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At George Fox, learning is our central activity. You will be encouraged here to pursue activities that facilitate your learning process. You also will be helped to define and achieve your goals and calling.

Our goal is to help all students find coherence in their learning. We are part of a society that encourages fragmentation in our lives. At George Fox we believe the person and work of Jesus Christ is a powerful and effective integrating factor. All aspects of the university work together to bring coherence to Christian faith and learning. Our faculty, staff and administrators are committed to this. They are ready to be your friends, teachers, role models, and mentors.

George Fox provides strong academic programs that include opportunities for experiential learning, internships, practica, and co-curricular activities that give opportunity for leadership and skill development.

George Fox University is committed to pursuing high quality in all its programs. The quality of a George Fox education is validated in several ways by those outside the university:

- U.S. News and World Report for 15 years has named George Fox as an outstanding university, ranked in the top tier in its category as "One of America's Best Colleges.
- George Fox is one of 20 colleges and universities in the United States named to receive double honors by the John Templeton Foundation: The university is one of 100 selected for its Honor Roll for Character-Building Colleges, and the president is one of 50 recognized for outstanding presidential leadership.
- Former U.S. Senator Mark Hatfield, George Fox's Herbert Hoover Distinguished Professor, says there's a special character about George Fox. "You know there is something different about this university the moment you walk on this campus. The atmosphere is in sharp contrast to the many factory-like, decentralized, impersonal schools.

George Fox is an exciting place with new programs and campus expansion under way to serve our students even better. I encourage you to consider whether George Fox University is where God is directing you to continue your learning.

H. David Brandt, President
George Fox University



Student Outcomes

involving students of varied preparedness, motivation, and discipline, there will be differences in outcomes. Education is realistic and idealistic. It reaches beyond the average, the assured, and the guaranteed. University objectives -- indeed the entire catalog -- may be seen as sincere intention to provide an educational program of high quality. Accountability to students is fulfilled by providing qualified teachers, a community with Christian values, and the historical continuity of a Quaker university. The opportunity for personal growth and development is here, yet student initiative and responsibility are vital. The catalog is not an unconditional contract.

Accreditation and Memberships

Locations

at a number of locations in the Pacific Northwest, including its Portland Center, Salem Center, Boise (Idaho) Center, and teaching sites in other Oregon communities. Its residential undergraduate campus is in Newberg, Ore., in the lower Willamette Valley, on a 77-acre tree-shaded campus in a residential neighborhood. This area offers a variety to meet most interests. Newberg is a friendly community close (23 miles) to a major metropolitan environment of 1.9 million people. It is located in the beauty of the Pacific Northwest, with nearby mountain ranges for skiing and easy access to rugged coastal beaches just an hour away.

Oregon - 97,060 square miles of variety - stretches from the Pacific Coast, over the Coast Range, through the fertile Willamette Valley, past the snowcapped Cascades, and into the high desert country of central and eastern Oregon. More than half of the student body call Oregon home. Others come to school in Oregon and decide to make it their new home - despite the fabled rain. Yes, there is rain, and sometimes it falls hard in the valley between the mountain ranges where George Fox University is located. But it is the rain that makes Oregon green and gives it natural beauty. Umbrellas and raincoats do come in handy during the winter months, but when the sun comes out, Oregon is spectacular -- and it's worth the wait. Just ask the visitors who make tourism one of the state's largest industries, along with high technology, forest products, and agriculture.

Just a half-hour drive from the campus, metropolitan Portland is George Fox's big-city neighbor. In 2000, Portland topped Money magazine's list of "Best Places to Live in the U.S." Oregon's largest city, Portland offers its Old Town district, the Tom McCall Waterfront Park, numerous art galleries and museums, a number of theater groups and jazz clubs, and a world-class symphony, ballet, and opera. Other attractions include the Oregon Zoo, the Japanese Garden, the International Rose Test Gardens, and the Oregon Museum of Science and Industry. Every June the city holds its Rose Festival, with three parades, a coronation, and 25 days of festival events.

For those who love the outdoors, Portland has 9,400 acres of parks, including Mill Ends Park, the smallest in the world, and Forest Park, the largest urban wilderness. And George Fox students can join in the enthusiasm of cheering for the Portland Trail Blazers NBA team, the Portland Winter Hawks WHL ice hockey squad, and the Portland Beavers Triple-A minor league baseball team.

Despite the numerous Portland advantages, many students prefer the small-town flavor of Newberg. Located on the Willamette River, Newberg has a population of 19,500, 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.

