
 *LITR 237 World Literature, Medieval to Modern (3)
 *LITR 238 Contemporary World Literature (3)
 LITR 480 International Women's Voices (3)
 MUSI 130 Music in World Cultures (2)
 PSCI/INTL 230 Introduction to International Relations (3)
 PSCI/INTL 303 International Conflict and Peace (3)
 PSYC 353 Culture and Psychology (3)
 RELI/INTL 330 Introduction to the World Christian Movement (3)
 RELI 360 Cross-Cultural Christian Outreach (3)
 RELI/INTL 440 World Religions (3)
 SOCI/INTL 310 Cultural Anthropology (3)
 SPAN 102 Introductory Spanish II (4)
 SPAN 201 Intermediate Spanish I (4)
 SPAN 202 Intermediate Spanish II (4)
 SPAN 301 Intermediate/Advanced Spanish I (4)
 SPAN 302 Intermediate/Advanced Spanish II (4)

*The three LITR courses may count for the Humanities or for Global Understanding, but not for both.

Preprofessional Programs

Premedicine/Predental/Preveterinary Program

George Fox University is pleased with the excellent success students have had in gaining admission to medical, dental, and veterinary schools. Students who wish to pursue a career in medicine, dentistry, or veterinary medicine usually select a major in biology or chemistry. They may, however, choose any academic major the university offers as long as they take certain specific courses required by the professional schools. George Fox University offers all of the sciences courses required by the professional schools of the region. Even though specific requirements differ with each medical school, the requirements uniformly include the following:

BIOL 101 General Biology I
 BIOL 102 General Biology II
 CHEM 211 General Chemistry I
 CHEM 212 General Chemistry II
 CHEM 331 Organic Chemistry I
 CHEM 332 Organic Chemistry II
 PHYS 201 General Physics I
 PHYS 202 General Physics II

One year of mathematics, usually fulfilled by MATH 201 and 202, Calculus I and II.

Other highly recommended courses are as follows:

BIOL 310 Developmental Biology
 BIOL 322 Comparative Vertebrate Anatomy
 BIOL 330 Animal Physiology
 BIOL 350 Genetics
 BIOL 370 Microbiology
 BIOL 420 Cell Biology

CHEM 310 Analytical Chemistry
CHEM 341 Biochemistry
CHEM 401 Physical Chemistry I
CHEM 402 Physical Chemistry II

It is important to consult with your academic advisor early in setting up a plan for a strong program. Students should be aware that, in addition to meeting the minimal entrance requirements (SAT, good grade point average or above) and a strong performance on the national admission tests (MCAT, DAT, VAT, usually taken in the spring of the junior year) are essential. Also necessary for admission are letters of recommendation and an interview with the professional school's admission committee.

Our world needs Christian health professionals strong in character and maturity who have had broad educational and social experiences. George Fox University offers excellent opportunities to build these qualities through academic courses in areas such as ethics, psychology, computer science, literature, history, and foreign languages, and through varied social opportunities.

Prelaw Program

Students considering law school enjoy a wide range of options in the study, which can be worked out with their prelaw advisor. The best preparation for law school (and a legal career) emphasizes a broad liberal arts education as an undergraduate. Students need to prepare themselves to understand complex world problems from as many perspectives as possible. Therefore, prelaw students may choose from different majors, supplementing the major with electives and general education options that stress writing and oral communication skills, logical and critical thinking, close reading of difficult material, and deeper understanding of society and culture. Prelaw students are strongly encouraged to take PSCI 260 Introduction to Law, and to join in activities with other prelaw students.

The university's prelaw advisor, a graduate of a prestigious law school, will work with students to help design their courses of study, plan for entry into law school, and sponsor events to give students exposure to the law and the legal profession.

Course Numbering System

Courses are designed for levels of experience and difficulty, and the course numbering system reflects this. Courses numbered 000 to 099 are college courses and carry no credit toward degree requirements. Courses numbered 100 to 299 are division level and normally are open to freshmen and sophomores. Courses numbered 300 to 499 are division level and normally are open to juniors and seniors. Freshmen may not enroll in courses at the 300 and 400 level except by permission of the chairperson of the department in which the course is offered. A 300-level course may be open to sophomores. Exceptions may be made when prerequisites are met and general education requirements have been fulfilled on schedule. Courses at the 500 to 700 levels are graduate courses.

Course numbers ending in 5 (e.g., COMM 305) designate courses that may be pursued for several semesters under the same number, with all credits applicable, within stipulated limits.

Generally, course numbers ending in 1 and 2 (e.g., CHEM 311 and 312) are courses offered sequentially through the year. Generally, a continuing course may not be entered in the second semester without completing the previous semester or obtaining the permission of the instructor.

Course numbers ending in 75 designate teaching or field education courses for which application is necessary through the registrar. See Field Education.

Courses designated 285 and 485 are special classes that may be offered in any department to reflect time offerings of visiting professors or group seminars.

Courses designated 295 and 495 are individualized special study programs not a part of the regular curriculum. Application forms are available from the registrar and, when completed, become a learning contract between the student and the instructor. A student may not be enrolled in more (h)20(e)-11()-2(e)

transcript to receive consideration. Credits awarded as a result of documentation will be accepted as transfer credit.

Proficiency Test A student may fulfill general education and some program requirements or become eligible for registration in advanced courses by passing a proficiency test for the area involved. No fee charged for proficiency testing, and credit is not granted. Typical academic areas for which proficiency tests are available are lang3vast mademmmm derahy(d)40(e)-11(m)Tw0l iency Test

Support Programs

On-Campus Academic Programs

Academic Success Program

A limited number of carefully selected students who do not meet regular admission standards are welcomed to the George Fox University Academic Success Program (ASP) each fall. Admitted provisionally to the university, ASP students attend an afternoon orientation before classes start. Under the individualized guidance of the ASP director and faculty advisors, they register for fall courses. Tutorial assistance and other aids are available, as needed. Total hours are limited to 14 for fall semester.

Academic Symposia

Each year George Fox University hosts numerous academic symposia as well as faculty lectures, some which offer academic or chapel credit to students. On the Newberg campus, the biennial Herbert Hoover Symposium features leading authorities on the life and career of Hoover. Hoover spent part of his youth in Newberg, attending Friends Pacific Academy, the predecessor school to George Fox University. There is an annual Woolman Forum and Spring Theological Conference. Christian Life Week, Missions Week, Cultural Celebration Week, and Quaker Heritage Week all provide an opportunity to hear guest speakers lecture on related topics. At the Portland Center, the George Fox Evangelical Seminary offers lecture series on various dates throughout the academic year.

Center for Peace and Justice

This program is the successor to the Center for Peace Learning, established in 1984. Housed in the same location as the Center for Global Studies (described below), it has some of the same goals of enhancing students' understanding about global reconciliation.

The Center for Peace Learning was in part inspired by a concern raised by then U.S. Senator Mark Hatfield that George Fox become more actively involved in issues of peacemaking and reconciliation. These issues had become a substantial part of Senator Hatfield's work in the Senate. Among other achievements he had much to do with the establishment and funding of the U.S. Institute of Peace. After retiring, Senator Hatfield joined the George Fox faculty and teaches courses in political science and history.

The director of the Center for Peace and Justice coordinates such efforts as:

- ¥ The minor in peace studies
- ¥ The certificate program in conflict management
- ¥ The John Woolman Forum, at which the annual Woolman Peacemaking Award is presented
- ¥ Information to students about graduate work in peace studies and careers in peacemaking and reconciliation
- ¥ Informational events dealing with peace and justice

Center for Global Studies

Friends Center

In conjunction with George Fox University, Northwest Yearly Meeting of Friends has established a Friends Center serving the leadership preparation needs of Friends in the Northwest and beyond. The mission of the center is to recruit, promote, and coordinate the leadership preparation ventures of Friends at George Fox University as a means of fulfilling the central mission of the university and Northwest Yearly Meeting in fostering Christ-centered faith and practice. The activities of the center are administered by a director, who reports to a board of directors, consisting of Northwest Yearly Meeting and large members. While the work of the Friends Center will be especially concerned with the seminary and the undergraduate programs, its contribution should be seen as extending to other programs as well. The Friends Center, therefore, is intended to assist George Fox University in accomplishing its Christian and Quaker mission in any ways that would be serviceable.

Richter Scholar Program

This program provides financial assistance to both graduate and undergraduate students to facilitate research in their fields. The program is funded by annual grants from the Paul K Richter and Evalyn E. Richter Memorial Funds. Although the funding is available for research work at any time during the year, the typical undergraduate provides a stipend for full-time research work in the summer, along with supplies and travel. For more information, see the guidelines on the George Fox website.

University Scholars Program

Selected students go beyond the normal challenges and opportunities of undergraduate life in the new University Scholars honors program. Freshmen selected for entry at admission take a special one Honors Colloquium after their First Year Seminar when they experience the creative interdisciplinary exploration of interesting topics that marks the entire University Scholars experience. Those who exceed the Freshman Colloquium, plus others admitted to the program at the end of their freshman year, two-semester Honors Seminar as sophomores.

Students who perform with excellence in the Honors Seminar may continue in the program during their junior and senior years. Juniors complete two special University Scholars projects connected to upper division classes of their choice, unique opportunities to graduate-level scholarship to their undergraduate experience.

Senior University Scholars undertake a challenge that involves scholarship with service. These students may help to produce an undergraduate academic journal, either as the editorial staff, or as senior editors mentoring juniors in their University Scholars projects. Others, working in teams, conduct Public Interest Academic Service projects to help groups in the community find solutions to problems they face. Students who complete all the elements of the University Scholars program get special recognition on transcripts and diplomas, and at graduation. Credits they receive as University Scholars can be used to substitute for some regular general education requirements.

OICA CrossRegistration

A fulltime student may take one course a semester at an additional institution (if total credits do not exceed 18 semester hours) at one of the neighboring institutions in the Oregon Independent Colleges Association (OICA). Only courses not available on the home campus may be registered. Crossregistration is permitted by application through the George Fox University registrar.

ROTC Program

Through a cooperative agreement with the University of Portland, George Fox University students may participate in the Air Force Reserve Officers Training Corps (AFROTC) Program at the University of Portland campus. For more information, see the University of Portland catalog or contact the professor of aerospace studies, University of Portland, Portland, OR 97203, 503-281-6503

Consortium Visitor Program

The Christian College Consortium Exchange sponsors a student visitors program intended as an enrichment to those disciplines where personnel and courses may be somewhat limited. Normally, this one experience should be part of the junior year or the first semester of year. Application forms and a descriptive brochure are available from the registrar.

The other 12 members of the Christian College Consortium are Asbury College, Wilmore, KY; Bethel College, St. Paul, MN; Gordon College, Wenham, MA; Graceland College, Greenville, IL; Houghton College, Houghton, NY; Malone College, Canton, OH; Messiah College, Grantham, PA; Seattle Pacific University, Seattle, WA; Taylor University, Upland, IN; Trinity College, Deerfield, IL; Westmont College, Santa Barbara, CA; Wheaton College, Wheaton, IL.

Although spending a semester at another Christian institution can be very beneficial, there are budget limits on the number of students that can be approved for off-campus programs. Students should not assume they will automatically be approved for the Consortium Visitor Program and may want to consider applying for one of the other programs as well.

The program permits a student in good standing to enroll for one semester at one of the other consortium colleges. Qualifying students must have at least a 3.0 grade point average, have completed prior to application one or more semesters free of academic or citizenship probation, and have been approved by the selection committee.

Selection to the above program will be based on the academic purposes involved, grade point average, citizenship, classification, and the extent to which the student has or has not had diverse educational experiences.

Semesters Off Campus

Introduction

Students enrolled at George Fox University may enrich their learning experience and in some cases fulfill important requirements for their major or minor by participating in one of the approved programs listed below. For those approved to participate, the cost is similar to staying on campus. Complete information

about the programs and the application processes is available in the Center for Global Studies and on George Fox University's website

Eligibility

- ✘ Student must have sophomore standing, including 31 semester hours completed, at the time of application for a semester off campus. Exceptions may be made if necessary for completion of student's major requirements.
- ✘ Student must be enrolled at GFU in a full academic year prior to participation in a semester off campus. Exceptions may be made if necessary for completion of a student's major requirement.
- ✘ Student must be in good standing with Student Life.
- ✘ Student must be current with student financial obligations.
- ✘ Student must have a minimum cumulative GPA of 3.00 to apply for a semester off campus. Exceptions will be granted to students in good academic standing if a semester off campus is required for completion of the student's major or minor requirements. Students applying to the Scholars' Semester in Oxford must have a minimum cumulative GPA of 3.5.
- ✘ GPA will be one of the factors considered by the committee that selects GFU students to participate in the Semesters Off Campus programs.

Application Process

- ¥ **American Studies Program** Located in Washington, D.C., with a focus on public policy and featuring an internship in a public or private agency.
- ¥ **Australia Studies Centre** Located at Wesley Institute in Sydney; students take a seminar in Australian history, culture, and society. They may choose other courses in theology, music, dance, drama, and design.
- ¥ **China Studies Program** Located at Xiamen, on the southern coast of China, the program features Chinese language, Chinese history, and intercultural communications. Students travel to various parts of China as well.
- ¥ **Contemporary Music Center-** Located at Martha's Vineyard, Massachusetts, the program is designed to help Christians find their place in the creation, marketing, and consumption of contemporary music.
- ¥ **Costa Rica: Veritas Studies Program** Veritas Studies Program is located at Veritas University in San José, Costa Rica. This is a language program within a larger Costa Rican University. Students have the opportunity to develop advanced Spanish language skills, as well as study other cultural and social issues as they pertain to the Costa Rican context. In addition to Spanish language classes, students can take one humanities elective and also complete a service learning project. Home stays are part of the program.
- ¥ **France Program-** Located in Dijon, France, and operated by Grace College, the program is designed for students minoring in French. Students take courses at the Centre International d'Etudes Française de l'Université de Bourgogne.
- ¥ **Latin American Studies Program** Located in San Jose, Costa Rica, the program deals with Latin American culture, history, politics, and economics. There are specialized tracks in language, business, and science.
- ¥ **Los Angeles Film Studies Center** Located in Hollywood, with a focus on cinema and featuring an internship in the film industry.
- ¥ **Mexico Program-** Located in Cuernavaca, at the Centro de Lengua y Communication Social, the program is for Spanish majors and minors.
- ¥ **Middle East Studies Program** Located in Cairo, Egypt; students study Middle Eastern cultures, religions, and conflicts. There are travel opportunities to other countries in the region.
- ¥ **Russian Studies Program** Located in Moscow, St. Petersburg, and Nizhni Novgorod, the program features Russian language, history, and culture.
- ¥ **Scholars' Semester in Oxford** Students participate in a course in British and cultures, an integrative seminar, and participate in tutorials. Students have access to the Oxford libraries and academic programs.
- ¥ **Semester in Spain** Located in Seville, the program is operated by Trinity Christian College and is designed especially for Spanish majors. Students live in homes while studying language and culture.

- ¥ South African Studies Program Located at Cornerstone Christian College in Cape Town, the program emphasizes racial and cultural reconciliation.
- ¥ South American Studies Program - Located in Santa Cruz, Bolivia, and directly sponsored by George Fox University. Courses cover the religions of South America, the history of Latin America, and the cultures and customs of South America. Classes are held at Universidad Evangelical Boana, an interdenominational university founded by World Gospel Mission.
- ¥ Uganda Studies Program Located at Uganda Christian College in Kampala, the program features African religions, history, culture, and literature.

Juniors Abroad

In order to enrich the intercultural and international awareness of our campus community, George Fox University offers a transportation-subsidized overseas course of approximately three weeks to any junior student who has fulfilled the following requirements. These tours occur during the annual May Term. Detailed information about eligibility and specific study tours is available from the director of Juniors Abroad.

Objectives

The student who successfully participates in Juniors Abroad will:

- ¥ Experience cross-cultural learning opportunities in cultures distinctly different from their own;
- ¥ Interact with the host culture through informal and formal contacts;
- ¥ Experience what it means to be a cultural "minority";
- ¥ Understand how to participate responsibly in a diverse global community;
- ¥ Learn, through the study of disciplines such as the fine arts, language, science, architecture, or history, how various social institutions affect the host culture.

Policies

- ¥ Students must have maintained three consecutive years of full-time enrollment. Transfer students may receive partial support for transportation expenses; requests for such support should be made to the director of Juniors Abroad.
- ¥ Students must register for either GEED 355 Cross-Cultural Experiences or GEED 365 Cross-Cultural Experiences International.
- ¥ Students will include tuition costs of this course as part of their block tuition for the spring semester preceding the May tour, and will be billed for whatever credits are earned in the 18 credits.
- ¥ Students will pay room and board expenses, in advance for each tour, to be economically arranged by the university. For the typical Juniors Abroad study tour, the university will pay the

At the highest level, students enroll for credit in one regular academic course together with ELI courses that are designed to help develop the language and academic skills necessary for success. In order to successfully complete the ELI and attend George Fox University as a traditional undergraduate, students must fulfill the following: write at level 4 or higher on the ELI writing test; successfully complete the advanced level of the ELI with a grade of at least C in every class of at least C (no less than 70 percent) in the designated regular academic course; receive the recommendation of ELI faculty based on English language skills and academic performance. After completing the ELI, international students enroll for at least 12 credits in non-ELI courses at George Fox and pay regular tuition. During their first semester they are also required to take ESLA 295 Writing Tutorial (1) to support their transition.

Students receive academic credit for their ELI course work up to 16 credits for level 1-4 courses and up to 15 credits for level 5 courses. ELI credit counts as elective credit toward a bachelor's degree.

Academic Departments

Biology Majors and Minors

The following majors and minors are offered by the Department of Biology at George Fox University.

Majors

- ¥ Allied Health (offered in conjunction with the Department of Health and Human Performance)
- ¥ Biology

Minors

- ¥ Biology

More information about programs and faculty of the Department of Biology can be found

Majors

- ¥ Elementary Education
- ¥ Music Education (offered in conjunction with the performing arts department)

The Teaching English to Speakers of Other Languages (TESOL) Minor (offered by the communication arts department) is also available. More information about the programs and faculty of undergraduate education department can be found [here](#)

Engineering Majors and Minors

Majors

- ¥ Applied Science
- ¥ Engineering

More information about programs and faculty of the engineering department can be found [here](#)

Family and Consumer Sciences Majors and Minors

Majors

- ¥ Family and Consumer Sciences

Minors

- ¥ Family and Consumer Sciences
- ¥ Fashion Merchandising/Interior Design
- ¥ Foods and Nutrition

More information about programs and faculty of the family and consumer sciences department can be found [here](#)

Health and Human Performance Majors and Minors

Majors

- ¥ Allied Health (offered in conjunction with the biology department)
- ¥ Health and Human Performance
- ¥ Health and Human Performance: Interdisciplinary

Minors

- ¥ Coaching
- ¥ Health
- ¥ Health Teaching
- ¥ Recreation

Bachelor of Science in Athletic Training (BSAT)

More information about programs and faculty at the health and human performance department can be found [here](#)

History Majors and Minors

Majors

- ¥ History

Minors

- ¥ History

More information about programs and faculty at the history department can be found [here](#)

International Studies Majors and Minors

The following majors and minors are offered by the International Studies Department at George Fox University.

Majors

- ¥ International Studies

Minors

- ¥ International Studies

Mathematics Majors and Minors

Majors

- ¥ Mathematics

Minors

- ¥ Mathematics

More information about programs and faculty of the math department [can](#) be found

Nursing Majors and Minors

The profession of nursing and nursing education is in a state of continual development. As the professions of health care have advanced, the ~~needs for~~ ~~professionals~~ who are committed to a high level of intellectual inquiry is constantly increasing.

Nursing Admissions and Progression Criteria

To be considered for admission into the nursing major, the following criteria **MUST** be met:

1. Cumulative GPA of 2.8. ~~Cumulative~~ grade point average should include all transfer courses.
2. Satisfactory scores on Test of Essential Academic Skills (TEAS).
3. A two-page statement addressing each of the following:
 - a. Factors that drew you to nursing
 - b. Your conception of the role(s) of the ~~professional~~ ~~nurse~~
 - c. Your goals as a professional nurse
 - d. A description of any ~~cultural~~ ~~experiences~~
 - e. A description of any volunteer and/or work experiences
 - f. Any educational, social, and personal barriers you have overcome
 - g. How faith, values, beliefs have ~~shaped~~ ~~and will~~ impact your life and professional career
4. Two letters of reference. At least one must be from an individual not associated with George Fox University.
5. Health Certification Requirements. Students applying to the nursing program must complete and submit the following information along with completed application to the nursing major. If not completed, your application will not be considered for admission into the nursing major:
 - a. Proof of current immunizations for polio, diphtheria, tetanus, ~~scarlet fever, and the MMR~~, is B vaccination.
 - b. Titer for varicella (chicken pox) is required only if you do not know if and when you have had chicken pox. If you have had chicken pox, include year of disease on health record.
 - c. Negative Mantoux or PPD (TB) test ~~needed~~ ~~through~~ the school year. (Students must provide a copy of an updated test for their files each year.) If the student has had a positive Mantoux or PPD, he/she will need documentation of a ~~negative~~ ~~test~~ X submitted with the application ~~and if~~ X-ray is positive, the student needs to see his/her

health care provider. Admission to the nursing program may occur only after the department receives verification of a negative sputum culture.

- d. Current CPR certification (American Heart Association (recommended) or Red Cross). All students are required to provide proof of current CPR certification with application.

Nursing Program Continuation

Continuation in the nursing program is dependent on satisfactory academic performance and the demonstration of the character and ethics needed for success in the profession. Students must:

1. Maintain a cumulative GPA of 2.8 or higher
2. Attain grades of C or better in all professional coursework
3. Achieve satisfactory evaluations of performance in clinical experiences

Nursing students are subject to the policies contained in the *Nursing Policies and Procedures Handbook*

Majors

- ✧ Nursing

More information about programs and faculty of the nursing department [here](#) can be found

Performing Arts Majors and Minors

Majors

- ✧ Music
- ✧ Music: Interdisciplinary
- ✧ Music Education (offered in conjunction with the education department)
- ✧ Theatre
- ✧ Theatre: Interdisciplinary

Minors

- ✧ Church Music
- ✧ Music
- ✧ MusicTheatre
- ✧ Theatre

More information about programs and faculty of the performing arts department [here](#) can be found

Political Science Majors and Minors

Majors

- ¥ Political Science

Minors

- ¥ Peace Studies
- ¥ Political Science

In addition to the major and minors listed above, the political science department also administers the program leading to ~~Certificate~~ Certificate in Conflict Management

More information about programs and faculty in the political science department can be found [here](#)

¥ Religion: Interdisciplinary

Minors

¥ Biblical Studies

¥ Camping: Administrative

¥ Camping: Programming

¥ Christian Ministries: Church Recreation

¥ Christia

Bachelor of Social Work (BSW)

More information about programs and faculty of the sociology/social work department [here](#) can be found

Visual Art Majors and Minors

Majors

¥ Art

¥ Art: Interdisciplinary

Minors

¥ Art

More information about programs and faculty of the visual arts department [here](#) can be found

Writing/Literature Majors and Minors

Majors

¥ Writing/Literature

Minors

¥ Writing

¥ Literature

More information about programs and faculty of the writing/literature department [here](#) can be found

Degree Programs and Certificates

Bachelor of Science in Athletic Training (BSAT)

The Athletic Training Education Program (ATEP) is accredited by the Commission on Accreditation for Athletic Training Education (CAATE). The athletic training major offers a 43 credit hour course of study that is designed to prepare students for work in professional and collegiate sports, secondary & schools, sports medicine clinics, hospital ER and rehab clinics, occupational settings, fitness centers, physicians' offices. Certified athletic trainers are medical professionals who are experts in injury prevention, assessment, treatment and rehabilitation, particularly in the orthopedic and musculoskeletal disciplines. Students who are accepted into the ATEP and complete all requirements will be prepared to sit for the athletic training Board of Certification exam. Students are required to obtain a minimum grade of C

based upon satisfactory completion of the following requirements:

and needs of all people. Generalist practice is oriented toward analyzing and addressing problems with micro, mezzo, and macro skills and perspectives.

The program courses are designed to include social work and field experience/practicum requirements within a liberal arts context. This enables the student to link social research with social practice. The program prepares students to work in a variety of social work and social welfare settings as well as to seek admission into graduate programs. Students are required to obtain a minimum grade of C in all courses taken for the major.

Admission to Social Work Degree (BSW)

Students interested in pursuing a degree in social work should consult with a social work advisor as soon as possible. All students interested in social work as a degree must make formal application to the program. Each applicant shall:

- ¥ Live in compliance with the university expectations and responsibilities (as found in the *Student Handbook*).
- ¥ Have an overall GPA of at least 2.0 prior to filing an application to the program.
- ¥ Complete the following entry courses with a GPA of at least 2.70 and a minimum of a C grade in each: PSYC 150 General Psychology (3) SOCI 150 Principles of Sociology (3) SWRK 180 Introduction to Social Welfare (3)
- ¥ Complete the program application process (which includes completion of a written application, recommendations, and interview) on or before Jan. 30 of the student's sophomore year. Transfer students should see a social work advisor prior to registration.
- ¥ Receive written acceptance into the program from the program admission committee.
- ¥ File a Declaration of Major form with the university's registrar's office.

Special General Education Requirements

BIOL 100 Foundations of Biology (3)
PSYC 150 General Psychology (3)
SOCI 150 Principles of Sociology (3)

Recommended General Education Courses

ECON 202 Principles of Macroeconomics (3)
SOCI 310 Cultural Anthropology (3)

Major Requirements

SWRK 180 Introduction to Social Welfare (3)
SWRK 200 Diversity Issues in Social Work (3)
SWRK 331 Human Behavior in the Social Environment I (3)
SWRK 332 Human Behavior in the Social Environment II (3)
SWRK 340 Statistical Procedures (3)
SWRK 380 Social Work Research Methods (3)
SWRK 391 Social Work Practicum I (3)
SWRK 392 Social Work Practice II (3)

Students must choose one of the following courses:

BUSN 480 Organizational Behavior (4)

SOCI 300 Group Dynamics (3)

CHMN/PSYC 381 Counseling (3)

Students must choose 3 semester hours of field experience in a conflict resolution or mediation program or agency tailored to the individual student's needs (taken after PSCI 410 or its equivalent)

These credits may be applied also toward general education, major, or minor requirements. Successful students will receive a certificate of completion upon graduation.

Majors

Accounting Major (BA)

This major offers a 52-semester-hour course of study, enabling students to acquire the necessary technical and professional skills for successful careers in public, managerial, or governmental accounting. Like other majors in the Department of Business and Economics, it requires completion of business core and COMM 100 Introduction to Communication as well as specialized courses. Students are required to obtain a minimum grade of C in all courses taken for the major.

Special General Education Requirements

COMM 100 Introduction to Communication (3)

Students must choose a MATH course, not a CSIS course, for the general education mathematics requirement

Major Requirements

Business Core (30 hours)

ACCT 271 Principles of Financial Accounting (3)
ACCT 272 Principles of Managerial Accounting (3)
BUSN 110 Introduction to Business (3)
BUSN 240 Statistics for Business and Economics (3)
BUSN 300 Management (3)
BUSN 310 Financial Management (3)
BUSN 40 Marketing (3)
BUSN 360 Business Law (3)
ECON 201 Principles of Microeconomics (3)
ECON 202 Principles of Macroeconomics (3)

Accounting Core (22 hours)

ACCT 350 Taxation (4)
ACCT 370 Accounting Information Systems (2)
ACCT 371 Financial Accounting and Reporting (4)
ACCT 372 Financial Accounting and Reporting II (4)
ACCT 471 Advanced Accounting (4)
ACCT 472 Auditing (4)

Electives

Students are encouraged to consider the following electives to enhance their major:

ACCT 405 Volunteer Tax Assistant (1) (encouraged)
ACCT 475 Field Experience (1)

ECON 340 Public Economics (3)

BIOL 370 Microbiology (4)
 BIOL 420 Cell Biology (4)
 CHEM 331 Organic Chemistry I (4)
 CHEM 332 Organic Chemistry II (4)
 CHEM 341 Biochemistry I (4)
 CHEM 342 Biochemistry II (4)
 HHPE 390 Care and Prevention of Athletic Injuries (3)
 HHPE 400 Recognition of Athletic Injuries (3)
 HHPE 430 Exercise Physiology (3)
 HHPE 470 Motor Development and Skill Learning (3)
 MATH 201 Calculus I (4)
 PSYC 310 Lifespan Human Development (3)

Applied Science Major (BS)

This major offers a 58-semester-hour course of study, enabling students to pursue engineering in a discipline other than those currently offered at George Fox University. This program is offered for students interested in pursuing engineering in a discipline such as chemical, * civil, environmental, or aerospace engineering. Students attend George Fox for three years, taking most of their general education mathematics, science, and lower-division engineering courses. They may then qualify to transfer to any other engineering school where they spend two more years completing their engineering degree. Students completing this five-year program will receive two bachelor of science degrees: a degree in applied science from George Fox University after their fourth year, and a degree in engineering from the cooperating engineering school after their fifth year.

Special General Education Requirements

The chemistry and mathematics courses (listed below) also fulfill up to 9 hours of the sciences requirement for general education.

Major Requirements (58 hours)

CHEM 211 General Chemistry I (4)
 CHEM 212 General Chemistry II (4)
 ENGE 250 Electric Circuit Analysis (4)
 ENGM 210 Statics and Dynamics (4)
 ENGM 311 Engineering Thermodynamics (3)
 ENGR 151 Engineering Principles I (2)
 ENGR 152 Engineering Principles II (2)
 ENGR 250 Principles of Materials Science (3)
 MATH 201 Calculus I (4)
 MATH 202 Calculus II (4)
 MATH 301 Calculus III (3)
 MATH 310 Differential Equations with Linear Algebra (4)
 PHYS 211 General Physics with Calculus I (4)
 PHYS 212 General Physics with Calculus II (4)

Students must choose at least 3 semester hours from the following:

ENGE 220 Digital Logic Design (4)
 ENGE 311 Electronic Devices and Circuits (4)

ENGE 330 Electrical Signals and Networks (4)
ENGM 312 Applications of Engineering Thermodynamics (3)
ENGM 320 Mechanics of Materials (3)
ENGM 330 Fluid Mechanics (3)

Students must choose 6 semester hours from the following:

MATH 300 Numerical Methods (3)
MATH 320 Linear Algebra (3)
MATH 331 Probability (3)

Students must transfer 12 additional semester hours in engineering courses from the cooperating engineering school.

The remainder of the engineering curriculum will be taken in two years at the cooperating engineering school. For a complete list of required courses, consult the engineering advisor or the registrar. General education requirements are substantially different for 3/2 engineering students available from the engineering advisor or the registrar.

*It is strongly recommended that students interested in pursuing the 3/2 option in chemical engineering also enroll in CHEM 331 Organic Chemistry (4), CHEM 332 Organic Chemistry (4), CHEM 401 Chemistry (4), and CHEM 402 Physical Chemistry (4) during their three years at George Fox University.

Art Major (BA)

The art major offers a 15-semester-hour course of study. Students are required to obtain a minimum grade of C on all courses taken for the major.

Major Requirements

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ARTS 340 Intermediate Mixed Media (3)
 ARTS 341 Intermediate Ceramics (3)
 ARTS 350 Graphic Design 2: Typography (3)
 ARTS 401 Advanced Painting (3)
 ARTS 421 Advanced Sculpture (3)
 ARTS 430 Advanced Photography (3)
 ARTS 431 Advanced Printmaking (3)
 ARTS 440 Advanced Mixed Media (3)
 ARTS 441 Advanced Ceramics (3)
 ARTS 495 Special Study (1)
 PHIL 270 Philosophy of the Arts (3)
 THEA 125/325C Theatre Laboratory (1)

Students must also choose one of the following options:

1. Submit artworks for juried GFU Art Student Exhibition
2. Present a portfolio for review and petition for an alternative exhibition venue.

Art: Interdisciplinary Major

An interdisciplinary major may be elected through application and approval of the art faculty. The student must show how the proposed major meets reasonable academic and vocational objectives. The interdisciplinary major consists of 48 semester hours, with a minimum of 24 semester hours in art. Creative options include art and communications, art and theatre, and art and business.

Major Requirements

ARTS 101 Basic Design I (3)
 ARTS 111 Drawing I (3)

Students must choose one of the following courses:

ARTS 216 Art History Survey to 1450 (3)
 ARTS 217 Art History Survey from 1450 (3)

Students must also choose one of the following options:

1. Submit artworks for juried GFU Art Student Exhibition
2. Present a portfolio for review and petition for an alternative exhibition venue

Biblical Studies Major (BA)

The biblical studies major offers a 39-semester-hour course of study that is designed to provide a good foundation for some church ministries, work with youth and parachurch organizations, teaching Bible in Christian school settings, and for further graduate work in the Bible. The student who majors in Bible will acquire a depth working knowledge of Scripture, its backgrounds, and methods of interpretation. Students are required to obtain a minimum grade of C- for all courses taken for the major.

Major Requirements

Biblical Studies (12 hours)

Students must choose 12 semester hours of biblical studies (BIBL) coursework

Christian Ministries (3 hours)

Students must choose one of the following courses:

CHMN 360 Perspectives in Christian Education (3)

CHMN 390 Theological Foundations of Christian Ministry (3)

Religion (6 hours)

RELI 380 Christian Beliefs (3)

Students must choose 3 additional semester hours of religious studies (RELI) coursework

Philosophy (3 hours)

Students must choose 3 semester hours of philosophy coursework

Biology Major (BS)

This major offers a 54-semester-hour course of study, enabling students to pursue a variety of careers that include research, the health professions, teaching, and fields that require critical thinking skills. Students are required to obtain a minimum grade of C in all courses taken for the major.

Special General Education Requirements

The chemistry and mathematics courses (listed below) also fulfill up to 12 hours of the sciences requirement for general education. A minimum grade of C must be obtained in all biology and chemistry courses for graduation.

Major Requirements

Requirements for the biology major consist of 10 semester hours in core biology courses, and 20 hours in chemistry and mathematics, and 24 hours in biology courses based on a selected concentration to include the following courses:

Biology (10 hours)

BIOL 211 General Biology (4)

BIOL 212 General Biology II (4)

BIOL 490 Biological Exploration (2)

Chemistry (16 hours)

CHEM 211 General Chemistry I (4)

CHEM 212 General Chemistry II (4)

CHEM 331 Organic Chemistry I (4)

CHEM 332 Organic Chemistry II (4)

Mathematics (4 hours)

BIOL 330 Advanced Physiology (4)
BIOL 430 Histology (4)

Students must take 2 of the following courses:
CHMN 390 Theological Foundations of Christian Ministry (3)
CHMN 360 Perspectives in Christian Education (3)
CHMN 420 Speaking as Ministry (3)

Students must choose 6 semester hours in biblical studies (BIBL) coursework

Students must choose 3 semester hours in philosophy (PHIL) coursework

Concentrations (1617 hours)

Church Recreation
CHMN 320 Relational Bible Teaching (2)
CHMN 370 Camp Programming and Counseling (3)
CHMN 440 Camp Administration (2)
CHMN 475 Field Experience (2)
HHPE 380 Experiential Recreational Leadership (3)
HHPA 120 Lifelong Fitness (2)

CMCO 243 Introduction to Audio (3)
CMCO 250 Digital Multimedia Production (3)
CMCO 260 Scriptwriting for Media (3)
CMCO 350 Editing Video (3)
CMCO 475 Field Experience (2)
CMCO 490 Senior Portfolio (1)

Concentrations (18 hours)

Students must choose one of the following concentrations:

Audio Production

Students in the audio production concentration focus on audio techniques for music recording and mixing; sound design for film, video, and new media; and production for radio.

Required (6 hours):

CMCO 343 Sound Design (3)
CMCO 344 Studio Sound Recording (3)

Electives (12 hours):

CMCO 233 Contemporary Christian Songwriting and Producing (3)
CMCO 481 Advanced Production Workshop I (3)
CMCO 482 Advanced Production Workshop II (3)
MUSI 110 Understanding Jazz (2)
MUSI 180 Introduction to Music Technology (2)
THEA 330 Stage Lighting and Sound (3)

-- OR--

Up to 16 semester hours of error 1

Electives (3 hours):

- CMCO 220 International Film Studies (3)
- CMCO 310 Intermediate Directing (3)
- CMCO 343 Sound Design (3)
- CMCO 355 Event Video Production (3)
- CMCO 360 Animation I (3)
- CMCO 363 Motion Graphics and Special Effects (3)

-- OR--

Up to 15 semester hours of course work at the Los Angeles Film Studies Center

Students may also receive credit for classes offered at the Northwest Film Center (NWFC), allowing them to work more extensively in the film medium. Since NWFC offerings are subject to change, students should check to see if NWFC classes in which they are interested may be counted toward the degree

Journalism

The journalism concentration encompasses writing, editing, and producing material for print, radio, television, and Internet news media, as well as opportunities for documentary video production.

Required (12 hours):

- CMCO 270 Broadcast News I (3)
- CMCO 370 Broadcast News II (3)
- CMCO 470 Journalism II (3)
- WRIT 230 Introduction to Journalism (3)

Electives (6 hours):

- CMCO 333 Camera and Lighting (3)
- CMCO 355 Event Video Production (3)
- CMCO 430 Producing and Directing Video (3)
- CMCO 475 Field Experience (2)
- CMCO 481 Advanced Production Workshop I (3)
- CMCO 482 Advanced Production Workshop II (3)
- CMCO 495 Special Studies (1)

--OR--

Up to 15 semester hours of credit of course work at the Summer Institute for Washington, D.C.

Multimedia/Animation

Students in the multimedia/animation concentration study techniques for designing Internet websites, producing 2D and 3D animation, and special effects using a combination of creativity, aesthetics, and computer software.

Required (6 hours):

- CMCO 360 Animation I (3)

CMCO 363 Motion Graphics and Special Effects (3)

Electives (12 hours):

ARTS 230 Beginning Photography (3)
ARTS 330 Intermediate Photography (3)
ARTS 350 Graphic Design 2: Typography (3)
ARTS 450 Graphic Design 3: Design Applications (3)
CMCO 333 Camera and Lighting (3)
CMCO 355 Event Video Production (3)
CMCO 460 Advanced Animation (3)
CMCO 475 Field Experience (2)
CMCO 481 Advanced Production Workshop I (3)
CMCO 482 Advanced Production Workshop II (3)
CSIS 314 Client Server Systems (3)
CSIS 330 Computer Graphics (3)

-- OR--

Up to 15 semester hours from the Australia Studies Center or the ORU Media Technology Summer Institute.

Production

Students in the production concentration learn all the basics of production from scriptwriting to postproduction. In addition, students have the opportunity to concentrate on their favorite aspects of production, including directing, cinematography, editing, and sound.

Required (6 hours):

CMCO 333 Camera and Lighting (3)
CMCO 481 Advanced Production Workshop I (3)

Electives (12 hours):

CMCO 310 Intermediate Directing (3)
CMCO 320 Dramatic Scriptwriting (3)
CMCO 343 Sound Design (3)
CMCO 355 Event Video Production (3)
CMCO 360 Animation I (3)
CMCO 363 Motion Graphics and Special Effects (3)
CMCO 430 Producing and Directing Video (3)
CMCO 475 Field Experience (2)
CMCO 482 Advanced Production Workshop II (3)
CMCO 495 Special Studies (1)

Cognitive Science Major (BS)

This major offers a 42-semester-hour course of study. The major is an interdisciplinary study of the mind that draws on several disciplines to provide a broad foundation from which to understand and study mental processes. Students are provided flexibility within the major to explore the major in the most

interests them (e.g., psychological, physiological, philosophical, computational). Students are required to obtain a minimum grade of C in all courses taken for the major.

Special General Education Requirements

BIOL 331 Human Anatomy and Physiology I (4)
PHIL 210 Introduction to Philosophy (3)
PSYC 150 General Psychology (3)
SOC 310 Cultural Anthropology (3)

Students must choose one of the following courses:

MATH 201 Calculus I (4)
MATH 260 Discrete Mathematics (3)

Major Requirements (43 hours)

PSYC 320 Neuroscience (3)
PSYC 450 History and Systems of Psychology (3)
PSYC 490 Senior Seminar (1)

Methods Courses (15 hours)

CSIS 201 Introduction to Computer Science I (3)
CSIS 202 Introduction to Computer Science II (3)
PSYC 340 Statistical Procedures (3)
PSYC 391 Research Methods (3)
PSYC 392 Advanced Research Methods (3)

Survey Courses (21 hours)

Students must choose 7 of the following courses:

COMM 340 General and Cultural Linguistics (3)
CSIS 440 Artificial Intelligence (3)
LITR 360 Values Through Story and Myth (3)
MATH 290 Mathematical Logic (3)
PHIL 340 Logic (3)
PSYC 350 S.08 Td [(PH.583 -1.08 Td (i)-21(e)-1.08 Td (i)1.08 TdS3(LI)9(T)-2bs)-20()-25(())-20(3)40(

Major Requirements

Performance Core (12 hours)

- COMM 200 Persuasive Communication (3)
- COMM 210 Interpersonal Communication (3)
- COMM 324 Argumentation and Critical Thinking (3)

Students must choose one of the following courses:

- WRIT 230 Introduction to Journalism (3)
- WRIT 310 Professional Writing and Desktop Publishing (3)

Theory Core (9 hours)

- COMM 300 Communication Theory and Research (3)
- COMM 400 Critical Approaches to Communication (3)
- COMM 480 Senior Capstone: Ethical and Spiritual Dimensions of Communication (3)

Practicum (3 hours)

Students must choose 3 semester hours from the following courses:

- COMM 305 Professional Communication Activities (1)

Major Requirements

Computer Science Concentration

CSS 440 Artificial Intelligence (AI) (3)
CSIS 450 Network Administration (3)

Economics Major (BA)

Economics is the study of how human societies coordinate to meet needs. It is thus a science concerned with decision making, allocation, social customs, and capabilities. It draws upon philosophy, mathematics, history, and other social sciences to study such issues as individual and household choice making, the behavior of firms and industries, the allocative and regulatory roles of government, and the social challenges of economic growth, distribution, unemployment, inflation, globalization, and environmental issues. In keeping with the university's mission and objectives, the faculty examine economic topics from the perspectives of faith, emphasizing service, stewardship, and justice.

The economics major offers a four semester course of study, enabling students to prepare for careers as economists in business, government, or education, as well as offering an undergraduate major of interest to students anticipating graduate study in business administration, law, public policy, public administration, or advanced studies in economics. Like other majors in the Department of Business and Economics, it requires completion of core classes, COMM 100 Introduction to Communication, and specialized selected courses. Students are required to obtain a minimum number of courses for the major.

Major Requirements (41 hours)

BUSN 240 Statistics for Business and Economics (3)
ECON 201 Principles of Microeconomics (3)
ECON 202 Principles of Macroeconomics (3)
ECON 340 Public Economics (3)
ECON 360 Global Political Economy (3)
ECON 430 Managerial Economics (4)
ECON 460 International Trade and Finance (4)

Students must choose 6 semester hours from the following courses:

ECON 475 Field Experience (3)
ECON 485 Selected Topics (2)
ECON 495 Special Studies (2)

Students must choose 6 additional semester hours from supporting electives in business, economics, accounting (BUSN, ECON, or ACCT)

Students must choose 6 semester hours from the following outside electives:

GSCI 485 Selected Topics: History and Philosophy of Science (3)
MATH 201 Calculus I (4)
MATH 202 Calculus II (4)
MATH 301 Calculus III (3)
MATH 310 Differential Equations with Linear Algebra (4)
MATH 320 Linear Algebra (3)
PHIL 230 Ethics (3)
PHIL 260 Social Theory (3)
PHIL 380 History of Philosophy Survey (3)

PHIL 382 History of Philosophy Seminar (3)

Elementary Education Major (BS)

The elementary education major offers a 62-credit-hour course of study that is designed for the preparation of elementary school teachers with authorizations at the early childhood (age 3 years to grade 3) and elementary (grades 3

EDUC 334 Health and Physical Education Methods (3)
 EDUC 341 Learning Theory (2)
 EDUC 342 Inclusion (2)
 EDUC 370 Curriculum and Instruction (3)
 EDUC 373 Fine Arts Methods (2)
 EDUC 375 Student Teaching I and Classroom Management (2)
 EDUC 380 Social Studies Methods (2)
 EDUC 383 Science Methods (2)
 EDUC 401 Language Arts and Children's Literature (4)
 EDUC 402 Literacy Methods (4)
 EDUC 475 Student Teaching II (12)
 EDUC 490 Senior Seminar (3)
 MATH 211 Foundations of Elementary Mathematics I (4)
 MATH 212 Foundations of Elementary Mathematics II (4)
 PSYC 311 Child Development (3)

Optional: Middle-Level Authorization (7 hours)

Students may add the middle authorization (grades 5-8) to the elementary/early childhood authorization if they meet the testing/course work requirements. (See m-0(r)-11a)

electrical, or mechanical engineering. Design work is integrated throughout the curriculum, utilizing current methodologies and computer tools. The engineering major will prepare students for the engineering profession, graduate programs, and professional licensure. All engineering majors will be required to take the Fundamentals of Engineering exam prior to graduation.

Those students interested in pursuing an engineering degree in other areas, such as chemical, civil, or aerospace engineering, should see Applied Science.

Upon entering, students interested in majoring in engineering should contact an engineering advisor. There are specific general education requirements for engineering majors (see below). There is also a sequence of required courses in the major.

Special General Education Requirements

Engineering majors shall complete the following general education requirements.

The following summaries note total hours and exceptions to the university general education policy. Refer to the general education section of this catalog for specific exceptions.