Newberg Campus Facilities

, the George Fox Newberg campus borders Hess Creek canyon, with a natural setting of tall trees, ferns, and wildflowers. The spacious campus has been developed in recent years according to a master plan featuring a campus academic quadrangle; a recreational section with sports center, track complex, and athletics fields; and a living area with major residence halls. Following is a list of facilities corresponding to the [campus map](#):

, a Newberg historic building, was constructed in 1923 and purchased by the University in 1995. Located at 215 North Center Street, it houses offices for the Office of University Advancement.

The is a former residence at East North and North Center streets. It houses graphic design faculty, senior studio art studios, and the Fox Agency, a group of advanced art students who do graphic design.

The opened in the fall of 1982 as the final phase of the Milo C. Ross Center. It seats 1,150 persons in a facility that is among the finest in

, built in 1964 and remodeled in 1997, is the combination of three hexagon modules providing classrooms, offices for education and family and consumer sciences faculty, and Calder Lecture Hall, which seats 165.

The , completed in 1979, houses a television production studio, as well as offices and EFP video equipment for the media communication major. This facility also is used in the authoring and production of interactive multimedia.

is at 206 N. Meridian St. A residence purchased in 1995, it houses the graduate education faculty and staff.

The has 224 plants of 43 varieties in 24 beds. The 72-foot-diameter circular garden was created in 1992, honoring a George Fox alumna and volunteer leader.

, constructed in 1886 and on the National Register of Historic Places, is the only first-generation building still existing. Remodeled and refurbished in 1962, 1989, and 1992, it houses faculty offices for writing, literature, communication arts, and languages; two classrooms; and the International Student Center, with faculty offices, conference room, and a lounge/reception area.

The is located at 1110 E. Sheridan St. Purchased in 1992, it houses a lounge for graduate and commuting students and a student recording studio.

The , dedicated in 1989, feature a baseball diamond, softball field, soccer field, and practice areas.

The houses 130,000 print volumes. Its features include study carrels and study rooms; special collections concentrating on Quaker, Hoover, and peace studies; university and Northwest Yearly Meeting archives; microform readers; CD-ROM workstations; Internet connectivity, including access to numerous research databases; and the curriculum library.

The , opened in 1998, contains a ceramics studio and lab, the main campus post office, and print room.

, a historic home, was built in 1899 at the southeast corner of Sheridan and Center streets, and was purchased by the university in 1993. For 57 years it was the home of Levi Pennington, the 30-year president of Pacific College (George Fox University's predecessor). It houses the Office of Alumni and Parent Relations, and the director of special events and projects. The Plant Services Building, opened in 1998, contains work areas, storage, and offices for custodial, maintenance, and grounds personnel.

The , overlooking Hess Creek canyon east of Edwards Residence Hall, was completed in 1995. It is available to all who seek a private place for devotions and prayer.

The located on the northwest corner of Sheridan and River streets, houses School of Education administrative offices.

The , opened in 1978, houses the religious studies and music departments, including classrooms, studios, practice rooms, music listening labs, and faculty offices. The William and Mary Bauman Chapel/Auditorium, seating 1,150, was added in 1982. Security Services is located in a remodeled historic residence at Meridian and Sherman streets, the campus's main entrance.

Student Life

Office of Student Life

, this office is responsible for the organization and programming of residence life and housing, student government, student activities, career services, multicultural services, security, student leadership, health and counseling services, international student services, disability services, new-student orientation, the academic resource center, the Tilikum Center for Retreats and Outdoor Ministries, and campus ministries. This office also offers individual attention to problems arising among students. Students are encouraged to contact this office whenever they are concerned about aspects of university life not specifically related to academic programs. The vice president for student life coordinates these services and programs.

Standards of Conduct

, students agree to respect the expectations and appointed leadership of the institution. All expectations are designed to allow the fullest liberty consistent with efficient work, while at the same time promoting the welfare of the entire campus community.

The university admits students with the understanding they will comply with these expectations in every respect and conduct themselves as responsible citizens. All students are expected to maintain written standards of behavior, which include conforming to state and local laws.

Any student whose behavior is dishonest, destructive, unethical, or immoral, or whose conduct is detrimental to the total welfare of the community, shall be subject to disciplinary action that may warrant appropriate consequences, with the most severe possibly resulting in suspension or dismissal.

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 and the use, possession, or distribution of alcohol, tobacco, or illegal drugs. Gambling and 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.

Students found in violation of the written standards of conduct and the university lifestyle agreement may lose good standing and citizenship with the Office of Student Life. A student's participation in off-campus programs and other activities may be jeopardized as a result of the change in status.