Senior Capstone: 3 hours

Bible and Religion: 7 hours from stated options, including RELI 300 Christian Foundations (3)

Communication: 6 hours, including:

WRIT 110 College Writing (3) (may be waived by verbal SAT of 670 or above)

COMM 100 Introduction to Communication (3)

Health and Human Performance: HHPA 120 Lifelong Fitness (2)

Humanities: 8-9 hours from stated options, including

PHIL 230 Ethics (3).

Other courses must include a minimum of two courses from the general education humanities requirements for fine arts, history and literature. Each course must be in a different area of the humanities.

Mathematics: 4 hours: MATH 201 Calculus I (4)

Natural Science: 7-8 hours, including:

CHEM 211 General Chemistry I (4)

Students must also choose one of the following courses:

Social Science

ENGE 420 Microprocessors (4)
MATH 260 Discrete Mathematics (3)

Electrical Engineering

ENGE 300 C Programming with Applications (3)
ENGE 311 Electronic Devices and Circuits (4)
ENGE 312 Applications of Electronic Devices (4)
ENGE 330 Electrical Signals and Networks (4)
ENGE 340 Digital Signal Processing (3)
ENGE 360 Electromagnetic Fields and Waves (3)
ENGE 420 Microprocessors (4)

Students must choose 9 semester hours from the following:

ENGE 410 Digital System Design (3)
ENGE 430 Communication Systems (3)
ENGE 440 Electric Machines and Power Systems (3)
ENGE 460 Microwave Engineering and Applications (3)

Students must choose one of the following courses:

CSIS 202 Introduction to Computer Science II (3)
ENGR 250 Principles of Materials Science (3)

Students must choose one of the following courses:

MATH 240 Statistical Procedures (3)
MATH 300 Numerical Methods (3)
MATH 331 Probability (3)

Mechanical Engineering

ENGM 300 Computational Methods (2)
ENGM 312 Applications of Engineering Thermodynamics (3)
ENGM 320 Mechanics of Materials (3)
ENGM 330 Fluid Mechanics (3)
ENGM 350 Machine Dynamics and Vibrations (3)
ENGM 370 Control Systems Engineering (3)
ENGM 380 Heat Transfer (4)
ENGM 400 Mechanical Engineering Design (4)
ENGR 250 Principles of Materials Science (3)

Students must choose 9 semester hours from the following courses:

ENGM 410 Materials and Processes in Manufacturing (3)
ENGM 430 Acoustics and Noise Control (3)
ENGM 450 Vehicle Systems Dynamics (3)
ENGM 470 Combustion, Emissions, and Air Pollution (3)

Students must choose one of the following courses:

MATH 240 Statistical Procedures (3)
MATH 300 Numerical Methods (3)
MATH 331 Probability (3)

Family and Consumer Sciences Major (BS)

Major Requirements

Students may choose among three concentrations in family and consumer sciences. Descriptions and requirements follow.

Concentrations

Family and Consumer Sciences Concentration (44 hours)

Family and consumer sciences are grounded in the sciences and humanities. At the core is an education discipline designed to empower students to become professionals. Through education, research, cooperative programs, and public information, graduates work to improve the quality and standard of individuals and family life in a changing world.

The family and consumer sciences major graduates with a bachelor of science degree. Graduates find employment in the traditional areas: cooperative extension, food research, food service management, child care, fashion design, textile design, residential and commercial design, kitchen and design, retail merchandising, dietetics, equipment sales, and journalism. They also find current, nontraditional careers in these and other fields: debt counseling, energy conservation management, event planning, advertising, equipment promotion, and public relations.

FCSC 120 Apparel Construction (3)

FCSC 211 Foods I (3)

FCSC 212 Foods II (3)

FCSC 220 Fashion Society (2)

FCSC 230 Textiles Science (3)

FCSC 280 Marriage and the Family (3)

FCSC 290 Meal Management (2)

FCSC 300 Nutrition (3)

FCSC 311 Child Development (3)

FCSC 330 Residential Architecture (2)

FCSC 350 Resource Management (2)

FCSC 351 Interior Design I (3)

FCSC 354 Kitchen and Bath Planning (3)

FCSC 360 Consumer Buying (3)

FCSC 490 Senior Seminar (3)

Students must choose one of the following courses:

FCSC 320 Fashion Merchandising (3)

FCSC 370 Pattern Drafting and Apparel Design (3)

Fashion Merchandising/Interior Design Concentration (44 hours)

The fields of fashion merchandising and interior design share a common base of knowledge grounded in the academic fields of family and consumer sciences and business. A background in apparel construction, design, merchandising of fashion, and market analysis prepares students for careers in fashion merchandising.

BUSN 340 Marketing (3)
FCSC 211 Foods I (3)
FCSC 212 Foods II (3)
FCSC 290 Meal Management (2)
FCSC 300 Nutrition (3)
FCSC 310 Food, Culture, and Society (3)
FCSC 344 Quantity Food Production and Management (3)
FCSC 350 Resource Management (2)
FCSC 360 Consumer Buying (3)
FCSC 430 Nutrition and the Life Cycle (3)
FCSC 475 Field Experience (3)
FCSC 490 Senior Seminar (3)

Cooperative-3 Degree Program Concentration with the Fashion Institute of Design and Merchandising

George Fox University offers a cooperative degree program with the Fashion Institute of Design and Merchandising. For more information, contact the Office of Cooperative Education at (503) 431-1200 or fox@fox.edu.

HHPE 430 Exercise Physiology (3)
 HHPE 460 Physical Education for the Exceptional Student (3)
 HHPE 490 Senior Seminar (1)
 HLTH 210 Drug Education (2)
 HLTH 230 First Aid and Safety (1)
 HLTH 240 Stress Management (3)
 HLTH 280 Marriage and the Family (3)
 HLTH 300 Nutrition (3)
 HLTH 320 Contemporary Health Issues (3)
 PSYC 340 Statistical Procedures (3)

Physical Education Preteaching (43 hours)

Students who wish to become physical education teachers are essentially ~~one year~~ ^{five} years in program. They will take the physical education preteaching concentration within the Department of Health and Human Performance. Upon successful completion of this concentration students are directed to enter a one-year Master of Arts in Teaching Program. Upon completion of the program the student will have completed the master's degree and be certified to teach physical education.

EDUC 250 Teaching as a Profession (2)
 EDUC 334 Health and Physical Education Methods (3)
 HHPA 109 Ballroom Dance (1)
 HHPA 130 Aquatics (1) (a Red Cross Lifeguarding or Water Safety Instructor Certificate can be used to fulfill this requirement)
 HHPE 200 History and Principles of Physical Education (2)
 HHPE 221 Basketball/Golf (1)
 HHPE 222 Field Sports (1)
 HHPE 223 Tumbling/Gymnastics (1)
 HHPE 226 Tennis/Volleyball (1)
 HHPE 232 Recreational Games, Individual and Team (1)
 HHPE 300 Coaching Theory and Practice (2)
 HHPE 360 Organization and Administration of Health, Physical Education, and Athletic Training (2)
 HHPE 394 Kinesiology (3)
 HHPE 410 Teaching Physical Education (2)
 HHPE 420 Exercise Prescription (3)
 HHPE 430 Exercise Physiology (3)
 HHPE 460 Physical Education for the Exceptional Student (3)
 HHPE 470 Motor Development and Skill Learning (3)
 HHPE 480 Tests and Measurements in Physical Education (2)
 HHPE 490 Senior Seminar (1)
 HLTH 210 Drug Education (2)
 HLTH 230 First Aid and Safety (1)

Students must choose the following courses:

HHPE 310 Coaching Basketball (2)
 HHPE 320 Coaching Baseball/Softball (2)
 HHPE 330 Coaching Soccer (2)
 HHPE 340 Coaching Track (2)
 HHPE 350 Coaching Volleyball (2)
 HHPE 390 Care and Prevention of Athletic Injuries (3)

HLTH 300 Nutrition (3)

Supporting Minors for International Studies

International studies is an interdisciplinary major designed for students with an interest in international vocations. Students taking this major as preparation for missionary service or graduate studies in missions and intercultural concerns are encouraged to take a minor in the Department of Religious Studies.

MUSI 130 Music in World Cultures (2)
 MUSI 131 Sight Singing and Ear Training I (1)
 MUSI 132 Sight Singing and Ear Training II (1)
 MUSI 180 Introduction to Music Theory (2)
 MUSI 221 Theory III (4)
 MUSI 222 Theory IV (4)
 MUSI 311 Music History I (3)
 MUSI 312 Music History II (3)
 MUSI 320 Form and Analysis (2)
 MUSI 400 Music and Christian Faith (2)
 MUSI 490 Degree Recital/Project (1)

Students must choose from the following courses:

MUSI 200 Basic Conducting (1.5)
 MUSI 460 Advanced Conducting (2) (with permission)

Concentrations

Students must select one of the following concentrations:

Composition (22 hours)

MUSI 310 Counterpoint (2)
 MUSI 430 Instrumentation and Orchestration (2)

Students must complete 8 semester hours as follows:

MUSI 225 Composition I (1) (two semesters)
 MUSI 425 Composition II (1.5) (four semesters)

Students must complete 10 total semester hours from the following courses, with no fewer than four semesters in either area:

MUSA 105/305 (Applied Music) (1.5)
 MUSA Ensembles

General (15 hours)

Students must complete 10 semester hours from the following courses, with no fewer than four semesters in either area:

MUSA 105/305 (Applied Music) (1.5)
 MUSA Ensembles

Students must take 8 semesters of the following courses:

MUSA 11565 Large Ensemble I, Chehalis Symphony Orchestra, Concert Choir, Master Chorus, or

Incomplete grades will only be given for applied lessons with instructor approval. (Further instruction fees may apply.)

Students are charged a \$260 instructional fee each semester per credit. Each 3-credit

Bible and Religion: at least 10 hours from stated options

Communications

Philosophy Major (BA)

The philosophy major offers a semester course of study that is designed to prepare students to think well and communicate clearly. A classic liberal major, philosophy prepares students for a wide variety of options in graduate school, including history, law, law enforcement, literature, philosophy, and theology. Skills in critical thinking and clear communication also prepare students well for careers in industry. Most important, philosophical skills are central to the active life of the mind. Students are required to obtain a minimum grade of C in all courses taken for the major.

Major Requirements

A minimum of 24 semester hours in upper-division courses

Philosophy Core (18 hours)

PHIL 210 Introduction to Philosophy (3)

PHIL 230 Ethics (3)

PHIL 380 History of Philosophy Survey (3)

PHIL 382 History of Philosophy Seminar (3)

PHIL 415 Contemporary Philosophers and Problems (3)

Students must choose one of the following courses:

PHIL 340 Logic (3)

COMM 324 Argumentation and Critical Thinking (3)

Electives (12 hours)

Students must choose 12 semester hours from the following courses:

COMM 324 Argumentation and Critical Thinking (3)

PSYC 312 Adult Development (3)
PSYC 314 Adolescent Development (3)

Students must choose one course from the following:

PSYC 381 Counseling (3)
PSYC 400 Psychological Testing (3)
PSYC 420 Abnormal Psychology (3)
PSYC 430 Drugs and Alcohol (3)

Students must choose 2 courses from the following:

Students must choose one course from the following:

PSYC 381 Counseling (3)

PSYC 400 Psychological Testing (3)

PSYC 420 Abnormal Psychology (3)

Students must choose 2 ~~courses~~ courses from the following:

PSYC 320 Neuroscience (3)

PSYC 360 Learning (3)

PSYC 370 Cognition (3)

PSYC 410 Sensation and Perception (3)

Students must choose 9 semester hours of psychology (PSYC) coursework

Religion (18 hours)
RELI 380 Christian Beliefs (3)
RELI 401 Christianity in History I (3)
RELI 402 Christianity in History II (3)
RELI 440 World Religions (3)

Students must choose 6 additional semester hours of religious studies (RELI) coursework

Philosophy Courses (6 hours)

Students must choose 6 semester hours of philosophy (PHIL) coursework

Religion: Interdisciplinary Major

An interdisciplinary major may be elected through application and approval of the religious studies faculty. The student must show that the proposed major meets reasonable academic and vocational objectives. The interdisciplinary major consists of 48 semester hours; 24 semester hours as specified below and 24 semester hours in another major field.

Major Requirements

Religion (10 hours)
RELI 380 Christian Beliefs (3)

Major Requirements

- SOCI 150 Principles of Sociology (3)
- SOCI 340 Statistical Procedures (3)
- SOCI 373 Social Theory (3)
- SOCI 390 Research Methods (3)
- SOCI 480 Senior Research Project (3)

Students must choose 6 semester hours of sociology (SOCI) electives

Concentrations (18 hours)

Students must select one of the following concentrations:

Community and Families

Students must choose six of the following classes:

- SOCI 320 Men and Women in Society (3)
- SOCI 323 Sociology of Families (3)
- SOCI 326 Sociology of Sexuality (3)
- SOCI 360 Crime & Deviance (3)
- SOCI 363 Social Stratification (3)
- SOCI 380 Race and Ethnicity (3)
- SOCI 475 Internship (3)

Social Justice and Inequality

Students must choose six of the following classes:

- SOCI 303 International Conflict and Peace (3)
- SOCI 320 Men & Women in Society (3)
- SOCI 360 Crime and Deviance (3)
- SOCI 363 Social Stratification (3)
- SOCI 366 Social Change (3)
- SOCI 380 Race and Ethnicity (3)
- SOCI 410 Juvenile Delinquency (3)
- SOCI 475 Internship (3)

Global and Cultural Studies

Students must choose six of the following classes:

- SOCI 303 International Conflict and Peace (3)
- SOCI 310 Cultural Anthropology (3)
- SOCI 320 Men and Women in Society (3)
- SOCI 323 Sociology of Families (3)
- SOCI 326 Sociology of Sexuality (3)
- SOCI 363 Social Stratification (3)
- SOCI 366 Social Change (3)
- SOCI 380 Race and Ethnicity (3)
- SOCI 475 Internship (3)

Spanish Major (BA)

The Spanish major offers a 30-semester-hour course of study that is designed to move students toward advanced proficiency in the four skills (reading, writing, listening, and speaking) defined by the American Council on the Teaching of Foreign Languages (ACTFL). The program emphasizes the unique relationship between culture and language. Central to all course work is an examination of issues of faith and culture keeping with the mission of George Fox University. Service components are required in some courses.

Advanced course work includes historically important works of literature and a survey of Iberian and Latin American history and culture. One semester studying abroad in a Spanish-speaking country is required to complete the Spanish major. Students are required to obtain a minimum grade of C in all courses taken for the major.

Prerequisite for Major Entry

Students must demonstrate proficiency in SPAN 202 Intermediate Spanish II (4) (or placement exam) to entry into the Spanish major.

Major Requirements

SPAN 301 Intermediate/Advanced Spanish I (4)
SPAN 302 Intermediate/Advanced Spanish II (4)
SPAN 340 Spanish Culture and Civilization (3)
SPAN 350 Latin American Culture and Civilization (3)
SPAN 410 Introduction to Spanish Literature (3)
SPAN 420 Introduction to Latin American Literature (3)
SPAN 480 Senior Capstone (3)

Students must choose 16 semester hours during a semester studying abroad

Theatre Major (BA)

The theatre major offers a 45-semester-hour course of study that is designed to prepare students for entry into the competitive field of theatre as actors, directors, designers, technicians, and managers. The major offers a concentration in acting/directing and a concentration in design. Each concentration features a balance between theory and performance courses and requires students to apply their knowledge through laboratory classes in conjunction with the university theatre's main stage season. Students are required to obtain a minimum grade of C in all courses taken for the major.

Major Requirements

Theory Core (18 hours)
LITR 379 Shakespeare (3)
THEA 130 Stagecraft (3)
THEA 240 Understanding Drama (3)
THEA 340 Theatre as Ministry (3)
THEA 420 Theatre Management (3)
THEA440 Theatre History (3)

Electives (6 hours)

Students must choose 6 semester hours from the following courses:

CMCO 320 Dramatic Scriptwriting (3)

CMCO 430 Producing and Directing Video (3)

COMM 230 Mass Media and Popular Culture (3)

THEA 160/360 Impassional Theatre Workshop (2)

Students must choose one of the following courses:

WRIT330 Writing for Publication (3)

WRIT 360 Writing Fiction (3)

WRIT 370 Writing Poetry (3)

Electives (9 hours)

Students must choose 9 additional semester hours of literature (LITR) or writing (WRIT) coursework (include CMCO 320 Dramatic Scriptwriting [

Students must choose 12 semester hours in biblical studies (BIBL) coursework (200 level and above)

Students must choose 3 semester hours in Christian ministries (CHMN) coursework

Students must choose 3 semester hours in religious studies (RELI) or philosophy (PHIL) coursework

Biology Minor (20 hours)

Minor Requirements

Students must choose one of the following groups of courses:

BIOL211 General Biology I (4) BIOL212 General Biology II (4)

BIOL 331 Human Anatomy & Physiology I (4) BIOL 332 Human Anatomy & Physiology II (4)

Students must choose 12 semester hours of upper division biology (BIOL) courses.

Business Administration Minor (21 hours)

The business administration minor is designed to provide students in other majors with a basic foundation in business to assist them in attending to the management needs in their chosen fields.

Minor Requirements

ACCT 271 Principles of Financial Accounting (3)

ACCT 272 Principles of Managerial Accounting (3)

BUSN 110 Introduction to Business (3)

BUSN 300 Management (3)

BUSN 340 Marketing (3)

ECON 202 Principles of Macroeconomics (3)

Students must choose 3 semester hours of business (BUSN) coursework (see advisor)

Camping: Administrative Minor (19 hours)

Minor Requirements

ACCT 271 Principles of Financial Accounting (3)

BUSN 110 Introduction to Business (3)

BUSN 300 Management (3)

CHMN 370 Camp Programming and Counseling (3)

CHMN 440 Camp Administration (2)

CHMN 475 Field Experience (2)

Students must choose one of the following courses:

CHMN 230 The Christian and the Outdoors (3)

SOCI 300 Group Dynamics (3)

Students must choose one of the following courses:

RELI 340 Christian Classics (3)

RELI 350 Spiritual Formation (3)

RELI 490 Contemporary Religious Life (3)

Christian Ministries: Educational Ministry Minor (18-20 hours)

Minor Requirements

CHMN 391 Shared P

CHMN 130 Christian Discipling (4)
CHMN 360 Perspectives in Christian Education (3)
CHMN 390 Theological Foundations of Christian Ministry (3)

Students must choose 3 semester hours of biblical studies (BIBL) coursework (200 level or above)

Church Music Minor (19 hours)

COMM 400 Critical Approaches to Communication (3)
THEA 220 Oral Interpretation of Literature (3)
WRIT 230 Introduction to Journalism (3)

Computer and Information Science Minor (18 hours)

Minor Requirements

CSIS 201 Introduction to Computer Science I (3)
CSIS 202 Introduction to Computer Science II (3)
CSIS 310 Data Structures and File Processing (3)

Students must choose 9 additional semester hours of upper computer and information science (CSIS) coursework

Economics Minor (18 hours)

The economics minor is designed to provide students with a broader view of how the economy impacts organizations both domestically and internationally.

Minor Requirements

ECON 201 Principles of Microeconomics (3)
ECON 202 Principles of Macroeconomics (3)

Students must choose 12 semester hours from the following:

BUSN 240 Statistics for Business and Economics (3)
ECON 340 Public Economics (3)
ECON 360 Global Political Economy (3)
ECON 430 Managerial Economics (4)
ECON 460 International Trade and Finance (4)
ECON 475 Field Experience (3)
ECON 485 Selected Topics (2)
ECON 495 Special Studies (2)

Family and Consumer Sciences Minor (23 hours)

Minor Requirements

FCSC 120 Apparel Construction (3)
FCSC 211 Foods I (3)
FCSC 212 Foods II (3)
FCSC 220 Fashion and Society (2)
FCSC 351 Interior Design I (3)

Students must choose at least 3 of the following courses:

FCSC 230 Textiles Science (3)
FCSC 280 Marriage and the Family (3)
FCSC 290 Meal Management (2)
FCSC 300 Nutrition (3)

FCSC 310 Food, Culture, and Society (3)
 FCSC 311 Child Development (3)
 FCSC 320 Fashion Merchandising (3)
 FCSC 330 Residential Architecture (2)
 FCSC 344 Quantity Food Production and Management (3)
 FCSC 350 Resource Management (2)
 FCSC 352 Interior Design II (2)
 FCSC 353 Interior CAD (3)
 FCSC 354 Kitchen and Bath Planning (3)
 FCSC 360 Consumer Buying (3)
 FCSC 370 Pattern Drafting and Apparel Design (3)
 FCSC 380 Evolution of World Dress (3)
 FCSC 460 Apparel Market Analysis (3)
 FCSC 490 Senior Seminar (3)

Fashion Merchandising/Interior Design Minor (18/20 hours)

Minor Requirements

FCSC 120 Apparel Construction (3)
 FCSC 220 Fashion & Society (2)
 FCSC 230 Textiles Science (3)
 FCSC 351 Interior Design I (3)

Students must ~~also~~ take at least 3 of the following courses:

FCSC 320 Fashion Merchandising (3)
 FCSC 330 Residential Architecture (2)
 FCSC 352 Interior Design II (2)
 FCSC 353 Interior CAD (3)
 FCSC 354 Kitchen and Bath Planning (3)
 FCSC 370 Pattern Drafting and Apparel Design (3)
 FCSC 378 Apparel CAD (3)
 FCSC 380 Evolution of World Dress (3)
 FCSC 460 Apparel Market Analysis (3)

Foods and Nutrition Minor (20 hours)

Minor Requirements

FCSC 211 Foods I (3)
 FCSC 212 Foods II (3)
 FCSC 290 Meal Management (2)
 FCSC 300 Nutrition (3)
 FCSC 310 Food, Culture and Society (3)
 FCSC 344 Quantity Food Production and Management (3)
 FCSC 430 Nutrition During the Life Cycle (3)

History Minor (18 hours)

Students must choose one of the following courses:

HIST 110 Western Civilization to 1648 (3)

HIST 120 Western Civilization from 1648 (3)

Students must choose one of the following courses:

HIST 151 United States to 1865 (3)

HIST 152 United States from 1865 (3)

Students must choose 12 additional semester hours of history (HIST) courses.

International Studies Minor (18 hours)

Minor Requirements

INTL 490 Senior Seminar (3)

Students must choose 15 semester hours from the following:

INTL/SOCI 310 Cultural Anthropology (3)

INTL/RELI 440 World Religions (3)

INTL 475 Culture-oriented Fieldwork (3)

RELI 360 Cross-Cultural Christian Outreach (3)

Other appropriate courses may be substituted with written approval from the International Studies Faculty Advisor.

Leadership Studies Minor (12 hours)

The leadership studies minor is designed to help students develop their leadership skills through study and practice. Participants will learn important leadership concepts and theories and put these principles into action through hands-on leadership experiences.

Original

COMM 310 Conflict Resolution (3)
PSYC/SOCI 350 Social Psychology (3)

Students must choose one of the following courses:

LITR 360 Values Through Story and Myth (3)
PHIL 230 Ethics (3)
RELI 350 Spiritual Formation (3)

Courses cannot count for both a ~~major~~ minor or for general education.

Literature Minor (18 hours)

Minor Requirements

WRIT 200 Understanding Literature (3 hours)

Students must choose 6 semester hours of writing (WRIT)* or literature (LITR) coursework

Students must choose 9 additional semester hours of literature (LITR) coursework above the 300 level

*WRIT electives may not include WRIT 100, 103, or 110

Mathematics Minor (20 hours)

Minor Requirements

MATH 201 Calculus I (4)
MATH 202 Calculus II (4)
MATH 301 Calculus III (3)

Students must choose 9 semester hours of ~~discrete~~ math (MATH) courses

Music Minor (18.5 hours)

Minor Requirements

MUSI 121 Theory I (3)
MUSI 122 Theory II (3)
MUSI 131 Sight Singing and Ear Training I (1)
MUSI 132 Sight Singing and Ear Training II (1)
MUSI 200 Basic Conducting (1.5)
MUSI 311 Music History I (3)
MUSI 312 Music History II (3)
MUSA 105/305 Applied Music (2)

Concentration

Quaker Studies Minor (19 hours)

Minor Requirements

RELI 260 History and Doctrine of Friends (3)

RELI 350 Spiritual Formation (3)

RELI 385 Quaker Seminar (1)

RELI/HIST 402 Christianity in History II (3)

Students must choose one of the following courses:

BIBL 390 Biblical Basis for Peacemaking (3)

HIST 220/420 War and Conscience in the United States (3)

PSCI 310 Conflict Resolution (3)

Students must choose 2 of the following courses:

PHIL 330 Philosophy of Religion (3)

PSYC 440 Psychology of Religion (3)

RELI/SOCI 230/430 Sociology of Religion (3)

RELI/HIST 401 Christianity in History I (3)

3 additional RELI 385 Quaker Seminars (1 hour each)

Recreation Minor (19 hours)

Minor Requirements

HHPA 130/330 Aquatics (3)

HHPE 200 History and Principles of Physical Education (2)

HHPE 232 Recreational Games, Individual and Team (1)

HHPE 370 Camp Programming and Counseling (3)

HHPE 380 Experiential Recreational Leadership (3)

HHPE 440 Camp Administration (2)

HLTH 200 First Aid & Safety (1)

HLTH 240 Stress Management (3)

Students must choose one of the following options for 3 semester hours:

1. Choose 3 courses from the following:
 - HHPA 103/303 Backpacking (1)
 - HHPA 108/308 Canoeing (1)
 - HHPA 109/309 Ballroom Dance (1)
 - HHPA 122/322 Survival Techniques (1)
 - HHPA 126/326 Skiing/Snowboarding (1)
2. HHPE 485 Selected Topics (3)

Religion Minor (20-21 hours)

Minor Requirements

A minimum of 14 semester hours must be upper-division coursework

Social Welfare Minor (18 hours)

SWRK 180 Introduction to Social Welfare (3)
SWRK 290 Diversity Issues in Social Work (3)
SWRK 331 Human Behavior in the Social Environment I (3)
SWRK 332 Human Behavior in the Social Environment II (3)
SWRK 460 Social Policy (3)

Students must choose 3 semester hours from the following courses:

SOCI 360 Crime and Deviance (3)
SOCI 380 Race and Ethnicity (3)
SOCI 410 Juvenile Delinquency (3)
SWRK 400 Social Work with Children (3)
SWRK 485 Selected Topics (1)

Sociology Minor (21 hours)

SOCI 150 Principles of Sociology (3)
SOCI 363 Social Stratification (3)
SOCI 373 Social Theory (3)

Students must choose one of the following courses:

SOCI 320 Man and Women in Society (3)
SOCI 366 Social Change (3)
SOCI 380 Race and Ethnicity (3)

Students must choose 9 semester hours from the following courses

SOCI 310 Cultural Anthropology (3)
SOCI 320 Man and Women in Society (3)
SOCI 323 Sociology of Families (3)
SOCI 326 Sociology of Sexuality (3)
SOCI 340 Statistical Procedures (3)
SOCI 360 Crime and Deviance (3)
SOCI 380 Race and Ethnicity (3)
SOCI 390 Research Methods (3)
SOCI 410 Juvenile Delinquency (3)
SOCI 475 Field Experience (3)

Spanish Minor (2026 hours)

Prerequisite for Minor Entry

Students must demonstrate proficiency in SPAN 201 and SPAN 202 Intermediate Spanish (4 hours each placement exam) prior to entry into the Spanish minor.

Minor Requirements

Students must choose one of the following options:

Option 1 (20 hours)

SPAN 301 Intermediate/Advanced Spanish I (4)

SPAN 302 Intermediate/Advanced Spanish II (4)

SPAN 340 Spanish Culture and Civilization (3)

SPAN 350 Latin American Culture and Civilization (3)

SPAN 410 Introduction to Spanish Literature (3)

SPAN 420 Introduction to Latin American Literature (3)

Option 2 (23/26 hours)

SPAN 301 Intermediate/Advanced Spanish I (4)

SPAN 302 Intermediate/Advanced Spanish II (4)

Students must choose 15 semester hours in an approved study abroad program ~~in a Spanish~~
country *(credits abroad must be at 300-level or above)*

THEA 340 Theatre as Ministry (3)
THEA 440 Theatre History (3)

Electives (6 hours)

Students must choose 6 semester hours from the following courses:

LITR 240 Understanding Drama (3)
THEA 125/325 A Theatre Laboratory: Acting (1)
THEA 125/325 B Theatre Laboratory: Directing (1)
THEA 125/325 C Theatre Laboratory: Technical (1)
THEA 125/325 D Theatre Laboratory: Design (1)
THEA 160/360 Improvisational Theatre Workshop (2)
THEA 165/365 Georgia University Players: Drama Touring Troupe (1)
THEA 200 Acting I: Stage Voice and Movement (3)
THEA 220 Oral Interpretation of Literature (3)
THEA 275 Field Experience (1)
THEA 285 Selected Topics (3)
THEA 300 Acting II: Contemporary Scene Study (3)
THEA 330 Stage Lighting and Sound (3)
THEA 350 Music Theatre Performance (3)
THEA 370 Directing for Theatre (3)
THEA 400 Acting III: Shakespeare (3)
THEA 420 Theatre Management (3)
THEA 430 Scenic Design (3)
THEA 475 Field Experience (1)
THEA 485 Selected Topics (3)
THEA 495 Special Studies (1)

Writing Minor (18 hours)

Minor Requirements

WRIT 200 Understanding Literature (3)

Students must choose 6 semester hours of writing (WRIT)* or literature (LITR) coursework

Students must choose 9 additional semester hours of writing (WRIT)* coursework

*WRIT electives may not include WRIT 100, 103, or 110

ACCT 372 Financial Accounting and Reporting II

4 hours. A comprehensive study of generally accepted principles, including a review of their historical development and a thorough study of the underlying theory supporting them. A detailed study of many specific problems associated with the measurement and reporting of complex business transactions.

Prerequisite: ACCT 371 Financial Accounting and Reporting I.

ACCT 399 Cross-Cultural Study

3 hours. This course offers a depth discipline specific-cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

ACCT 405 Volunteer Tax Assistance

1 hour. This course is being offered in conjunction with the Internal Revenue Service and the AARP to give the student skills and training needed to prepare income tax returns for low income people in the community. We will offer free preparation and electronic filing for the community.

ACCT 471 Advanced Accounting

4 hours. Accounting for specific types of entities, such as partnerships and organizations. The accounting problems encountered in business combinations and foreign translation will be studied.

Prerequisites: ACCT 272 Principles of Managerial Accounting and ACCT 370 Accounting Information Systems.

ACCT 472 Auditing

4 hours. An introduction to the standards and procedures observed by Certified Public Accountants.

ARTS 231 Beginning Printmaking

3 hours. An introduction to screen printmaking, and relief printmaking (woodcut, linocut, collagraph) techniques and methods. Additional course fee is required.

ARTS 240 Beginning Mixed Media

3 hours. Introduction to the materials, methods, and techniques used for mixed media artwork. Additional course fee is required.

ARTS 241 Beginning Ceramics

ARTS 383 History of Visual Communications

3 hours. Survey of graphic communications throughout history, and the impact of technology on the visual qualities of graphic design, advertising, fashion, media, and design. Beginning with prehistoric petroglyphs and concluding with the World Wide Web, course will examine how culture shapes the practice of graphic design as well as how design shapes its corresponding cultures.

ARTS 384 Contemporary Art Forms

3 hours. Offered 20089. An exploration into the forms, movements, and artists found within the current art scene of the 21st century. Special emphasis will be placed on looking at new forms and genres of art such as video, performance, digital, art activism, internet, and installation. Additional course fee is required.

ARTS 399 Cross-Cultural Study

3 hours. This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

ARTS 401 Advanced Painting

3 hours. Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Additional course fee is required.

Prerequisite: ARTS 301 Intermediate Painting.

ARTS 421 Advanced Sculpture

3 hours. Advanced development within the materials, methods, and techniques used in sculpture. Additional course fee is required.

Prerequisite: ARTS 321 Intermediate Sculpture.

ARTS 430 Advanced Photography

3 hours. Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Additional course fee is required.

Prerequisite: ARTS 330 Intermediate Photography.

ARTS 431 Advanced Printmaking

3 hours. Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Additional course fee is required.

Prerequisite: ARTS 331 Intermediate Printmaking.

ARTS 440 Advanced Mixed Media

3 hours. Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Additional course fee is required.

Prerequisite: ARTS 340 Intermediate Mixed Media.

ARTS 441 Advanced Ceramics

3 hours. Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Additional course fee is required.

Prerequisite: ARTS 341 Intermediate Ceramics.

BIBL 310 Old Testament History

3 hours. Offered 20089. The history of ancient Israel is studied employing the text of the Old Testament narratives in Genesis through Esther, the evidence of archaeology, and other ancient Near Eastern texts. Theological messages and developments will be explored.

Prerequisite: BIBL 100 Bible Survey or BIBL 101 Literature of the Old Testament.

BIBL 330 The Prophetic Writings

4 hours. Offered 20089. This course studies the origin and historical development of ancient Israelite prophecy and its culmination in the canonical books of the prophets. The historical and social setting of prophets will be considered, along with the spiritual themes that dominate and characterize them.

Prerequisite: BIBL 100 Bible Survey or BIBL 101 Literature of the Old Testament.

BIBL 340 Between the Testaments

3 hours. Offered 20090. An introduction to history, literature, and theological developments in Israel between 400 B.C. (Ezra) and the first century A.D. (Christ), to provide the basis for understanding both the conclusion of the Old Testament period and the origins of Judaism and Christianity.

Prerequisites: BIBL 100 Bible Survey or BIBL 101 Literature of the Old Testament and BIBL 102 Literature of the New Testament.

BIBL 350 Writings of John

3 hours. This course explores what it means to believe in Jesus Christ, the Son of God, as depicted in the Johannine Gospel and Epistles. Special attention will be given to John's Christology, sociological setting, and message as they relate to the lives of modern readers. Taking BIBL 100 Bible Survey or BIBL 102 Literature of the New Testament first is recommended.

BIBL 360 Women and the Bible

3 hours. Offered 20089. This course will examine biblical texts often ignored. Paying attention to women characters, feminine imagery, and household codes, this course will examine the historical, theological, literary, and practical issues concerning gender in the Christian tradition.

BIBL 385 Selected Bible Topics

3 hours. The study of a book or portion of the Bible or a major biblical theme with the purpose of gaining deeper understanding of the biblical topic and of growing in the skills of studying the Bible. Topics will vary according to the professor's expertise and research interests as well as the perceived needs of students' educational experiences. May be repeated for different topics.

Prerequisites: BIBL 100 Bible Survey or BIBL 101 Literature of the Old Testament and BIBL 102 Literature of the New Testament or by permission.

BIBL 390 Biblical Basis for Peacemaking

3 hours. Offered 20090. Focusing centrally on Jesus' teachings about peacemaking, this course deals with the biblical treatment of peacemaking, including the prophetic and apocalyptic visions of the kingdom, and the interpretations of these teachings by the early church. Attention also will be given to what it means to work for peace in today's world, laboring with Christ.

Prerequisite: BIBL 100 Bible Survey or BIBL 102 Literature of the New Testament.

BIBL 399 CrossCultural Study

3 hours. This course offers depth discipline specific cross-cultural study designed to enhance the intercultural emphasis

BIOL 211 General Biology I

4 hours. An introduction to life science for those majoring in biology and bioscience-related fields. Topics include cellular biology, genetics, systematics, development, ecology, and anatomy and physiology of plants and animals. Three lectures and one laboratory per week. Additional course fees are required.

BIOL 212 General Biology II

4 hours. An introduction to life science for those majoring in biology and bioscience-related fields. Topics include cellular biology, genetics, systematics, development, ecology, and anatomy and physiology of plants and animals. Three lectures and one laboratory per week. Additional course fee is required.

Prerequisite: BIOL 211 General Biology I.

BIOL 275 Field Experience

1-6 hours may be earned. Includes internships and practica required for professional programs. The experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course.

Prerequisite: permission of the instructor and chairperson of the department.

BIOL 285 Selected Topics

1-4 hours. Offered when special needs arise or when sufficient enrollment permits. Course content includes specific interests of faculty or visiting professors, or special training required by graduate or professional schools.

BIOL 322 Comparative Vertebrate Anatomy

4 hours. Offered 2009. The comparative study of the structure and functional morphology of organisms in the phylum Chordata. Laboratory will emphasize description of representative invertebrate animals. Three one-hour lectures and one three-hour laboratory per week. All courses require BIOL 331 as a prerequisite. Prerequisites: BIOL 211 General Biology I and BIOL 212 General Biology II or BIOL 331 Human Anatomy and Physiology I and BIOL 332 Human Anatomy and Physiology II.

BIOL 331 Human Anatomy & Physiology I

4 hours. Structure and function of the human body. Topics include basic

BIOL 370 Microbiology

4 hours. A course in the structure, metabolism, classification, and health aspects of microorganisms. Methods of microbiological investigation are emphasized. Three lectures and laboratory per week. Additional course fee is required.

Prerequisites: BIOL 211 General Biology I and BIOL 212 General Biology II or BIOL 331 Human Anatomy and Physiology I and BIOL 332 Human Anatomy and Physiology II or instructor's permission.

BIOL 380 Ornithology

4 hours. A study of avian biology including phylogeny, evolution, anatomy, physiology, behavior, and ecology. Laboratory will emphasize identification, bird banding, and basic anatomy. Two lectures and one threehour laboratory per week and one required field trip to the Malheur Field Station. Additional course fee is required.

Prerequisites: BIOL 211 General Biology I and BIOL 212 General Biology II.

BIOL 390 Systematic Botany

4 hours. Offered 2008. Collection, identification, classification, and morphology of vascular plants, with emphasis on the angiosperms. Three lectures and one laboratory per week, and a required field trip. Additional course fee is required.

Prerequisites: BIOL 211 General Biology I and BIOL 212 General Biology II.

BIOL 399 Cross-Cultural Study

3 hours. This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by trips to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

BIOL 410 Molecular Biology

4 hours. An introduction to the modern field of molecular biology. We will examine the structure, organization, and transfer of genetic information at the molecular level and its requirement for life processes. Viral, prokaryotic, and eukaryotic systems are examined. Major themes include transcriptional regulation, post-transcriptional events (RNA processing), and regulation of translation. The laboratory is designed to include current techniques and experiences within the field of molecular biology. Additional course fee is required.

Prerequisites: BIOL 350 Genetics and CHEM 331 Organic Chemistry I.

BIOL 420 Cell Biology

4 hours. This course includes the study of cell physiology, energetics, neurobiology, muscle biology, and cell signaling. Other topics that will be discussed are immunology at the cellular level. Laboratory will focus on current cell culturing and analysis techniques. Three lectures and one three laboratory per week. Additional course fee is required.

Prerequisites: BIOL 211 General Biology I and BIOL 212 General Biology II or BIOL 331 Human Anatomy and Physiology I and BIOL 332 Human Anatomy and Physiology II, and CHEM 331 Organic Chemistry I. Recommended: CHEM 341 Biochemistry I.

BIOL 430 Histology

4 hours. Offered 20089. A course in the microstructure and ultrastructure of vertebrate tissues and cells. Laboratory techniques will include microtechnique, histochemistry, immunohistochemistry, and transmission electron microscopy. Two lectures and two laboratories per week. Additional course fee is required.

Prerequisites: BIOL 211 General Biology I and BIOL 212 General Biology II.

BIOL 450 Advanced Human Anatomy

4 hours. A major-level course is intended to meet the anatomy requirement of graduate/professional programs in health care fields. A course presenting a systemic approach to the study of the human body. Lecture presentations begin with an introduction of anatomical terminology, tissue classification, and developmental origins to systems. Body structure will be studied by organ systems and will involve histology. Laboratory work will follow a regional gross anatomy of the human body through cadaver dissection, human skeletal collections and preserved specimens. Additional course fee is required.

Prerequisites: BIOL 211 General Biology I and BIOL 212 General Biology II, or BIOL 331 Human Anatomy and Physiology I and BIOL 332 Human Anatomy and Physiology II, or instructor's approval.

Business

Additional courses are listed ~~Accounting~~

BUSN 390 Ethics in the Workplace

3 hours. This course is designed to prepare students to meet the ethical challenges facing employees in modern business and nonprofit organizations. The course will address at every organizational level- personal, interpersonal, group, and system wide. Topics will include identifying personal mission and values, understanding organizational culture, and recognizing ethical dilemmas.

BUSN 480 Organizational Behavior

4 hours. This course examines the complex and dynamic interactions of people and organizations in social organizations. Particular focus will be on organizational theory, human perception, motivation, group dynamics, power, conflict, culture, leadership, organizational development, and managing change.

Prerequisites: BUSN 300 Management, senior status.

BUSN 485 Selected Topics

1-3 hours. Occasional special courses chosen to fit the interests and needs of students and faculty.

BUSN 491 Senior Capstone Strategy and Planning

2 hours. Students will establish a foundation of the key principles of strategic thinking and management they relate to the world of business. The course is highly integrative in nature, incorporating many of the integral components of marketing, accounting, finance, economics, and management. In this course student teams will actually develop a business model, including a marketing and economic plan.

Prerequisite: senior business or accounting major.

BUSN 492 Senior Capstone Strategy and Implementation

2 hours. Students will operate the business they developed in BUSN 491. The integrative nature of the course will require them to use learning from prior business courses within the context of operating their businesses. Focus will be on thinking strategically, managing change within the organizational culture, and developing communication and leadership skills.

Prerequisite: BUSN 491 Senior Capstone - Strategy and Planning.

BUSN 495 Special Study

1-3 hours. Independent study of subjects outside regular offerings of particular interest to business and economics majors. Regular reading reports and conferences are scheduled.

Prerequisite: upper-division business administration majors and by permission.

Chemistry

CHEM 100 Chemistry of Life

3 hours. This course will cover concepts of organic and 0(i)-

CHEM 151 General, Organic, and Biological Chemistry I

4 hours. This course covers introductory and intermediate principles of chemistry. Special emphasis is placed on those aspects of general and organic chemistry that are pertinent to biochemistry. This course provides a background for students with interests in nursing, nutrition, and related allied health areas. (This course does not meet the requirements for science majors.) Three lectures and one two laboratory per week. Additional course fee is required.

CHEM 152 General, Organic, and Biological Chemistry II

4 hours. This course covers introductory and intermediate principles of chemistry. Special emphasis is placed on those aspects of general and organic chemistry that are pertinent to biochemistry. This course provides a background for students with interests in nursing, nutrition, and related allied health areas. (This course does not meet the requirements for science majors.) Three lectures and one two laboratory per week. Additional course fee is required.

Prerequisite: CHEM 151 General, Organic, and Biological Chemistry I.

CHEM 211 General Chemistry I

4 hours. This course covers fundamental chemical principles, reactions, and modern theories. Special emphasis is given to the role of chemistry in everyday life. Three lectures and one laboratory per week. Additional course fee is required.

Prerequisite: high school chemistry, CHEM 110 Chemistry and Our Environment, or math SAT score.

CHEM 212 General Chemistry II

4 hours. This course covers fundamental chemical principles, reactions, and modern theories. Special emphasis is given to the role of chemistry in everyday life. Three lectures and one laboratory period per week. Additional course fee is required.

Prerequisite: CHEM 211 General Chemistry I.

CHEM 275 Field Experience

1-3 hours. Supervised experience with an off-campus industry or agency using applied chemistry.

Prerequisite: instructor's permission.

CHEM 285 Selected Topics

1-4 hours. Scheduled as a regular class with topics chosen to meet the special needs and interests of students, faculty, or visiting professors.

Prerequisite: upper-division status.

CHEM 310 Analytical Chemistry

4 hours. Offered 20089. An introduction to the principles and techniques of quantitative chemical analysis. Subject matter includes volumetric and gravimetric analysis; neutralization, precipitation, and oxidation-reduction titrations; solubility; statistical methods of data analysis; UV/Vis and atomic absorption spectroscopy; fluorescence spectroscopy; and chromatographic methods. Three lectures and

CHEM 320 Advanced Inorganic Chemistry

4 hours. Offered 2009. A survey of topics in inorganic chemistry, including atomic structure, chemical bonding, periodic trends, structure, physical properties and reactivities of the elements, group theory as applied to molecular structure, and nonmetal and transition metal chemistry. The laboratory portion will be an introduction to classical and modern techniques for synthesizing compounds of representative and transition metal elements and the extensive use of spectroscopy and other physical measurements to characterize compounds. The syntheses and characterization of inorganic materials is also included. Three lectures and one three-hour laboratory per week. Additional course fee is required.

Prerequisites: CHEM 211 General Chemistry I and CHEM 212 General Chemistry II.

CHEM 331 Organic Chemistry I

4 hours. A study of principles, structure, bonding, reactions, and energy as related to carbon chemistry. The laboratory stresses materials, equipment, and skills in synthesis, purification, and identification of representative groups of organic compounds. Three lectures and one laboratory per week. Additional course fee is required.

Prerequisites: CHEM 211 General Chemistry I and CHEM 212 General Chemistry II.

CHEM 332 Organic Chemistry II

4 hours. A study of principles, structure, bonding, reactions, and energy as related to carbon chemistry. The laboratory stresses materials, equipment, and skills in synthesis, purification, and identification of representative groups of organic compounds. Three lectures and one laboratory per week. Additional course fee is required.

Prerequisites: CHEM 331 Organic Chemistry I.

CHEM 34 Biochemistry I

4 hours. A systematic and theoretical study of the biochemical activities of living cells. Topics to be covered will include: the structure, properties, and molecular interactions of biomolecules, metabolic pathways, bioenergetics, and metabolism of biomolecules, and RNA, DNA, and protein synthesis. Three lectures and one three-hour laboratory per week. Additional course fee is required.

Prerequisites: CHEM 331 Organic Chemistry I and CHEM 332 Organic Chemistry II.