Spiritual Formation Requirements and Campus Ministries

means growing intellectually, emotionally, and spiritually, and creating a strong foundation on which lives, hopes, and dreams can be built. Helping facilitate this kind of growth is the focus of the Office of Campus Ministries and

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hearing God, obeying God, and serving God are always at the forefront, whether in one-on-

- c. Encourage the development of sportsmanship and positive societal attitudes in all constituents, including student-athletes, coaches, administrative personnel, and spectators;
- d. Encourage participation by maximizing the number and variety of athletics

thematic all-campus social dances are sponsored each year by the Associated Student Community under guidelines approved by the university administration and board of trustees.

Theatre

, George Fox's University Repertory Theatre presents two major dramas and a music theatre production each year, as well as student-directed short plays and informal course-related performances. Augmenting the on-campus theatre program is the University Players, a touring drama group, which presents improvisational theatre throughout the Northwest at churches, prisons, camps, retreats, schools, and marketplaces.

ADVANCE Leadership Development Program and Mentoring Program

is a comprehensive lineup of cocurricular experiences designed specifically to enhance and develop the leadership skills and abilities of George Fox University students. Leadership workshops and events take place throughout each semester. All students are encouraged to participate.

In addition, the exists to provide connections for meaningful relationships between students, staff, and alumni. There are three branches to the Fox Mentoring Program. The first branch is one-on-one mentoring where a student is paired with a faculty, administrator, staff, or alum mentor. The second branch is couples mentoring, which is available to seriously dating, engaged, or married students at George Fox. The third branch is peer-to-peer mentoring, which allows upperclassmen to mentor freshmen and sophomores.

, purchased in 1997, houses six students.

was purchased in 1970 and remodeled in 1979. It houses six students.

L provide housing for 56 upper-division students in a total of 16 units.

houses 11 students. It was purchased in 1992.

, acquired in 1994, houses eight students. It is on the east side of Hess Creek canyon on East North Street.

, located on North Street, are four units available for use by 16 upper-division students.

, a one-story duplex, was purchased in 1992. Located on Sheridan Street across from the Pennington Hall parking area, it houses eight students.

, built in 1962 and renovated in 1994, is a residence hall for 100 students and a resident area coordinator's apartment, with alternate-wing housing for men and women.

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Academic Programs

General Education Requirements

To complete an undergraduate academic program at George Fox University, a student must select a major to pursue one of two degrees: the bachelor of arts or the bachelor of science. A course of study includes three basic components: general education, the major field, and supporting and/or elective courses. Minor fields are optional and are composed of elective courses that have been packaged for identification of a vocational purpose or an interest.

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

General education requirements total 52 semester hours. Certain lower- and upper-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. Since some majors have specified ce

Bible and Religion

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

4 hours

2. RELI 300 Christian Foundations

3 hours

3. RELI 260 History and Doctrine of Friends required of all Friends students. One of the following elective courses in Bible or religion is required of all other students:

BIBL 240 Wisdom Literature

BIBL 250 The Psalms

BIBL 260 Life of Christ

BIBL 310 Old Testament History

BIBL 330 The Prophetic Writings

BIBL 340 Between the Testaments

BIBL 350 Writings of John

BIBL 385 Selected Bible Topics

BIBL 390 Biblical Basis for Peacemaking

BIBL 411 Acts and the Pauline Epistles I

BIBL 412 Acts and the Pauline Epistles II

BIBL 480 General Epistles

3 hours

Bible and Religion Requirements for Transfer Students

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

2. Transfer students with an accepted Oregon or Washington associate of arts transfer degree of at least 60 hours and transfer students with 62 semester hours or more must fulfill the following:

a. Take one of the introductory Bible classes:

BIBL 100 Bible Survey

BIBL 101 Literature of the Old Testament

BIBL 102 Literature of the New Testament

b. Take RELI 300, Christian Foundations (Those who are members of the Friends Church may substitute RELI 260 History and Doctrine of Friends.)

Communication

1. WRIT 110 Freshman Composition

(May be waived by a verbal SAT score of 670 or above)

3 hours

2. Choose one of the following:

COMM 100 Introduction to Communication

THEA 100 Acting I - Fundamentals

THEA 220 Oral Interpretation of Literature

3 hours

Health and Human Performance

Three hours of physical education activities and/or health education are required to complete the university's general education requirement. This requirement may be satisfied in the following ways:

1. Human performance activity or adapted activity classes. Limit of two semesters of any one activity.
2. A health course from the following list will satisfy a maximum of 1 hour of the requirement. The 2 remaining hours of the requirement must be met through activity courses.
HLTH 200 Lifestyle Management
HLTH 230 First Aid and Safety
HLTH 240 Stress Management
HLTH 300 Nutrition
HLTH 320 Contemporary Health Issues
3. Up to 2 hours may be waived upon successful completion of proficiency tests in selected areas. A current Red Cross Lifeguarding or Water Safety Instruction certificate will waive 1 hour without further examination.
4. Two hours toward the 3-hour requirement may be earned on intercollegiate athletic teams. Only 1 hour in any one sport will count.
5. Any professional activity class meets 1 hour of the requirement, by permission only. (HHPE 221, 222, 223, 226, 228, 232)
6. Military service may waive 2 hours.