CHEM 342 Biochemistry II

4 hours. A systematic and theoretical study of the biochemical activities of living cells. Topics to be covered will include: the structure, properties, and molecular interactions of biomolecules, metabolic pathways, bioenergetics, and metabolism of biomolecules, and RNA, DNA, and protein synthesis. Three lectures and one three-hour laboratory per week. Additional course fee is required.

Prerequisites: CHEM 341 Biochemistry I.

CHEM 380 Advanced Organic Chemistry

4 hours. Offered 2009. An advanced study of organic reactions and structures including, reaction mechanisms, linear free energy relationships, isotope effects, pericyclic reactions, spectroscopy, and molecular modeling. The laboratory will include the synthesis, isolation, and identification of organic compounds. Spectroscopy will be emphasized for the analysis of compounds. Three lectures and one hour laboratory per week. Additional course fee is required.

Prerequisites: CHEM 331 Organic Chemistry I and CHEM 332 Organic Chemistry II.

CHEM 399 Cross-Cultural Study

3 hours. This course offers depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic programs. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

CHEM 401 Physical Chemistry I

4 hours. An introduction to modern theoretical chemistry emphasizing classical and statistical thermodynamics, quantum mechanics, molecular structure, spectroscopy, and kinetics. Three lectures and one three-hour laboratory per week. Additional course fee is required.

Prerequisites: CHEM 211 General Chemistry I and CHEM 212 General Chemistry II, MATH 301 Calculus III, and either PHYS 202 General Physics II or PHYS 212 General Physics with Calculus II.

CHEM 402 Physical Chemistry II

4 hours. An introduction to modern theoretical chemistry emphasizing classical and statistical thermodynamics, quantum mechanics, molecular structure, spectroscopy, and kinetics. Three lectures and one three-hour laboratory per week. Additional course fee is required.

Prerequisites: CHEM 401 Physical Chemistry I and either PHYS 202 General Physics II or PHYS 212 General Physics with Calculus II.

CHEM 430 Advanced Instrumental Analysis

3 hours. Offered 20089. Principles and techniques of modern instrumental physical and chemical measurements. Subject matter includes laboratory electronics; electrochemical methods; Fourier transform infrared absorbance spectroscopy; nuclear magnetic resonance; and mass spectrometry. Particular attention is given to the design and function of the instruments used in these techniques. Two lectures and one three-hour laboratory per week. Additional course fee is required.

Prerequisite: CHEM 310 Analytical Chemistry.

CHEM 465 Chemical Research

1-4 hours per semester (not to exceed a total of 6 hours). Experimental and/or theoretical research in a topic of the student's choosing, supervised by the chemistry faculty.

Prerequisite: upper-division chemistry majors and by permission of individual faculty member.

CHEM 475 Field Experience

1-3 hours. Supervised experience with campus industry 41()-25(E)9(x)440(d)40(u)40(s)-20(t)q21d311(r)1-4 hours nlx - am(d313p)40(u)40(s) a-10()-25(rgn)40(l)9(x)-20(e)-11(m)-31(p)40(ul)9(x)-20(ep)40(up)

Christian Ministries

CHMN 120 Incarnational Youth Ministry: Young Life

1 hour.

CMCO 233 Contemporary Christian Songwriting and Producing

3 hours. Offered 2009. Working with professionals in the contemporary Christian music field, students will learn basic techniques of writing including lyrics and song structure. Students will write their own songs, which they will then produce and record.

Offered 2009. Working with professionals in the contemporary Christian music field, students will learn basic techniques of writing including lyrics and song structure. Students will write their own songs, which they will then produce and record.

CMCO 370 Broadcast News II

3 hours. Offered 20089. This class takes students out of the classroom into the field to learn Electronic News Gathering (ENG). As part of the class, students produce a news program to be aired on cable a or campus TV network.

Prerequisite: CMCO 270 Broadcast News I or instructor's permission.

CMCO 399 CrossCultural Study

3 hours. This course offers depth discipline specific ~~cross~~ study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by tr various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

CMCO 430 Producing and Directing Video

3 hours. Offered 20090. An advanced course in video directing and producing. Students explore the preproduction, production, and postproduction of original short feature videos for the Fox Film Festival.

Prerequisite: CMCO 350 Editing Video.

CMCO 460 Advanced Animation

3 hours. Offered 20090. Students continue to develop their skills in 3D animation, including techniques for creating characters in the digital domain, transformation, and movement.

Prerequisite: CMCO 360 Animation I or instructor's permission.

CMCO 470 Journalism II

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COMM 270 Introduction to Organizational Communication

3 hours. An examination of organizations from a communication vantage point of both theoretical perspectives with skill development. Students will build organizational communication competencies through understanding the nature of communication in the organizational context and by practicing effective communication skills. Possible topics include communication networks and climates, superior-subordinate relationships, computer-mediated communication, organizational identification, communication audits, group and team communication, interviewing, meetings, and presentations.

COMM 275 Field Experience

1-10 hours. Experience in supervised field situations, generally off campus, involving extensive communication activity. Admission to course and amount of credit determined by the faculty supervisor. Pass/No Pass.

COMM 285 Selected Topics

3 hours. A variety of topics may be offered that reflect the interests of faculty, visiting professors, and students.

COMM 300 Communication Theory and Research

3 hours. A study of the major sources of communication theory (e.g., meaning theory, human psychology, symbolic interactionism, relational theory, information processing) together with specific contemporary exemplifications of each approach. Special focus is on the nature and progress of scientific inquiry in communication theory

Prereq

COMM 340 General and Cultural Linguistics

3 hours. Offered 20089. A study of the ~~unit~~ of verbal symbols as they function in communication. The course will include phonetic transcription, semantics, modern grammatical theories, history of the English language, and modern English dialects.

COMM 343 Second Language Acquisition

2 hours. This course familiarizes students with linguistic, psychological, cognitive, and socio-cultural aspects of second (or additional) language acquisition and related language acquisition theories. Students reflect on their own language learning and ~~acquisitions~~ ~~experiences~~ in light of these theories and consider implications for the teaching and learning of additional languages. Offered every other year.

COMM 350 Introduction to TESOL (Teaching English to Speakers of Other Languages)

3 hours. Offered 20089. An ~~introduction~~ introduction to the theory and practice of teaching English (or any language) to nonnative speakers. Topics include principles of language teaching, communicative and interactive approaches, teaching methods and techniques for improving ~~different~~ ~~language~~ ~~skills~~, lesson planning, materials selection and adaptation, testing, cultural issues, teaching English as Christian witness, and working with English ~~as a second~~ ~~language~~ students in a mainstream class. Students relate theory to practice in a school ~~community~~ ~~based~~ practicum.

COMM 360 Nonverbal Communication

3 hours. Offered 20089. A study of the nonverbal dimensions of interpersonal communication. Includes a consideration of physical behavior, facial expression, eye behavior, personal ~~appearance~~ ~~appearance~~, posture, clothing, touch, voice, and use of objects as means of communication and in relation to verbal communication. Involves participation in nonverbal simulations and exercises.

Prerequisite: one communication arts course.

COMM 380 Leadership Communication

3 hours. An introduction to the study and practice of leadership from a communication perspective. Particular focus on the relationship between communicating and leading. Examination of leadership concepts and theories in organizational, ~~group~~ ~~public~~ contexts. Students will analyze their personal leadership styles and develop leadership communication skills through team projects and classroom exercises.

Prerequisite: sophomore standing or above.

COMM 390 Small Group Communication

3 hours. Offered 20090. A course that examines and applies theories ~~of~~ ~~small~~ ~~groups~~, structures, climate, roles, leadership, motivation, and conflict management.

Prerequisite: Comm 100 Introduction to Communication.

COMM 399 Cross-Cultural Study

3 hours. This course ~~offers~~ ~~in~~ ~~depth~~ ~~discipline~~ ~~specific~~ ~~cross~~ ~~cultural~~ ~~study~~ designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disci

COMM 410 Gender Communication Across Cultures

3 hours. Offered 2009. A course designed to introduce students to the nature and function of gender differences in communication on a ~~cross-~~cross-basis. Examines biological, cultural, and power theories that attempt to explain these differences. Focus given to verbal (spoken and written) language as well as nonverbal communication codes. Counts toward globalization requirement.

COMM 420 Intercultural Communication

3 hours. Offered 2009. Communication as it affects and is affected by language and culture. Contextualized use of communication within speech communities. Intercultural effectiveness. Cultural communication theory. Competent intercultural experiences (ethnic, gender, intergenerational, deaf, and so on) and global cultural groups.

COMM 465 TESOL Field Experience

1-3 hours. Supervised teaching experience in a school or community program for learners of English as a second language.

Prerequisite: COMM 350 Introduction to TESOL.

COMM 475 Field Experience

1-10 hours. Experience in supervised field situations, generally off campus, involving extensive communication activity. Admission to course and amount of credit determined by the faculty supervisor. Pass/No Pass.

COMM 480 Senior Capstone: Ethical and Spiritual Dimensions of Communication

3 hours. Designed to integrate skills and concepts from communication course work with ethical and spiritual principles through readings, written assignments, and assessments. Students will complete portfolios that will include work samples and department exit exams along with a statement of what it means to be a Christian communicator. A service component may be included as part of the course.

COMM 485 Selected Topics

3 hours. A variety of topics may be offered that reflect the interests of faculty, visiting professors, and students.

COMM 495 Special Study

1-3 hours. Individualized study related to the student's needs and interests. Open to exceptional students at the discretion of a faculty member.

Computer and Information Science

CSIS 130 Web-Based Programming

3 hours. An introduction to computer programming using HTML and JavaScript. The emphasis of the course is placed on fundamental concepts of computer programming through the creation of interactive Web pages. The course is designed for students who want to learn more about the World Wide Web and its applications.

CSIS 201 Introduction to Computer Science I

3 hours. A foundational course for the study of ~~computer~~computer information science. The course covers an overview of programming methodology and gives the student an ability to write computer programs using standard style and structure. Programming projects are completed in one or two languages.

Prerequisite: high school algebra or equivalent.

CSIS 202 Introduction to Computer Science II

3 hours. A foundational course for the study of computer and information science. The course covers an overview of programming methodology and gives the student a wide computer programs using standard style and structure. Programming projects are completed in one or more high-level languages.

Prerequisite: CSIS 201 Introduction to Computer Science I.

CSIS 220 Digital Logic Design

4 hours. Introduction to digital systems and binary codes, Boolean algebra and digital logic devices, combinational logic circuits and design methods, ROM and RAM memory elements, sequential logic circuits, and design methods. Laboratory experience includes TTL logic CAD tools. *Three lectures and one laboratory per week. (Identical to ENGE 220.)*

Prerequisite: ENGR 152 Engineering Principles II or CSIS 201 Introduction to Computer Science I or equivalent.

CSIS 275 Field Experience

1-3 hours. Supervised experience *and off* campus industry, business, or institution, using computer science or data processing.

Prerequisite: upper-division computer information science majors.

CSIS 285 Selected Topics

1-10 hours. A scheduled class with topics chosen to meet the *special* interests of students, faculty, or visiting professors.

Prerequisite: upper-division computer information science majors.

CSIS 300 Numerical Methods

3 hours. Offered 2000. A study of numerical solutions of mathematical problems, including nonlinear equations, systems of linear equations, polynomial approximations, root finding, integration, and differential equations. Computer programs are written to solve these problems. (Identical to MATH 300.)

Prerequisites: MATH 202 Calculus II and either CSIS 201 Introduction to Computer Science I or ENGR 152 Engineering Principles II.

CSIS 310 Data Structures and File Processing

3 hours. An introduction to the concepts of information organization, methods of representing information both internally and *externally*. The course begins with basic structures (stacks, queues, linked lists, and trees) and moves through more complex data structures into the processing of files (sequential, relatively indexed sequential, and others). Programming projects are *completed* in high-level languages.

Prerequisites: CSIS 201 Introduction to Computer Science I and CSIS 202 Introduction to Computer Science II.

CSIS 314 Client-Server Systems

3 hours. Offered 2000. This course provides an introduction to *constructing* information systems based on the *client-server* model. On the client side, we introduce *graphical* interfaces, their design and implementation, as well as commonly used tools such as database access clients, and report generators. On the *server* side, we introduce database management systems and the *side* of server programming tools that provide connectivity for clients and access to database systems. Along the way students are introduced to the basics of distributed computing and *network* computer net

Prerequisite: CSIS 202 Introduction to Computer Science II.

CSIS 430 Analysis of Algorithms

3 hours. Offered 2009. An introduction to the design and analysis of algorithms. The course covers the fundamentals of analyzing algorithms for correctness and time and space. Topics include advanced sorting and searching methods, graph algorithms, geometric algorithms, matrix manipulations, string and pattern matching, set algorithms, and polynomial computations.

Prerequisite: CSIS 310 Data Structures and File Processing.

CSIS 434 Parallel Computing

3 hours. Offered 2009. A theoretical and practical survey of parallel processing, including a discussion of parallel architectures, parallel programming languages, and parallel algorithms. Students will program on one or more parallel computers in a higher parallel language.

Prerequisite: CSIS 310 Data Structures and File Processing.

CSIS 440 Artificial Intelligence (AI)

3 hours. Offered 2009. This course introduces the student to the basic concepts and techniques of artificial intelligence, knowledge representation, problem solving, and AI search techniques. AI solutions will be developed in an appropriate AI language.

Prerequisite: CSIS 310 Data Structures and File Processing.

CSIS 450 Network Administration

3 hours. Offered 2009. This course introduces the student to system administration of a LAN. Topics covered include adding and removing users; monitoring and controlling processes; adding, removing, and managing groups; mounting and unmounting filesystems; and troubleshooting a TCP/IP network; managing and controlling network and system security; and administration of network file systems.

Prerequisite: CSIS 350 Data Communications and Networks.

CSIS 460 Operating Systems

3 hours. A study of the organization and architecture of computer systems. The major principles of operating systems are presented, along with case studies involving actual operating systems.

Prerequisite: CSIS 310 Data Structures and File Processing.

CSIS 471 Senior System Development I

1 hour. In the senior system development sequence, students apply their knowledge and software engineering skills gained through course work to a substantial computer/information science project. In the first semester, projects are defined and background research along with feasibility studies are completed. Students must also consider the ethical, moral, and social impact of their systems. Collaboration with other departments of the university is encouraged.

Prerequisite: at most, three semesters from graduation.

CSIS 472 Senior System Development II

3 hours. The projects that were initiated in the first semester are fully developed and implemented. Use analysis, design, implementation, and testing techniques are applied through the system development sequence culminates in the oral presentations and formal written reports of the projects.

Prerequisite: CSIS 471 Senior System Development I.

CSIS 475 Field Experience

1-3 hours. Supervised experience with campus industry, business, or institution, using computer science or data processing.

Prerequisite: upper-division computer information science majors.

CSIS 480 Principles of Compiler Design

3 hours. Offered 2008. This course introduces the student to the ~~basics~~ ^{building} of compiler using a multiphase translation process. It covers lexical analysis, parsing, and translation to abstract syntax using modern parser generator technology. It discusses binding of identifiers and symbol table organization, variety of intermediate representations that are suitable for backend analysis. Other topics include type checking, attribute grammar representations, and printing from abstract syntax.

Prerequisite: CSIS 310 Data Structures and File Processing. (CSIS 420 Structures of Programming Languages preferred.)

CSIS 485 Selected Topics

1-10 hours. A scheduled class with topics chosen to meet the special needs and interests of students, faculty, or visiting professors.

Prerequisite: upper-division computer information science majors.

CSIS 490 Applied Software Development

1-3 hours ~~un0co~~

ECON 340 Public Economics

3 hours. Offered 2008. An overview of the economic role and impact of government, including topics in public finance, fiscal policy, monetary policy, and the banking system, and the economics of regulation.

EDUC 436 Reading and Writing in the Content Areas

2 hours. Offered fall semester. Format: classroom centered. This course focuses on the reading and writing needs of the student at the middle level and in the high school. The teaching of critical reading and writing strategies will be included as well as assessment tools. This course is required for those pursuing middle level and high school authorizations of the Reading Endorsement, but is appropriate for teachers at all levels.

EDUC 437 Emergent Literacy

2 hours. EDUa4h4ssdresdreR(D)-39(m)-3aal-(4)i1(s)-n-11(dg(r)10(i)-Pe)-11(d)-11(x)-11g er l(i)-41(t)9.33

EDUC 473 Planning and Managing the ESOL/Bilingual Curriculum

3 hours. Examines strategies for planning, managing, and teaching English as a second language and discipline-focused content to ESOL students. Emphasis is placed on curriculum, teaching, and learning approaches that accommodate a diverse population within the classroom. This course also focuses on strategies for collaborating with educators and community members in order to provide comprehensive, challenging educational opportunities for ESOL students.

EDUC 474 Assessing ESOL/Bilingual Student Learning and Language Proficiency

3 hours. Examines principles, issues, and approaches useful for assessing the English competencies of students. Emphasis is placed on developing appropriate assessment tools for the ESOL classroom and properly interpreting tests that are used for program placement.

EDUC 475 Student Teaching II

12 hours. A fulltime laboratory experience in which principles and methods of teaching are applied under supervision of a classroom teacher and college supervisor. Pass/No Pass.

EDUC 478 ESOL/Bilingual Practicum Early Childhood/Elementary

2 hours. Offered fall and spring semesters. A supervised practicum in an approved early elementary school demonstrating knowledge and strategies developed in the ESOL/bilingual courses. Candidates set goals for professional growth in the English teaching field. Course is offered on a Pass/No Pass basis only.

Prerequisites: successful completion of all required ESOL/bilingual courses (or their equivalent) and approval of the faculty advisor.

EDUC 485 Selected Topics

1-3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

EDUC 490 Senior Seminar

3 hours. Seminar discussion of current trends and issues in education, as well as job transition and related issues.

EDUC 495 Special Study

1-3 hours. Directed independent study open to upper division students only. Not be used to substitute for required courses.

Prerequisite: instructor's permission.

Electrical Engineering

ENGE 220 Digital Logic Design

4 hours. Introduction to digital systems and binary codes; Boolean algebra and digital logic devices; combinational logic circuits and design methods; ROM and RAM memory elements; sequential logic circuits and design methods. Laboratory experience includes TTL logic circuits and CAD tools. Three lectures and one laboratory per week. Additional course fee (as required. CSIS 220.)

Prerequisite: ENGR 152 Engineering Principles II or CSIS 201 Introduction to Computer Science I.

ENGE 340 Digital Signal Processing

3 hours. Sampling as a modulation process, aliasing, the theorem, the z-transform and discrete-time system analysis, direct and computer-aided design of recursive and nonrecursive digital filters, the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT), digital filtering using the FFT, analog-to-digital and digital-to-analog conversion, effects of quantization and finite word length arithmetic. Additional course fee is required.

Prerequisite: ENGE 220 Digital Logic Design and ENGE 330 Electrical Signals and Networks.

ENGE 350 Electrical Network Analysis

3 hours. Theoretical and practical aspects of electrical networks. Loop and nodal analysis of multi networks. Admittance, impedance, and transmission parameters; matrix solutions. Butterworth, Chebyshev, and other useful network responses; network theorems. Synthesis of passive and active networks. Additional course fee is required.

Prerequisite: ENGE 250 Electrical Circuit Analysis.

ENGE 360 Electromagnetic Fields and Waves

3 hours. Theoretical study of static and dynamic electric and magnetic fields. Gauss' law and the static electric field; boundary value problems in electrostatics. Effects of dielectric and magnetic media properties. Magnetostatics; Faraday's law and applications. Maxwell's equations for fields, wave propagation; Poynting's theorem. Numerical methods and computer simulation tools in electromagnetics are introduced. Additional course fee is required.

Prerequisites: ENGE 250 Electrical Circuit Analysis.

ENGE 399 Cross-Cultural Study

3 hours. This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use discipline knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

ENGE 410 Digital System Design

3 hours. Practical aspects of digital design using Hardware Description Languages including the design, construction, and testing of significant digital subsystems. Explorations of advanced digital design concepts such as timing driven synthesis, integration of intellectual property and design reuse is made of computer-aided engineering (CAE) tools and Field Programmable Gate Array (FPGA) technology in course assignments. Two lectures and one laboratory per week. Additional course fee is required.

Prerequisite: ENGE 420 Microprocessors.

ENGE 420 Microprocessors

4 hours. Principles of hardware and software microcomputer interfacing. Microprocessor characteristics, memory peripheral devices, microcomputer structures, and I/O interface device control. Assembly language programming. Design projects involve the construction and programming of a microprocessor based system. Three lectures and one laboratory per week. Additional course fee is required.

Prerequisite: ENGE 300 C Programming with Applications and ENGE 311 Electronic Devices and Circuits.

ENGE 430 Communication Systems

3 hours. Introduction to analog and digital communications theory and applications. Topics include encoding, modulation and multiplexing techniques, spectral analysis, transmission line effects, and filtering, multiple channel and fiber optic communications, telecommunication systems, and data communications applications. Additional course fee is required.

Prerequisite: ENGE 330 *Electrical Signals and Networks.*

ENGE 440 Electric Machines and Power Systems

3 hours. Introduction to electric machines and electric power utility systems. AC and DC rotating machines; single and three phase motors and generators; transformers, static devices, power transmission lines, load flow analysis, system faults, and system modeling and design. Includes lab assignments to enhance course theory and to give experience.

Prerequisites: ENGE 330 *Electrical Signals and Networks* and ENGE 360 *Electromagnetic Fields and Waves.*

ENGM 350 Machine Dynamics and Vibrations

3 hours. Kinematic and dynamic analysis of basic mechanisms with an introduction to kinematic synthesis. Fundamentals of vibration theory and their application to lumped parameter systems. Both single and multi-degree of freedom systems having steady and transient responses are covered. Concepts of machine dynamics and design are supplemented with mathematical, graphical, and computer techniques and analysis. Applications using dynamic analysis software are included. Additional course fee is required.

Prerequisites: ENGM 210 Statics and Dynamics and MATH 310 Differential Equations with Linear Algebra.

ENGM 370 Control Systems Engineering

3 hours. This course covers various aspects of control system engineering including dynamic system modeling, control system stability and performance analysis. Special attention is given to compensator design by PID and lead algorithms. Principles of closed loop mechanical, electrical, hydraulic, pneumatic, and thermodynamic systems are considered. Laboratory experiments include both MATLAB simulations and PLC programming with applications. Two lectures and one laboratory per week. Additional course fee is required.

Prerequisite: MATH 310 Differential Equations with Linear Algebra.

ENGM 380 Heat Transfer

4 hours. Fundamental aspects of steady and transient heat transfer by conduction, convection, and radiative transport modes. Analytical and numerical methods of forced and natural convection systems. Conjugate analysis of fluid problems using numerical methods is presented. Single phase convection, boiling, and condensation are also included. Three lectures and one laboratory per week. Additional course fee is required.

Corequisite: ENGM 300 Computational Methods. Prerequisite: ENGM 330 Fluid Mechanics.

ENGM 399 Cross-Cultural Study

3 hours. This course offers a depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

ENGM 400 Mechanical Engineering Design

4 hours. Fundamental principles for the synthesis, analysis, and design of mechanical elements and systems. The use of statics, dynamics, mechanics of materials, and failure theories to evaluate mechanical systems under static and dynamic loading. Application of design to specific mechanical components such as gears, springs, shafts, bearings, and fasteners, with an emphasis on design for manufacturability. Computer modeling tools including finite element analysis are utilized. Three lectures and one three laboratory per week. Additional course fee is required.

Prerequisites: ENGM 320 Mechanics of Materials and ENGM 350 Machine Dynamics and Vibrations.

Corequisite: ENGM 300 Computational Methods.

ENGM 410 Materials and Processes in Manufacturing

3 hours. Mechanical and metallurgical fundamentals of cutting operations, metal forming by deformation,

ENGR 152 Engineering Principles II

2 hours. Introduction to the concepts and methods of engineering problem solving and design. Topics include the following: analysis and design methodologies, structured computer programming, basic principles of engineering graphics, the visualization and modeling of real world systems, and an introduction to the history and ethics of the engineering profession. Computer-aided design (CAD) tools, solid modeling and simulation software, and mathematics software applications are presented. Students work on numerous team design projects, communicating their results through oral and written reports. Meets twice weekly in a lecture/lab environment. Additional course fee is required.

Prerequisite: ENGR 151 Engineering Principles I.

ENGR 250 Principles of Materials Science

3 hours. The science underlying the behavior of engineering materials, including the relation between atomic structure and mechanical, electrical, and magnetic properties in metals, ceramics, polymers, composite materials, and semiconductors. Phase, heat treatment, and corrosion mechanisms are also presented. Laboratory exercises are included to enhance course theory and to provide hands-on experience with materials measurement apparatus and analysis techniques. Two lectures and one lab per week. Additional course fee is required.

Prerequisites: CHEM 211 General Chemistry I, ENGR 152 Engineering Principles II, and PHYS 212 General Physics with Calculus II.

ENGR 275 Engineering Internship Experience

1-4 hours. Supervised experience with matE2(x)-31(p)-12(x).5(p)-14alpos ancoss re auise s hryanc rmau0(t)pNGR 275 Eereuisitm ienxp12.167 0 Td 2(o)10(8 Td {w}940(r)10(y)20(.)-29(d)411(r)10(i)-21(e)-1)J [4)40(011()0(-)-240(n)40(-)2x 2.3

ESLA 280 Speech
3 hours

FCSC 344 Quantity Food Production and Management

3 hours. Offered 2009. Quantity food production principles for the successful organization and management of effective, operative food service. Surveys administrative responsibilities, menu planning, preparing food to specific standards, cost controls, and nutritional value. Includes a laboratory experience focusing on quality control, finances, and compliance.

Prerequisite: FCSC 211 Foods I.

FCSC 350 Resource Management

2 hours. Offered 2009. A study of resource allocation (time, money, energy) and its relationship to attainment of desired values, goals, and standards. Emphasis is placed on the application of management principles individually and within the family.

FCSC 351 Interior Design I

3 hours. Application of the elements and principles of design in planning and selecting materials and furnishings for the living environment. Emphasis on single room design, and universal design by creating functional and aesthetically pleasing residential designs. Includes a section on historical furnishings.

FCSC 352 Interior Design II

2 hours. Offered 2008

FCSC 378 Apparel CAD

3 hours. Offered 2009. Emphasis on clothing design by draping techniques. Course includes introductory unit focusing on computer design processes. Each student will complete an original design in half

GEED 285 Selected Topics
1-3 hours.

Greek

GREK 201 Hellenistic Greek I

4 hours. A beginning course in the Greek of the New Testament, including vocabulary, grammar,

General Science

GSCI 120 Environmental Science

3 hours. This course will introduce the conceptual, interdisciplinary framework of environmental science examining its physical, biological, and social components. Topics to be considered will include an inventory of the earth's resources, ecological principles, and the responses of systems to anthropogenic stress; population growth; biodiversity and conservation; and environmental sustainability. Two lectures and one laboratory per week.

HPHA 322 Survival Techniques

1 hour. At the end of the course the student will be able to justify the need for emergency preparedness; elaborate on the philosophical, psychological, and physiological aspects of survival; demonstrate the skills necessary to keeping alive in emergencies; and demonstrate ability to improvise in wilderness situations. Additional course fee is required.

HPHA 325 Adapted Activities

1 hour. This course is designed for those students who are unable to participate in physical education classes due to the presence of disabilities or illness. Programs are individualized to meet the abilities and needs of those involved. Those who must follow a physician's prescribed program of exercise will be assisted in developing a program.

HPHA 326 Skiing/Snowboarding

1 hour. This course is designed to improve your skiing or snowboarding. You will learn new skills, improve your fitness, enjoy new challenges on the mountain, and gain a renewed appreciation of God's gifts and creation. Specific objectives depend on your level of expertise and will be explained by your professional ski/snowboard instructor. Additional course fee is required.

HPHA 327 Soccer/Floor Hockey

1 hour. This course will use lectures, practice sessions, and play to acquaint students with the fundamental techniques and strategies of floor hockey and soccer. Floor hockey will be played during the first seven weeks of the semester, soccer during the last seven weeks.

HPHA 329 Tennis

1 hour. Instruction in skills, techniques, rules, and strategies in double and singles. Students will recognize the value of tennis as a potential lifetime recreational activity.

HPHA 330 Aquatics

1 hour. This course is intended to introduce the basics of swimming appropriate to a range of swimming aptitude. This course will prepare HHP majors to teach the five basic swimming strokes, and will prepare all students who intend to pursue certification as a lifeguard and/or obtain the Water Safety Instructor's certification. Additional course fee is required.

HPHA 333 Volleyball

1 hour. The student will be instructed in the fundamental techniques, strategies, drills, and understanding of the game of volleyball.

HPHA 334 Wallyball

1 hour. This course will use lectures, practice sessions, video analysis, and tournament play to acquaint students with the fundamental techniques and strategies of wallyball.

HPHA 336 Weight Training

1 hour. This course is designed to teach the physiological principles and training techniques involved in effective strength training and to apply those principles in a strength conditioning program.

HIST 151 United States to 1865

3 hours. The first half of a semester survey of American history. The course surveys historical development from human origins in North America through the founding of the United States to the end of the Civil War.

HIST 152 United States from 1865

3 hours. The second half of a semester survey of American history. The course surveys historical development in the United States beginning with Reconstruction of the nation during and after the Civil War and continuing through contemporary times.

HIST 220 War and Conscience in the United States

3 hours. An exploration of American thought on the subject of war, both today and in past crises such as the American Revolution, Civil War, wars with the American Indians, the world wars, Vietnam War, and the Gulf War; a study of the official positions major church bodies have taken in regard to war; and the experiences of individuals who refused to fight. (Identical to PSCI 220.)

HIST 250 Latin America

3 hours. Offered 2008-9. Latin American countries from colonial times to the present, with an emphasis on the conditions that have led to the crises of recent years.

HIST 275 Field Experience

2-10 hours. Supervised experiences in museums, historical societies, and government agencies.
Prerequisites: upper-division history majors, and by permission.

HIST 280 Introduction to Political Philosophy

3 hours. A study of great political thinkers and issues from Socrates to the present. Students are encouraged to understand and evaluate these thinkers in their historical contexts, and to consider them as philosophers whose insights are relevant for contemporary debates. (Identical to PHIL 280 and PSCI 280.)

HIST 285 Selected Topics

3 hours. Occasional special courses scheduled to fit the interests of students and faculty and the needs of a shifting society. A course in presidential elections is offered in presidential years (2012, 2016).

HIST 290 Introduction to Historical Studies

3 hours. An introduction to the basic skills, methods, and resources of historical scholarship; the types of historical literature and scholarship; Christian foundations for historical interpretation; historical schools of interpretation; and the uses of historical scholarship.

HIST 300 American Political Theory

3 hours. A survey of the major developments in U.S. political thought from the Puritans to the present. The relationship between Christianity and American political theory is given special attention. (Identical to PHIL 300 and PSCI 300.)

HIST 330 The American West

3 hours. Examines the relationship of the American West to the rest of the nation through its exploration, settlement, and development. Special attention is given to the Pacific Northwest and to the Native American experience.

HLTH 485 Selected Topics

1-3 hours. A seminar dealing with various topics as announced that represent interests and competencies.

International Studies

INTL 200 Cultural Geography and Global Relationships

3 hours. A study of the world's cultural regions developed through the themes of location, human environmental relationships, movement, and regions, with emphasis on the interrelatedness of culture, physical, economic, historical, and political geography in creating the dynamic cultural landscapes existing today. (Identical to GEOG 200.)

INTL 230 Introduction to International Relations

3 hours. Introduction to the principles and study of interstate relations in the contemporary world. Special attention is given to the issues of sovereignty, the United Nations, and international law. (Identical to INTL 230.)

INTL 275 Field Experience

1-3 hours. Supervised experience in the discipline including internships and practica required for professional

INTL 460 International Trade and Finance

4 hours. An overview of international economics with attention to international trade, economic cooperation, foreign exchange, international banking and global financial institutions. Attention is given to trade policies, bilateral and multilateral trade negotiations, the functioning of firms in the international economy, and reform of the global financial architecture. (Identical to ECON 460.)

Prerequisites: ECON 201 Principles of Microeconomics and ECON 202 Principles of Macroeconomics.

INTL 475 Culture-Oriented Fieldwork

3-12 hours. Supervised experiences in American culture.

Prerequisite: upper-division international studies majors or minors, and by permission.

INTL 485 Selected Topics

1-3 hours. An advanced seminar offered on an occasional basis addressing a current topic in the field that has special interest to students and current faculty.

INTL 490 International Studies Senior Seminar

3 hours. Required of senior international studies majors, the course emphasizes the investigation of theoretical and current applications of interdisciplinary research in international studies. Students with significant interest in international issues can enroll, with the consent of the instructor. A research paper based upon primary source materials is the main assignment of the course.

Japanese

JPNS 101 First-Year Japanese I

3 hours. A study of the structures of the Japanese language, with practice in listening, speaking, reading, and writing. The culture of Japan is presented as an integral component of language study.

JPNS 102 First-Year Japanese II

3 hours. A study of the structures of the Japanese language, with practice in listening, speaking, reading, and writing. The culture of Japan is presented as an integral component of language study.

Prerequisite: JPNS 101 First-Year Japanese I or one year of high school Japanese or placement by exam.

JPNS 201 Second-Year Japanese I

3 hours. A thorough review of Japanese language structures, with intensive practice in reading, speaking, and writing. Language lab listening and interaction are required.

Prerequisite: JPNS 102 First-Year Japanese II or two years of high school Japanese or placement by exam.

JPNS 202 Second-Year Japanese II

3 hours. A thorough review of Japanese language structures, with intensive practice in reading, speaking, and writing. Language lab listening and interaction are required.

Prerequisite: JPNS 201 Second-Year Japanese I or two years of high school Japanese or placement by exam.

Leadership Studies

LEAD 235 Residence Life Seminar

1 hour. An integrative seminar linking residence life, leadership, course work, and group exercises. Examines the educational implications of residence life by giving attention to what causes dissonance in the

LITR 270 Great British Writers

3 hours. An introduction to British literary history, combined with a close study of some of the most engaging works and writers in the tradition.

LITR 275 Field Experience

1-3 hours. Supervised experience in the discipline including internships and practica required for professional programs. This introductory experience must have a supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course.

Prerequisite: instructor's permission.

LITR 280 Literary Foundations of Women's Studies

3 hours. Introduces students to literature that presents the groundwork for women's studies and considers a selection of contemporary texts that apply that perspective. Reading will include significant novels, poems,

LITR 360 Values Through Story and Myth

3 hours. Offered 2008. A consideration of selected writers and works that attempt to understand, un

LITR 440 A Study of the Modern Novel

3 hours. Examines the modern novel as a literary form through the analysis of important world writers. Discusses such issues as the relationship between novelistic structure and ideology.
Prerequisite: another LITR course or equivalent or instructor's permission.

LITR 475 Field Experience

1-3 hours. Supervised experience in the discipline including internships and practica required for professional programs. This advanced experience must have a supervisor and/or a departmental instructor overseeing, designing, and evaluating the field experience.
Prerequisite: instructor's permission.

LITR 480 International Women's Voices

3 hours. Offered 2007. Considers contemporary writings from women around the world. Students analyze these literary texts, examine the cultures they represent, and are apprised of current events related to women.
Prerequisite: another LITR course or equivalent or instructor's permission.

LITR 485 Selected Literary Topics

3 hours. An occasional course that allows professors and students to investigate literary topics. Past selections have included studies in science fiction, the literature of human rights, the short story, and the works of particular authors.

LITR 495 Special Study

1-3 hours. Individualized study related to the student's needs and interests. Open to exceptional students at the discretion of a faculty member.

Mathematics

MATH 095 Math Skills

1-3 hours. Individually designed mathematical training to meet the needs and goals of any individual student. The extent of this training will be determined through a testing process. Topics covered include basic math, elementary algebra, and intermediate algebra. This course does not fulfill general education requirements. *This course is pre-college level and carries no credit toward degree requirements.*

MATH 150 The World of Mathematics

3 hours. An introduction to various topics of modern mathematics from an elementary point of view so as to be understandable to nonmathematics and nonscience majors and to foster an appreciation for the art, history, beauty, and applications of mathematics. Topics will be covered that allow students to do the mathematics involved without needing a strong mathematical background.

MATH 180 College Algebra

3 hours. An algebra course designed for students who have completed high school algebra and are prepared to cover the major topics of algebra in more depth and breadth. Applications of algebra will be emphasized in this course. This course does not serve as a prerequisite for the calculus sequence.
Prerequisite: high school algebra or equivalent.

MATH 285 Selected Topics

1-3 hours. A class with topics in mathematics chosen to fit special needs or interests of students, faculty, or visiting professors.

Prerequisite: instructor's permission.

MATH 290 Mathematical Logic

3 hours. Offered 20090. This course is intended to facilitate a smooth transition from lower-level, more computation-oriented mathematics to upper-level, more theoretical courses. Topics include symbolic logic, methods of proof, and set theory.

Prerequisite: MATH 201 Calculus I.

MATH 300 Numerical Methods

3 hours. Offered 20090. A study of numerical solutions of mathematical problems, including nonlinear equations, systems of linear equations, polynomial approximations, root finding, integration, and differential equations. Computer programs are written to solve these problems. (Identical to CSIS 300.)

Prerequisites: MATH 202 Calculus II and either CSIS 201 Introduction to Computer Science I or ENGR 152 Engineering Principles II.

MATH 301 Calculus III

3 hours. This course is an extension of MATH 201 and 202 Calculus I and II to functions of more than one variable. Topics include vectors, vector-valued functions, partial derivatives, and multiple integration.

Prerequisite: MATH 202 Calculus II.

MATH 310 Differential Equations with Linear Algebra

4 hours. A study of the theory, methods of solution, and applications of ordinary differential equations and the techniques of linear algebra necessary to accomplish that study.

Prerequisite: MATH 301 Calculus III.

MATH 320 Linear Algebra

3 hours. Offered 20089. A study of matrices and their properties and application, linear transformations, and vector spaces.

Prerequisites: MATH 310 Differential Equations with Linear Algebra.

MATH 331 Probability

3 hours. Offered 20090. A study of sample spaces, combinatorial methods, discrete and continuous distributions, moment-generating functions, and the central limit theorem.

Prerequisite: MATH 301 Calculus III.

MATH 332 Mathematical Statistics

3 hours. Offered 20090. A study of statistical methods including estimators, confidence intervals, tests of statistical hypotheses, and correlation-analysis from a theoretical point of view, including applications.

Prerequisite: MATH 331 Probability.

MATH 340 Number Theory

3 hours. Offered 20089. An introduction to the basic properties of whole numbers, including such topics as prime numbers, Euclid's algorithm, Fermat's Theorem, congruences, and Diophantine equations. This course will emphasize historical development of the relevant topics.

Prerequisites: MATH 202 Calculus II and MATH 290 Mathematical Logic.

MUSA 105 PN Applied Piano

1/2 or 1 hour. Technical exercises, scales, and arpeggios in various rhythms; ~~7 to 8~~ ^{7 to 8} ~~to 10~~ ^{to 10} ~~various~~ ^{various} ~~styles~~ ^{styles} ~~of~~ ^{of} ~~music~~ ^{music} such as those by Duvernoy, Burgmuller, Heller, Czerny, and Clementi. Repertoire from the historical periods are studied, including selected contemporary composers. A select group of concerti are also studied. Additional course fee is required

MUSA 105 OR Applied Organ

1/2 or 1 hour. Basic study of pedal and manual techniques. Standard works from the Baroque, Classic, Romantic, and Modern periods. Additional course fee is required.

MUSA 105 ST Applied Strings

1/2 or 1 hour. Instruction on violin, viola, cello, and string bass. Basic fundamentals, posture, bow, and ~~and~~ ^{and} techniques, shifting, and vibrato. Included are scale and arpeggio studies and works from the standard and orchestral repertoire. Additional course fee is required.

MUSA 105 WW Applied Woodwinds

1/2 or 1 hour. Instruction on flute, clarinet, oboe, saxophone, and bassoon. Tone production, scales, and arpeggios in various articulations. Includes technical studies and works from the standard solo and orchestra repertoire. Additional course fee is required.

MUSA 105 BR Applied Brass

1/2 or 1 hour. Instruction on trumpet, French horn, trombone, baritone, and tuba. Technical studies include tone production, scales, and arpeggios with various articulation. Works from ~~the~~ ^{the} standard solo and orchestral repertoire are studied. Additional course fee is required.

MUSA 105 PR Applied Percussion

1/2 or 1 hour. Instruction on snare drum, tympani, the mallet instruments, and ~~drum set~~ ^{drum set} ~~and~~ ^{and} ~~other~~ ^{other} ~~percussion~~ ^{percussion} instruments used in ~~the~~ ^{the} wind ensemble and orchestra. Additional course fee is required.

MUSA 105 GT Applied Guitar

1/2 or 1 hour. Study of playing techniques, with emphasis on chordal knowledge and basic strums. Solos and ensemble pieces will be included for each student at ~~the~~ ^{the} performance level. Additional course fee is required.

MUSA 105 JZ Applied Jazz Piano

1/2 or 1 hour. A study of improvisational methods through ~~the~~ ^{the} ~~performance~~ ^{performance} of selected jazz repertoire. The goal of this class is to introduce ~~and~~ ^{and} ~~practice~~ ^{practice} methods used by jazz artists to gain improvisation skills and to apply them to your own practice and performance over selected jazz repertoire. Additional course fee is required.

MUSA 305 VC Applied Voice

1/2 or 1 hour. Study of proper voice ~~production~~ ^{production}, with emphasis on posture, breathing, and resonance. Studies from the standard repertoires, including English songs, Italian classics, German lieder, French songs, oratorio and operatic arias, and selected contemporary works. ~~Additional course fee is required.~~

MUSA 305 PN Applied Piano
1/2 or 1 hour

MUSA 125C Concert Choir

1/2 or 1 hour. The Concert Choir is committed to excellent choral singing in a wide variety of styles, including contemporary sacred and gospel arrangements, spirituals, and hymn settings. The choir's combined commitment to excellence and ministry finds expression in concerts given on campus and in churches throughout the Northwest. Rehearsals are held four days a week.

Prerequisite: audition.

MUSA 125T Music Theatre

1/2 or 1 hour. Membership is open to all students interested in the production aspects of theatre. This organization offers one major presentation each spring. Works include Broadway musicals, light opera, music reviews, and an occasional opera. Orchestra accompaniment generally is used, and productions are completely staged, choreographed, costumed, and lighted.

Prerequisite: chorus members and leading roles are selected by audition.

MUSA 135A Chamber Singers

1/2 hour. This ensemble sings a flexible repertoire ranging from Renaissance madrigals through contemporary vocal jazz settings and Christian contemporary gospel. Members present concerts in the Portland region and participate in various campus concerts.

Prerequisite: audition and concurrent enrollment in Concert Choir.

MUSA 135B Chorale

1/2 hour. A chorus of men's and/or women's voices using a variety of sacred and secular literature that is appropriate to members' skill level. Students learn proper tone production and sight-reading skills and experience rehearsal techniques that will prepare them for Concert Choir and/or singing beyond graduation. This class meets twice a week.

Prerequisite: instructor's permission at the beginning of each semester.

MUSA 135H George Fox University Handbell Ringers

1/2 hour. This musical ensemble shares its music with community agencies, churches, and university audiences. Limited to 11 ringers.

Prerequisite: audition/interview.

MUSA 135J Vocal Jazz Ensemble

1/2 hour. A vocal ensemble and rhythm section specializing in the preparation, study, and performance of vocal jazz. Performances are usually for university events and some off-campus events. Vocalists will learn to improvise and sing with style and tone appropriate to the idiom. Rhythm section players will learn how to effectively accompany, improvise, and play as a trio.

Prerequisite: audition, instructor's permission, and concurrently enrolled in major ensembles.

MUSA 145B Symphonic Band

1/2 or 1 hour. The Symphonic Band is a touring ensemble that plays concerts throughout the Northwest. The spring tour repertoire is played in schools, churches, and for chapel. This ensemble serves to train students for careers in instrumental conducting and performing.

Prerequisite: instructor's permission.

MUSA 145J Jazz Ensemble

1/2 hour. An ensemble organized to train instrumentalists in the jazz repertoire. Performances are usually for school events and some campus concerts.

Prerequisite: members who are music majors must also be enrolled in the Symphonic Band.

MUSI 225 Composition I

1 hour. Individual lessons in composition. Initial inquiry into organization of sound resources, developing techniques for working with musical materials, and composition in small forms. May be repeated for credit.

Prerequisites: MUSI 122 Theory II and MUSI 132 Sight Singing and Ear Training II, or instructor's permission.

MUSI 250 Beginning Class Guitar

1 hour. This course offers vital foundational instruction in the techniques of playing guitar. Proper hand position, fingering, and strumming styles, and a broad range of chords are presented. Learn to read music, tab, and understand basic concepts of theory. Have fun playing cool riffs, chord progressions, and songs. Ideal for learning techniques applicable to leading worship.

MUSI 270 Music Techniques Instrumental I

1 hour. Fundamental instruction in the technique required to play music instruments at an intermediate level. Attention will be given to the technical aspects of music performance with an emphasis on the various demands related to teaching instrumentalists.

Prerequisites: MUSI 121 Theory I and MUSI 122 Theory II.

MUSI 271 Music Techniques Instrumental II

1 hour. Fundamental instruction in the technique required to play music instruments at an intermediate level. Attention will be given to the technical aspects of music performance with an emphasis on the various demands related to teaching instrumentalists.

Prerequisites: MUSI 121 Theory I and MUSI 122 Theory II. (MUSI 270 is not a prerequisite for MUSI 271.)

MUSI 272 Music Techniques Vocal

1 hour. This course is designed to present a practical program to explain the physical, technical, and artistic aspects of singing combining historical pedagogy with current research in acoustics and the physiology of human voice. We will explore how to coordinate the activities of resonance, articulation, vibration, and energization of the system to produce a freely functioning voice. Students will increase their aural awareness and understand the distinction between speaking and singing. They will learn to problem and diagnose vocal stress in the role of teacher, observer, and student.

Prerequisite: MUSA 105 VC Applied Voice or MUSA 305 VC Applied Voice or MUSI 125 Voice Class. (MUSI 270 and MUSI 271 are not prerequisites for MUSI 272.)

MUSI 273 Instrumental Music Techniques for Choral Conductors

1 hour. A technical overview of woodwind, brass, string, and percussion instruments designed for choral music education students. Emphasis on helping the student troubleshoot and teach the fundamentals of instrumental music.

MUSI 275 Field Experience

1-5 hours. Supervised experience in music apprenticeship as conductor, performer, or composer.

5 hours

MUSI 400 Music and Christian Faith

2 hours. A study of the relationships between musical communication and Christian faith and practice. A includes some preparatory modules for senior recital.

Prerequisites: MUSI 222 Theory IV and MUSI 312 Music History II or equivalents, and junior or senior standing.

Nursing

NURS 200 Nursing Fundamentals

2 hours. Exposes students to theories concerning clients in need of primary, acute, and restorative nursing care through the introduction of basic nursing concepts, skills, and techniques of nursing practice, and provides students with a foundation in advanced nursing practice in a variety of health care settings.

Prerequisite: admission to nursing major.

NURS 203 Nursing Fundamentals Practicum

2 hours. Application of health assessment and basic nursing skills in the care of individuals experiencing alterations in biopsychosocial, cultural, and spiritual health status. Additional course fee is required.

Corequisites: NURS 200 Nursing Fundamentals, NURS 210 Health Assessment.

NURS 210 Health Assessment

2 hours. The systematic and continuous collection of biopsychosocial, cultural, and spiritual data through the assessment of clients' strengths and coping resources, actual and potential health problems, and the identification of factors that place clients at risk for alterations in health.

Prerequisite: admission to nursing major.

NURS 275 Field Experience

1-3 hours. Supervised experience in the discipline including internships and practica required for professional programs. This introductory experience must have a supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course.

Prerequisite: instructor's permission.

NURS 285 Selected Topics

1-3 hours. An introductory seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty.

NURS 300 Medical-Surgical Nursing I

3 hours. The acquisition, integration, and prioritization of theoretical knowledge vital to the care of individuals and groups experiencing alterations in pathophysiological processes of human illnesses and injuries.

Corequisites: NURS 303 Medical-Surgical Nursing I Practicum, NURS 330 Nursing Research, NURS 350 Pharmacology.

Prerequisites: junior status, NURS 200 Nursing Fundamentals, NURS 203 Nursing Fundamentals Practicum, NURS 210 Health Assessment.

NURS 303 Medical-Surgical Nursing I Practicum

3 hours. Implementation of theoretical knowledge vital to the care of individuals and groups experiencing alterations in pathophysiological processes of human illnesses. Additional course fee is required.

Corequisite: NURS 300 Medical-Surgical Nursing I.

NURS 320 Medical-Surgical Nursing II

3 hours. The acquisition, integration, and prioritization of evidence-based nursing knowledge critical to the care of individuals and families with complex pathophysiological alterations in their biopsychosocial health status.

Corequisites: NURS 340 Mental Health Nursing, NURS 343 Mental Health Nursing Practicum.

Prerequisites: NURS 300 Medical-Surgical Nursing I, NURS 303 Medical-Surgical Nursing I Practicum, NURS 330 Nursing Research, NURS 350 Pharmacology.

NURS 323 Medical Surgical Nursing II Practicum
3 hours.

NURS 403 Public Health Nursing Practicum

3 hours. Application of nursing theory and public health theory in the care of individuals, families, and groups in the community.

Corequisite: NURS 400 Public Health Nursing.

NURS 410 Nursing Administration/Leadership

2 hours. The study of the contemporary role(s) of an effective nurse leader/administrator/manager as they assess, plan, organize, implement, and evaluate care for groups in acute, primary, and/or community health settings.

Prerequisite: all nursing courses at junior level.

NURS 413 Nursing Administration/Leadership Practicum

3 hours. Facilitate student's transition into the professional role(s) through implementation of leadership theories in acute, primary, and/or community settings. Additional course fee is required.

Corequisite: NURS 410 Nursing Administration/Leadership.

NURS 420 Maternity Nursing

2 hours. Study of the care of childbearing women and their families throughout all the stages of pregnancy and childbirth.

Prerequisite: all nursing courses at junior level.

NURS 423 Maternity Nursing Practicum

3 hours. Care of women and their families during the events surrounding childbearing. Additional course fee required.

Corequisite: NURS 420 Maternity Nursing.

NURS 475 Field Experience

1-3 hours. Supervised experience in the discipline including internships and practica required for professional programs. This advanced experience must have a supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course.

Prerequisite: instructor's permission.

NURS 485 Selected Topics

1-3 hours. An advanced seminar offered on an occasional basis addressing a current topic in the field that has special interest to students and faculty.

Philosophy

PHIL 210 Introduction to Philosophy

3 hours. This introduction to philosophical issues encompasses study of the human quest to understand meaning of knowledge, art, nature, God, values, and other vital interests. Lectures and reading will introduce the student to the major systems of philosophy developed by thoughtful people over the centuries.

PHIL 230 Ethics

3 hours. Ethics consists of an analysis of the ethical theories and systems by which persons make judgments and choices, with special attention to contemporary moral issues and the modern revival of virtue theory.

PHYS 201 General Physics I

4 hours. Mechanics, thermodynamics, electricity and magnetism, wave motion and optics, and modern physics, using algebraic methods for analysis. Three lectures and one lab per week. Additional course fee is required.

Prerequisite: MATH 190 Precalculus Mathematics.

PHYS 202 General Physics II

4 hours. Mechanics, thermodynamics, electricity and magnetism, wave motion and optics, and modern physics, using algebraic methods for analysis. Three lectures and one lab per week. Additional course fee is required.

Prerequisite: PHYS 201 General Physics I.

PHYS 211 General Physics with Calculus I

4 hours. Mechanics, thermodynamics, electricity and magnetism, wave motion and optics, and modern physics, using calculus methods for analysis. Three lectures and one lab per week. Additional course fee is required.

Prerequisite: MATH 201 Calculus I.

PHYS 212 General Physics with Calculus II

4 hours. Mechanics, thermodynamics, electricity and magnetism, wave motion and optics, and modern physics, using calculus methods for analysis. Three lectures and one lab per week. Additional course fee is required.

Prerequisite: PHYS 211 General Physics with Calculus I.

Political Science

PSCI 150 Introduction to Political Science

3 hours. An introduction to the study of the use of political processes to decide public policy and the distribution of resources within and among communities and nations. Systems of government, and individual behaviors and informal political processes within those systems, are examined using examples from various parts of the world throughout history. In the process, students will begin to explore the major questions of political philosophy, civic leadership, and Christian public ethics.

PSCI 190 American Government

3 hours. The theory and practice of the federal government and the study of key issues in government in general.

PSCI 220 War and Conscience in the United States

3 hours. An exploration of American thought on the subject of war, both today and in past times.

PSCI 240 State and Local Government

3 hours. The origins, evolution, structure, and present functions of state, county, and city government, with particular reference to Oregon. Special attention is given to the rising problems of metropolitan and regional planning.

PSCI 243 Introduction to Public Administration

3 hours. Introduces the theory and practice of managing public agencies with a focus on the unelected leadership of the executive branch in local, state, and federal government. The course examines both external dynamics (including relations with legislatures, elected officials, clients, interest groups, and voters) and internal issues (including budgeting, program management, and organizational theory as applied to nonprofit agencies).

PSCI 253 Introduction to Comparative Government

3 hours. This course introduces students to the field of comparative government and politics through an examination of selected political systems.

PSCI 260 Introduction to Law

3 hours. A general study of the role of law and the legal profession in American life, and a survey of the major topics addressed by the law. Attention also is given to the values promoted by our legal system and the Christian's interaction with it.

PSCI 275 Field Experience

1-3 hours. Supervised experiences in varied political agencies. A maximum of three hours of credit can be gained through one internship. No more than six hours of internship credit will be counted toward major requirements, and of these no more than three hours may be upper-level credit.

PSCI 280 Introduction to Political Philosophy

3 hours. A study of great political thinkers and issues from Socrates to modern times.

PSCI 475 Field Experience

1-3 hours. Supervised experiences in varied political agencies. A maximum of three hours of credit can be gained through one internship. No more than six hours of internship credit will be counted toward major

PSYC 320 Neuroscience

3 hours. Offered 20089. This course provides an overview of the neuropsychological, neuroanatomical, and biochemical basis for mental functions including motor control, object recognition, spatial reasoning, attention, language, memory, and emotion. Methods of neuropsychological research are explored.

PSYC 330 Personality Theories

3 hours. A survey of the major theorists of personality and their theories. Included are psychoanalytic, dispositional, phenomenological, and behavioral theories. An integrative approach will involve synthesizing important elements of theory and Scripture.

Prerequisite: PSYC 150 General Psychology.

PSYC 340 Statistical Procedures

3 hours. Applied statistics for the social and behavioral sciences. Emphasis is placed on statistical logic and decision making.

Prerequisite: high school algebra or equivalent.

PSYC 350 Social Psychology

3 hours. A study of the social and psychological processes of human interaction. Major topics to be covered include conformity, aggression, justification, persuasion, prejudice, attraction, and interpersonal communication.

Prerequisite: PSYC 150 General Psychology.

PSYC 353 Culture and Psychology

3 hours. This course will cover the nature of culture and its applications to understanding human functioning. Students will examine their own and other cultures as a cultural influence on their thought, behavior, and relationships.

Prerequisite: PSYC 150 General Psychology.

PSYC 360 Learning

3 hours. Offered 20090. A survey of learning theories and the basic research questions being asked in the important field. Special emphasis will be placed on translating experimental theory into practical methods.

Prerequisite: PSYC 150 General Psychology.

PSYC 370 Cognition

3 hours. Traditional areas of study in cognitive psychology will be discussed. These areas include attention, memory, reasoning, problem solving, and language. Traditional views as well as current trends will be discussed.

Prerequisite: PSYC 150 General Psychology.

PSYC 381 Counseling

3 hours. A study of theory and technique of professional counseling. The course is designed to teach basic theoretical postulates and to focus on effective intervention skills for those anticipating future work in Christian ministries, teaching, or mental health settings. Recommended as a prerequisite for experience work (PSYC 475). (Identical to CHMN 381.)

Prerequisites: PSYC 150 General Psychology and sophomore status or above.

Recommended: PSYC 330 Personality Theories.

RELI 270 History and Doctrine of _____ (Selected Churches)
3 hours. Offered upon sufficient demand by denominational leaders, who supply the appropriate course descriptions.

RELI 275 Field Experience

1-3 hours. Supervised experience in the discipline including internships and practica required for professional programs. This advanced experience must have a supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course.

Prerequisite: instructor's permission.

RELI 285 Selected Topics

2-3 hours. Occasional special courses chosen to fit the interests and needs of students and faculty.

RELI 300 Christian Foundations

3 hours. Christ-centered believers are united in basic understandings of the Christian faith.

RELI 380 Christian Beliefs

3 hours. As an introduction to Christian theology, this course considers the basic doctrines of the Christian faith and their application to contemporary living.

RELI 385 Quaker Seminar

1 hour. Designed to address topics of interest to Friends and Quaker faith and practice. Topics will vary from semester to semester, and include sacramentality, worship and ministry, peace and social work, evangelism, leadership, decision making, and Christian testimonies.

RELI 399 Cross-Cultural Study

3 hours. This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students utilize disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

RELI 401 Christianity in History I

3 hours. The development of Christianity from its appearance within the Roman world through the medieval period, and its influence as a base for culture in the West. (Identical to HIST 401.)

RELI 402 Christianity in History II

3 hours. Christianity's development from the dawn of the Protestant Reformation through its global spread during the modern era, observing its historical context and relationships to the surrounding cultures. (Identical to HIST 402.)

RELI 430 Sociology of Religion

3 hours. A sociological examination of the meaning

RELI 490 Contemporary Religious Life

3 hours. The movement, trends, and leaders of contemporary Christianity are studied in their social settings. Lectures and readings are chosen to provide tools and methods for thoughtful and continuing interpretation of religious life. This is a senior capstone course, students must be juniors or seniors.

SOCI 399 Cross-Cultural Study

3 hours. This course offers depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

SOCI 410 Juvenile Delinquency

3 hours. A study of the causes and nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs.

Prerequisite: SOCI 150 Principles of Sociology or instructor's permission.

SOCI 430 Sociology of Religion

3 hours. A sociological examination of the meaning and function of religion in human society. Gives attention to the development of religious organization, the relationship of religion to class and politics, the nature of the sacred, dimensions of religiosity, and denominational diversity in the United States. (Identical to REL 430.)

SOCI 475 Internship

3-6 hours. Supervised experiences in private and public social agencies. Students may opt for 3 hours of SOCI 475 Internship as part of concentration, or 3 hours of SOCI 475 Internship as an elective in the major.

Prerequisites: upper-division majors and by permission.

SOCI 480 Senior Research Project

1-3 hours. For sociology majors only, this course requires students to complete a project. With an expectation of a literature review, data collection and analysis, students will produce a piece of original research that is worthy of publication and/or presentation.

Prerequisite: SOCI 390 Research Methods.

SOCI 485 Selected Topics

1-3 hours. A special interest course that addresses current topics in the field of sociology. Course offerings depend on current faculty competencies and student interest. Previous offerings have included a Christian response to the contemporary family, criminal justice, cross-cultural education, death and dying, Native American cultures, sociology of religion, sociology of adolescence, and sociology of literature.

Prerequisites: SOCI 150 Principles of Sociology and upper-division majors.

SOCI 495 Special Study

1-3 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided, and regular reading reports and conferences are scheduled.

Prerequisites: upper-division majors and by permission.

Spanish

Note: Placement tests generally required of all students prior to registration for their first Spanish course at George Fox University. Placement exams are typically administered during orientation.

SPAN 101 Introductory Spanish I

4 hours. An integrated introductory study of Spanish. Listening, speaking, reading, and writing are all integral to learning the language. Cultural aspects of Spain and Latin America are also presented as essential components. Three class sessions and one laboratory per week.

Prerequisite: placement exam required.

SPAN 102 Introductory Spanish II

4 hours. An integrated introductory study of Spanish. Listening, speaking, reading, and writing are all integral to learning the language. Cultural aspects of Spain and Latin America are also presented as essential components. At the end of SPAN 102, students should have novice high proficiency as defined by the American Council of the Teaching of Foreign Languages (ACTFL). Three class sessions and one laboratory per week.

Prerequisite: SPAN 101 Introductory Spanish I or placement by exam.

SPAN 201 Intermediate Spanish I

4 hours. A proficiency-centered approach to the study of Spanish, with emphasis on oral communication. Three class sessions and one laboratory per week.

Prerequisite: placement by exam.

SPAN 201 Intermediate Spanish I

4 hours. A proficiency-centered approach to the study of Spanish, with emphasis on oral communication.

SPAN 302 Intermediate/Advanced Spanish II

4 hours. A thorough review of Spanish to develop intermediate high proficiency, as defined by ACTFL. Activities include reading authentic texts, writing in a variety of styles, and strategies for communication. Three class sessions and one laboratory per week.

Prerequisite: SPAN 301 Intermediate/Advanced Spanish I or placement by exam.

SPAN 340 Spanish Culture and Civilization

3 hours. An introduction to the cultures and traditions of the Iberian Peninsula. Students continue to develop skills toward advanced proficiency, as defined by ACTFL. Activities include reading authentic and listening to native speakers. Areas of study may include history, art, music, and the role of governmental systems, and gender differences. Taught in Spanish.

Corequisite: SPAN 301 Intermediate/Advanced Spanish I or instructor's permission.

SPAN 350 Latin American Culture and Civilization

3 hours. An introduction to the cultures and traditions of Latin America. Students continue to develop skills toward advanced proficiency, as defined by ACTFL. Activities include reading authentic texts, field trips, and listening to native speakers. Areas of study may include history, art, music, and the role of governmental systems, and gender differences. Taught in Spanish.

Corequisite/Prerequisite: SPAN 302 Intermediate/Advanced Spanish II or concurrent enrollment in SPAN 302 Intermediate/Advanced Spanish II or instructor's permission.

SPAN 99 Cross-Cultural Study

3 hours. This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by trips to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

SPAN 410 Introduction to Spanish Literature

3 hours. A one-semester introduction to Spanish peninsular literature. This course introduces students to selected masters and periods of Spanish literature and reflects on matters of faith as revealed in the pieces studied. Students continue to develop skills toward advanced proficiency, as defined by ACTFL. Taught in Spanish.

Prerequisite: SPAN 302 Intermediate/Advanced Spanish II or instructor's permission.

SPAN 420 Introduction to Latin American Literature

3 hours. This course introduces students to selected masters and periods of Latin American literature and reflects on matters of faith as revealed in the pieces studied. Students continue to develop skills toward advanced proficiency, as defined by ACTFL. Taught in Spanish.

Prerequisite: SPAN 302 Intermediate/Advanced Spanish II or equivalent.

SPAN 475 Field Experience

1-10 hours. Supervised experience in a situation demanding extensive use of Spanish. Admission and credit hours determined by instructor.

SPAN 480 Senior Capstone

3 hours. This course synthesizes all the student's skills in Spanish. It includes a portfolio of written work, journal kept while abroad and reflection paper completed upon return to U.S., an oral proficiency interview, and a service-learning project. Meetings with professor on integration of faith and learning. Preferably taken after semester abroad.

SWRK 393 Social Work Practice III

3 hours. An overview of generalist social work methods with organizations and communities. Attention is given to assessment, planning, implementation, and evaluation systems. A prerequisite for SWRK 477 Field Experience/Practicum III. Required for majors. This class is open to declared social work majors only.

Prerequisite: SWRK 392 Social Work Practice II.

SWRK 399 Cross-Cultural Study *3 hours.* This course offers depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The class meetings in the spring followed by travel to various locations throughout the world in May. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Offered at the discretion of the department. Upper division students, by permission. Additional course fee is required.

SWRK 400 Social Work with Children

3 hours. Basic principles of child welfare, with emphasis upon the services for families and children need various types of support. Focus is on developing a knowledge and understanding of child welfare and supportive services.

Prerequisite: SWRK 180 Introduction to Social Welfare or instructor's permission.

SWRK 460 Social Policy

3 hours. This course provides depth analysis of how human needs and values are translated into social policy on community, national and international levels. Special attention is given to the ways in which values and power interests influence the creation of social policy. Emphasis is placed on the history of welfare and related policies, the process of policy formation and analysis, and impact of policy on at

Theatre

THEA 100 Acting Ñ Fundamentals

3 hours. Study of basic principles of acting, including survey of acting theories, performance of scenes, and critical observation and analysis of productions. ~~Requires additional out-of-class time for rehearsal and performance of selected material.~~

THEA 125 A Theatre Laboratory Ñ Acting

1-3 hours. The practical application of acting techniques in connection with university theatre productions. Open to any student taking part in a university theatre production. May be repeated for credit.

THEA 420 Theatre Management

3 hours. Offered 2009. This course introduces students to the diverse issues involved in managing a theatre company. It includes an examination of marketing and promotions, financial management, and organizational structures of various types of theatres, with special emphasis on management. Students will be able to apply learned principles to projects and presentations.

Prerequisite: THEA 130 Stagecraft or instructor's permission.

THEA 430 Scene Design

3 hours. An introductory study of the theories and skills of stage design with an emphasis on script analysis and good visual research. Assignments will guide the student to learning the practices of drafting, perspective drawing, watercolor painting and model building. Students will apply these learned techniques and research skills to several projects. Additional course fee is required.

Prerequisite: THEA 130 Stagecraft or instructor's permission.

WRIT 370 Writing Poetry

3 hours. A workshop approach to writing poetry. Students write and publish original works.
Prerequisite: WRIT 110 College Writing or equivalent, or instructor's permission.

WRIT 399 Cross-Cultural Study

3 hours. This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in Fall. Students must meet eligibility requirements.)
Additional course fee is required.

WRIT 475 Field Experience

1-3 hours. Supervised experience in the discipline including internships and practica required for professional programs. This introductory experience must have a supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course.
Prerequisite: instructor's permission.

WRIT 485 Selected Topics

3 hours. Occasional special courses created to fit the needs and interests of faculty, visiting professors, and students.

WRIT 495 Special Study

1-3 hours. Individualized study related to the student's needs and interests. Open to exceptional students at the discretion of the faculty.

At its discretion, George Fox University may provide "directory information" in accordance with the provisions of the Act. Directory information is defined as that information which would not generally be considered harmful or an invasion of privacy if disclosed. The university considers the following information to be "directory information": parents' names and addresses; the student's name, permanent address, address, temporary address, telephone number, date and place of birth, participation in officially recognized activities and sports, major, dates of attendance and full-time status, degrees and awards received, class year, the most recent previous school attended, and for members of athletics teams, height, weight, and position played. The university also considers photographs to be directory information. As such, release of photographs also is permitted.

Students may restrict the release of their directory information to third parties by annually submitting a signed and dated statement to the registrar's office within the first two weeks of the semester. Otherwise, all photographs and information listed above are considered as "directory information" according to federal law. Nondirectory information, notably grade records, is released only on a written request of the student, or otherwise required by law (e.g., subpoena).

The law provides students the right to inspect and review information contained in their education records to challenge the contents of their education records, a hearing if the outcome of the challenge is unsatisfactory, and to submit explanatory statements for inclusion in their files if they feel the hearing panel's decisions are unacceptable. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

The registrar's office at George Fox University has been designated by the institution to coordinate the inspection and review of procedures for student education records, which include personal, and academic files, and academic, cooperative education, disciplinary records, and placement records. Students wishing to review their education records must give a written request to the registrar listing the item of interest. Only records covered in the Act are made available within 45 days of the request. Education records do not include student health records, employment records, alumni records, or records of instructional, administrative, and educational personnel that are in the possession of the maker and are not accessible or revealed to any individual except a temporary substitute. Health records, however, may be reviewed by physicians of the student's choosing.

Students may not inspect and review the following information under the Act: financial information submitted by their parents; confidential letters and recommendations associated with admission, employment, or placement, or honors to which they have waived their rights of inspection and review; records containing information about more than one student, in which case the institution permits access only to that part of the record that pertains to the inquiring student.

Complaints of Alleged Violations

Complaints of alleged violations may be addressed to:

Family Policy Compliance Office
US Department of Education
400 Maryland Avenue, SW
Washington, DC 20201

Complaints must:

- ¥ Be timely submitted, not later than 180 days from the date you learned of the circumstances of the alleged violation

¥

Anti-Harassment Policy

2. If the alleged incident involves a student and a faculty member, the academic dean, the provost, or the vice president for student life should be contacted.
3. If the alleged incident involves one or more support staff, administrators, faculty members, or student employees, then a supervisor, the director of human resources, the provost, or any vice president should be contacted.

Complaints are to be investigated promptly and appropriate corrective action taken. No one will suffer retaliation for reporting concerns about discrimination or harassment.

Retaliation is prohibited for good reporting of concerns about discrimination or harassment. Employees who are asked to testify during an investigation are expected to cooperate fully. Retaliation against them for doing so is not tolerated. Any employee found to have engaged in discrimination, harassment, or retaliation is subject to immediate disciplinary action as appropriate by the university, up to and including termination.

Academic Personnel

These lists were current at the time this catalog was published.

Board of Trustees

This list includes the board, ex officio and honorary trustees.

Patricia S. Anden, Phoenix, Arizona, University Provost (retired)

Judy A. Miller, Tigard, Oregon, Partner, PJ Land Company

Robert G. Monroe, Portland, Oregon, Consulting Engineer (retired)

Stanley D. Morse, Star, Idaho, Senior Chemist, Packard

Charles E. Mylander, Brea, California, Executive Director, Evangelical Friends Mission

Jackson H. Newell, Boise, Idaho, Partner, Baxterwell Insurance Services

Barbara D. Palmer, Newberg, Oregon, Senior Vice President and Market Executive, U.S. Trust.

Victor A. Peterson, Hayden Lake, Idaho, Assistant Principal (retired)

Dave Schmidt, Mill Creek, Washington, President, Schmidt Resources, Inc.

Truman A. Stone, Dundee, Oregon, Attorney, Brown, Tarlow, Bridges, and Palmer

Stephen M. Tatone, Canby, Oregon, President and CEO, Aldrich Kilbride & Tatone LLC

Kent L. Thornburg, Portland, Oregon, University Professor of Medicine (Cardiology), Oregon Health & Science University, School of Medicine

Nancy A. Wilhite, Eugene, Oregon, Homemaker

William B. Wilson, Longview, Washington, Personal Financial Consultant

Dave Woolsey, Newberg, Oregon, Ow(n)40(c)-321250(d)40()-0()-25(F)4(s)-20(i)-21()-25(O)-2(l)-10

Dealous L. Cox, West Linn, Oregon, Business Owner, Wilhelm Foods

Richard D. Evans, Happy Valley, Oregon, Real Estate

C. W. (Bill) Field Jr., Vancouver, Washington, Gas Company Executive (retired)

Mark O. Hatfield, Portland, Oregon, United States Senator (retired)

Paul L. Hathaway Jr., Hillsboro, Oregon, Gas Company Executive (retired)

Donald D. Lamm, Newberg, Oregon, Minister (retired)

John R. Lemmons, Kelso, Washington, Lumber Company Executive

Margaret E. Lemmons, Newberg, Oregon, Educator (retired)

Donald McNichols, Stanwood, Washington, University Professor (retired)

Jack E. Meadows, Fayetteville, Arkansas, Investments

Roger M. Minthorne, Newberg, Oregon, Investments Manager

Wayne E. Roberts, Newberg, Oregon, Physician (retired)

Floyd H. Watson, Newberg, Oregon, Bank Executive (retired)

Dale E. Seip, Jr., MEd, Vice President for Enrollment Services

Gregory H. Smith, MS, Chief Technology Officer

Rob Westervelt, MA, Vice President for Marketing Communications

Faculty

Adams, Wayne, Professor of Psychology, Director of the Graduate Department of Psychology, Houghton College; MA, PhD, Syracuse University. George Fox University 1999

Addleman, Rebecca, Assistant Professor of Education. BA, Cornerstone University; MS, University of New England; EdD, Seattle Pacific University. George Fox University 2006

Allen, Greg, Assistant Professor of Professional Studies. BS, MBA, George Fox University. George Fox University 2005

Anderson, Paul, Professor of Biblical and Quaker Studies. BA, Malone College; BA, Trinity Lutheran Seminary; MDiv, Earlham School of Religion; PhD, Glasgow University. George Fox University 1989, 1999

Ankeny, Becky, Professor of English. BA, George Fox University; MA, PhD, University of Oregon. George Fox University 1988

Ashford, Robin, Assistant Librarian, Reference and Systems. BA, George Fox University; MLS, University of Illinois at Urbana-Champaign. George Fox University 2007

Badley, Ken, Associate Professor of Education. BA, University of Saskatchewan; BEd, MEd, University of Regina; MCS, Regent College; PhD, University of British Columbia.

Barram, Dirk, Professor of Business, Interim Dean, School of Management, Director of the Undergraduate

Campbell, Doug, Professor of Art, Director of the ~~Robert~~ ~~Minthorne~~ ~~Gallery~~. BA, Florida State

Gorlorwulu, John, Assistant Professor of Economics. BS, Cuttington University College; MRP, PhD Cornell University. George Fox University 2007

Gouverneur, Marisabel, Assistant Professor of Nursing. BSN, St. Louis University; MSN, MPH, Emory University. George Fox University 2007

Gowan, Marcella, Assistant Professor of Nursing. BSN, Walla Walla College; MPH, Loma Linda University. George Fox University 2007

Graham, Jeannine, Associate Professor of Religious Studies. BA, Whitworth College; MDiv, Fuller Theological Seminary; PhD, University of Aberdeen. George Fox University 2006

Grant, Steve, Associate Professor of Health and Human Performance, Chairperson of the Health and Human Performance Department, Master Coach of Volleyball. BA, Biola University; MEd, Linfield College. George Fox University 1982

Griffith, Paul, Instructor of Education. BS, MEd, University of Georgia. George Fox University 2005

Hagen, Carla, Assistant Professor of Nursing. BS, Eastern Oregon State College; BSN, MPH, Oregon Health Sciences University. George Fox University 2006

Hall, Mark, Herbert Hoover Distinguished Professor of Political Science. BA, Washington College; MA, PhD, University of Virginia. George Fox University 2001

Hamilton, Robert, Associate Professor of Physics. BS, University of Puget Sound; PhD, University of California, Los Angeles. George Fox University 2003

Hansen, David, Associate Professor of Computer Science. BS, Oral Roberts University; MS, Washington State University; PhD, Oregon Graduate Institute of Science and Technology. George Fox University 1998, 2003

Harder, Bob, Professor of Mechanical Engineering, Director of Program, Chairperson of the Math, Computer Science, and Engineering Department. BSME, MSME, Michigan Technological University; PhD, Oregon Graduate Institute of Science and Technology. George Fox University 1998

Harrison, Suzanne, Assistant Professor of Education. BA, MEd, Central Washington University; PhD, Gonzaga University. George Fox University 2004

Hatfield, Mark, Distinguished Professor of Politics. BA, Willamette University; MA, Stanford University. George Fox University 1997

Head, Tom, Professor of Economics, Chair of the International Studies Program. BS, MS, University of

Helsabeck, Hank, Dean of the School of Arts and Sciences. BA, Culver Stockton College; MA, MA, Ph.D., University of Missouri. George Fox University 1978

Higgins, Ed, Professor of Writing/Literature. BA, LaVerne College; MA, Santa Clara College at Fullerton; PhD, Union Graduate School. George Fox University 1971

Hockett, Eloise, Assistant Professor of Education, Director of TSPC Licensure. BAA, BM, University of Minnesota; MEd, George Fox University. George Fox University 2001

Huffman, Terry, Professor of Education. BA, University of South Dakota; MA, Marshal University; PhD, Iowa State University. George Fox University 2003

Hulbert, Melanie, Assistant Professor of Sociology. BA, Western Washington University; MA, PhD, University at Albany, State University of New York. George Fox University 2003

Hunter, Marty, Associate Professor in Health and Human Performance; Head Coach, Baseball. BA, Linfield College; Med, Linfield College. George Fox University, 2003

Iancu, Martha, Associate Professor of English as a Second Language, Director of the English Language Institute. BA, MA, University of Oregon. George Fox University 1989

Irish, Kerry, Professor of History. BA, George Fox University; MA, PhD, University of Washington. George Fox University 1993

Irons, Kendra, Associate Professor of Religious Studies. BA, Friends University; MA, Asbury Theological Seminary; PhD, Baylor University. George Fox University 2003

Isaak, Dale, Assistant Professor of Health and Human Performance/Athletic Trainer. BS, Willamette University; MEd, University of Minnesota; MS, Indiana State University. George Fox University 1999

Jaffe, Ciella, Professor of Communication Arts, Chairperson of the Department of Communication Arts. BA, Seattle Pacific University; MEd, PhD, Oregon State University. George Fox University 1995

Johnson, Craig, Professor of Leadership Studies, Director Doctor of Management Program. BA, Luther College; MA, Wheaton College; PhD, University of Denver. George Fox University 1989

Johnson, John, Associate Professor of Mathematics. BS, Northwest Nazarene College; MS, Kansas State University. George Fox University 1984

Johnson, Lionel, Assistant Professor of Education. BA, California State University, Los Angeles; MA, University of Oregon. George Fox University 2003

Johnson, Mary, Instructor of Education. BA, Luther College; MEd, George Fox University. George Fox University 2004

Johnson, Merrill, University Librarian, Associate Professor. BA, Seattle Pacific University; MLS, University of Oregon. George Fox University 1980

Jolliff, Bill, Professor of Writing/Literature, Chairperson of the Department of Writing/Literature. BS, Central Michigan University; MA, Ashland Theological Seminary; PhD, The Ohio State University. George Fox University 1994

Jones, Kevin, Associate Professor of Organizational Communication, Director of Forensics. BA, Biola University; MA, California State University; PhD, Louisiana State University. George Fox University 2008

Kamilos, Charles, Portland Center Librarian, Assistant Professor. BA, Northwest Christian College; MDiv, Brite Divinity School; Texas Christian University; MA, University of Iowa. George Fox University 1997

Kays, Kristina, Assistant Professor of Psychology. BA, George Fox University; MA, Western Conservative Baptist Seminary; PsyD, George Fox University. George Fox University 2005

Keeney, Judy, Instructor of Education, Director of the Master of Education Program. BA, MA, University of Oregon. George Fox University 2004

Kerr, David, Assistant Professor of Art. BA, Judson Baptist College; MA, California State University. George Fox University 2002

Kilburg, Gary, Professor of Education. BS, Eastern Oregon State College; PhD, Oregon State University. George Fox University 1992

Kimbelly, Dwight, Associate Professor of Biology. BA, George Fox University; MS, Oregon State University. George Fox University 1994

King, Esther, Professor of Nursing. BSN, MSN, Oregon Health Sciences University. George Fox University 2006

Kluge, Alan, Professor of Business, MBA Oregon Director. BS, MBA, PhD, Oregon State University. George Fox University 1996

Koch, Chris, Associate Professor of Psychology, National Psi Chi President. BS, Pennsylvania State University; MS, PhD, University of Georgia. George Fox University 1993

La Force, Beth, Professor of Education, Interim Department Chair. BS, Malone College; MA, Western Michigan University; PhD, Michigan State University. George Fox University 1987

Larson, Dave, Instructor of Education. BA, Western University; MS, Portland State University. George Fox University 2004

Lloyd, Carl, Professor of Management. BA, Columbia Christian College; MA, Eastern New Mexico University; MS, Oregon State University; MSS.W., PhD, University of Texas at Arlington. George Fox University 1994

Lloyd, Melva, Assistant Professor of Professional Studies, Director of School of Professional Studies programs in Portland. BA, George Fox University; MS, Portland State University. George Fox University 2004

Luedtke, Rhett, Assistant Professor of Theatre. BA, Valparaiso University; MFA, Illinois State University. George Fox University 2003

Lutz, Amy, Assistant Professor of Education. BA, Grand Valley State University; MA, George Fox University. George Fox University 2008

Macy, Edward, Professor of Religion and Biblical Studies. BA, George Fox University; MA, Earlham School of Religion; PhD, Harvard University. George Fox University 1990

Macy, Margi, Associate Professor of Education. BA, George Fox University; MEd, Wichita State University, PhD, Walden University. George Fox University 1991

Magill, Mike, Professor of Mechanical Engineering. BS, MS, PhD, Oklahoma State University. George Fox University 2002

Manock, David, Associate Professor of Counseling. BS, Western City MDiv, San Francisco Theological Seminary; MS, PhD, Fuller Theological Seminary. George Fox University 2006

McCloskey, MaryJo, Head Women's Golf Coach, Assistant Professor. BA, University of Oregon; MBA, University of Portland. George Fox University 2006

McLeod-Harrison, Mark, Professor of Philosophy. BRE, Briercrest Bible College; BA, Westmont College; MA, Trinity Evangelical Divinity School; PhD, University of California. George Fox University 1999

McMinn, Lisa, Professor of Sociology. BA, Pacific College; MS, PhD, Portland State University. George Fox University 2006

McMinn, Mark, Professor of Psychology. BS, Lewis and Clark College; PhD Vanderbilt University. George Fox University 1993, 2006

Meade, Christopher P., Assistant Professor of Management, Coordinator of Community Service Consulting Projects. BA, MAOL, George Fox University; MA Northwest Nazarene University; PhD, University of Idaho. George Fox University 2008

Melendy, Robert, Assistant Professor of Mathematics. BS, Oregon State University (Mechanical Engineering); MS, Oregon State University (Mechanical Engineering); MS, Oregon State University (Electrical Engineering); PhD, Oregon State University (Mathematics and Mathematics Education). George Fox University 2006

Meyer, David, Associate Professor of Political Science. PhD, Columbia University. George Fox University 2008

Meyer, Matt, Assistant Professor of Media Communications. BA, University of Oregon's Honor College; MA, University of Southern California. George Fox University 2005

Michael, Rand, Associate Professor of Marriage and Family Therapy, Clinical Director of Marriage and Family Therapy. BA, Northwest Nazarene College; MDiv, Nazarene Theological Seminary; DMin, Midwestern Baptist Theological Seminary. George Fox University 1996

Mitchell, Ron, Director of Nursing. BS, Walla Walla College; MS, California State University, Fresno; PhD, University of Utah, Salt Lake City. George Fox University 2004

Mize, Darcy, Assistant Professor of Nursing. BS, Michigan State University; MA, University of Illinois. George Fox University 2008

Mock, Melanie, Associate Professor of Writing/Literature. BA, George Fox University; MA, University of Missouri; PhD, Oklahoma State University. George Fox University 1999

Mock, Ron, Associate Professor of Peace Studies and Political Science, Director of University Scholars Program. BA, George Fox University; M.P.A., Drake University; JD, University of Michigan. George Fox University 1985

Molitor, Kristina, Assistant Professor of Education. BA, Western Montana College; MA, University of Portland. George Fox University 2008

Moore, Terah, Assistant Professor of Education. BA, Idaho State University, MA, Boise State University. George Fox University 2007

Morse, Mary Kate, George Fox University

Moore, Terah, Assistant Professor of Education. BA, Idaho State University, MA, Boise State University. George Fox University 2007

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O'Donnell, Sue, Assistant Professor of Psychology, PhD, University of Minnesota. George Fox University 2001

Olson, Mary, Assistant Professor of Management, Interim Director, Director of the M.A. in Business, SPS

Russell, Amber, Director of the MBA Professional Track. MS, Oregon State University. George Fox University 2006

Samek, Linda, Dean of the School of Education. BA, Oregon State University; MA, Portland State University; EdD, Portland State University. George Fox University 2008

Schmitt, John, Assistant Professor of Biology. BS, Pacific University; PhD, Oregon Health and Science University. George Fox University 2005

Selid, Mark, Associate Professor of Business Economics. BA, Pacific Lutheran University; MT, Portland State University. CPA George Fox University 1993

Sepich, Debora, Assistant Professor of Management and Marketing. BS, MBA, George Fox University George Fox University 2005

Shaw, Richard, Associate Professor of Marriage and Family Therapy. BS, University of Nebraska at Kearney; MA, Asbury Theological Seminary; DMFT, Fuller Theological Seminary. George Fox University 1996

Shelton, Larry, Richard B. Parker Professor of Wesleyan Theology. BA, Pacific College; MDiv, ThM, Asbury Theological Seminary; Th.D., Fuller Theological Seminary. George Fox-University 1996

Shelton, Marc, Associate Professor of Education. BS, MA, EdD, University of South Dakota. George Fox University 2000

Shenk, Byron, Professor of Health and Human Performance. BA, Goshen College; MA, University of Oregon; EdD, University of Virginia. George Fox University 1990

Sikkema, Seth, Assistant Professor of Management; BS, George Fox University; MBA, Boise State University. George Fox University, 2007

Simmons, Laura, Assistant Professor of Christian Ministries. BA, University of California, Davis; MA, PhD, Fuller Theological Seminary. George Fox University 2001

Simpson, Robert, Assistant Professor of School Psychology, Director of School Psychology. BA, MA, San Jose State University; PhD, California School of Professional Psychology in San Francisco George Fox University 2005

Sims, Kathleen, Professor of Nursing. BS, University of Oregon; MS, Oregon Health and Science University; MS, PsyD, George Fox University. George Fox University 2005

Sjogren, Anne, Assistant Professor of Education. BA, Westmont College; MA, University of Minnesota George Fox University 2008

Smith, John, Head Cross Country and Track & Field Coach. BS, George Fox University; MA, United States Sports Academy. George Fox University 2006

Smith, Lauri, Assistant Professor of Family and Consumer Sciences. BA, George Fox University . George Fox University 2007

Smith, Phil, Professor of Philosophy, Chair of the Department of Religious Studies. BA, George Fox University; MA, Fuller Theological Seminary; PhD, University of Oregon. George Fox University 1982

Spivey, Gary, Associate Professor of Electrical Engineering. BSEE, University of Arizona; MSE, University of Maryland. George Fox University 2003

Stansell, Ron, Professor of Religion. BA, George Fox University; MDiv, Western Evangelical Seminary; DMiss, Trinity Evangelical Divinity School. George Fox University 1985

Steele, Jim, Assistant Professor of Management, Director of Professional MBA Program. BA, Trinity Lutheran College; MA, Marylhurst University; EdD, George Fox University. George Fox University 2006

Strom, Bruce, Associate Professor of Organizational Leadership (Boies), Director of the Center for Entrepreneurial de Costa Rica. George Fox University, 2007

Sundquist, Mark, Assistant Professor of Health and Human Performance, Head Coach of Men's Basketball. BA, Seattle Pacific University; MS, Portland State University. George Fox University 2000

Sweeney, Daniel, Professor of Counseling. BA, San Jose State University; BA, San Jose Bible College; Azusa Pacific University; PhD, University of North Texas. George Fox University 1996

Taylor, Craig, Associate Professor of Health and Human Performance, Director of Athletics. BS, George Fox University; MEd, Linfield College. George Fox University, 1997

Terry, Mark, Assistant Professor of Art. BS, Willamette University; MS, Western Oregon State University. George Fox University 1997

Thurston, Nancy, Professor of Psychology. BA, Hope College; MA, PhD, Central Michigan University. George Fox University 1999

Timmerman, Tim, Associate Professor of Art, Chairperson of the Department of Visual Arts. BA, Biola University; MFA, Washington State University. George Fox University 2003

Todd, D. Elizabeth, Assistant Professor of English as a Second Language. BA, George Fox University; Oregon State University. George Fox University 2002

Tsohantaridis, Tim, Associate Professor of Religion, BA, Biola College; MA, Ashland Theological Seminary; PhD, University of Athens. George Fox University, 1995

Tyhurst, Janis, Associate Librarian, Assistant Professor. BA, University of California, Irvine; MLS, University of California, Los Angeles; MBA, George Fox University. George Fox University 1998

Vandehey, Patrick, Assistant Professor of Music, Instrumental Music Director. BM, University of Washington; BA, University of Washington; MS, Portland State University. George Fox University 2003

Vanderhoek, Jeff, Assistant Professor, Director of MBA Executive Track Program. BA, George Fox College; MA, Azusa Pacific University. George Fox University 2007

Vargason, Jeff, Assistant Professor of Chemistry. BS, Evangel University; PhD, Oregon State University
George Fox University 2006

Weaver, Brent, Associate Professor of Music. BA, Goshen College; MM, DMA, University of Oregon.
George Fox University 2001

Weber, Larry, Assistant Professor of Education. BS, MS, Portland State University. George Fox University

Orkney, G. Dale, Professor Emeritus of Biology. BA, Northwest Nazarene University; MS and PhD, University of Idaho. George Fox University, 2002.

Schroeder, Mel L., Associate Professor Emeritus of Drama. BA, Northwest Nazarene University; MA, San Jose State University. George Fox University, 1982.

Stiefel, Al, Professor Emeritus of Counseling. BA, Eastern Nazarene College; BD, Nazarene Theological Seminary; STM, Boston University School of Theology; PhD, Boston University.

Academic Calendar 2008-2009

Fall Semester

Fall Enrollment Confirmation (Traditional Undergraduates).....	August 29, 2008
Fall Semester Begins.....	September 1, 2008
Last Day to make online registration changes.....	5 p.m., September 3, 2008
Registration Changes through Registrar's Office, late registration for classes.....	September 4, 2008
Last Day to register for a class as a non-disruptive student (Traditional Undergraduates).....	September 5, 2008
Add/Drop 75% removal of tuition start date (Graduate Students).....	5 p.m., September 5, 2008
Serve Day.....	September 12, 2008
Last Day to Change Registration (Add/Drop).....	5 p.m., September 12, 2008
Withdraw 25% removal of tuition start date (Graduate Students).....	5 p.m., September 12, 2008
Time Period to Exercise Pass/No Pass Option.....	September 15-26, 2008
Withdraw 0% removal of tuition start date (Graduate Students).....	5 p.m., September 19, 2008
SPS Portfolio due in order to participate in December commencement (Portland/Salem).....	September 15, 2008
Last Doctoral dissertation signed approval sheet due.....	5 p.m., December 20, 2008

Study Day (Traditional Undergraduates)

May Term

May Term Begins..... May 4 2009
Last Day to Change May Registration (Add/Drop)..... May 5 2009
Last Day to Withdraw from May Term Class Without Responsibility..... May 7 2009
May Term Ends..... May 22, 2009
May Term Final Grade Entry Deadline..... 5 p.m., June 5, 2009

Summer Semester

Summer Semester..... May 4 2009
Memorial Day Holiday..... May 25 2009
Last Day to make online registration changes..... 5 p.m., May 8 2009
Registration Changes must go through Registrar's Office, late registration change fee assessed starting May 8 2009
Last Day to register for a class as a non-scholarship student (Traditional Undergraduate)..... 5 p.m., May 8 2009
Add/Drop 75% removal of tuition start date (Graduate Students)..... 5 p.m., May 8 2009
Last Day to Change Registration (Add/Drop)..... 5 p.m., May 15 2009
Withdraw 25% removal of tuition start date (Graduate Students)..... 5 p.m., May 15 2009
Withdraw 0% removal of tuition start date (Graduate Students)..... 5 p.m., May 22 2009
Independence Day Holiday..... July 4, 2009
Last Day to Withdraw from Class without Grade Responsibility..... July 10 2009
Summer Semester Ends