Humanities

Choose a minimum of 11 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.

1. 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
ARTS 216 Art History Survey to 1450
ARTS 217 Art History Survey from 1450
MUSI 100 Music Fundamentals
MUSI 110 Understanding Jazz
MUSI 111 Introduction to Music Literature I
MUSI 112 Introduction to Music Literature II
MUSI 120 The World of Music
MUSI 210 Keyboard Literature

2. History

HIST 110 Western Civilization to 1648
HIST 120 Western Civilization from 1648
HIST 150 America and the World
HIST 331 England to 1688
HIST 332 England Since 1688

3. Literature

If a student chooses to take two courses in literature to fulfill the humanities general education requirements, the first must be a lower-division course; the second may be lower or

upper division.

LITR 100 Introduction to Literature
LITR 220 Great American Writers
LITR 231 Masterpieces of World Literature, Western
LITR 232 Masterpieces of World Literature, Non-Western
LITR 240 Understanding Drama
LITR 270 Great British Writers
LITR 326 American Literature to 1865
LITR 327 American Literature, 1865-1914
LITR 328 American Literature, 1914-Present
LITR 340 Poetry
LITR 360 Values Through Story and Myth
LITR 376 British Literature to 1660
LITR 377 British Literature, 1660-1830
LITR 378 British Literature, 1830-Present
LITR 379 Shakespeare
LITR 385 Major Authors
LITR 440 A Study of the Modern Novel

4. Philosophy (choose a maximum of one course)

PHIL 210 Introduction to Philosophy
PHIL 230 Ethics

Sciences

Choose a minimum of 15 hours from the options listed below. Students must choose one course from math, two courses from natural science, and two courses from social science.

1. Mathematics

Waiver of 3 hours of math requirement for an SAT score of 600 or above.

CSIS 201 Introduction to Computer Science I
CSIS 202 Introduction to Computer Science II
MATH 150 The World of Mathematics
MATH 180 College Algebra
MATH 190 Precalculus Mathematics
MATH 201 Calculus I
MATH 202 Calculus II
MATH 260 Discrete Mathematics
MATH 301 Calculus III

2. Natural Science

BIOL 100 Foundations of Biology
BIOL 101 General Biology I
BIOL 102 General Biology II
BIOL 221 Human Anatomy and Physiology I
BIOL 222 Human Anatomy and Physiology II
CHEM 100 Chemistry of Life
CHEM 110 Chemistry and Our Environment
CHEM 151 General, Organic, and Biological Chemistry I
CHEM 152 General, Organic, and Biological Chemistry II
CHEM 211 General Chemistry I
CHEM 212 General Chemistry II
GSCI 120 Environmental Science
GSCI 130 Fundamentals of Geology
PHYS 150 Physics of Everyday Life
PHYS 201 General Physics I

PHYS 202 General Physics II
PHYS 211 General Physics with Calculus I
PHYS 212 General Physics with Calculus II

3. Social Science

ECON 201* Principles of Microeconomics
ECON 202* Principles of Macroeconomics
PSCI 150 Introduction to Political Science
PSYC 150 General Psychology
SOC1 150 Principles of Sociology

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

Globalization

Choose a minimum of 6 hours from the courses listed below:

COMM 410 Gender Communication Across Cultures
ECON 360 Global Political Economy
FCSC 310 Food, Culture, and Society
FCSC 380 Evolution of World Dress
FREN 102 Introductory French II
FREN 201 Intermediate French I
FREN 202 Intermediate French II
FREN 301 Intermediate/Advanced French I
FREN 302 Intermediate/Advanced French II
GEED 375 Cultural Experience (Juniors Abroad)
GEOG/INTL 200 Cultural Geography and Global Relationships
GREK 202 Hellenistic Greek I (second semester)

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 340 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

Spring Semester, 2005

Enroll in BIOL 222 Human Anatomy and Physiology II

Enroll in CHEM 152 General, Organic, and Biological Chemistry II

Select appropriate general education courses in consultation with the advisors.

In the spring of 2006, George Fox will apply for the second stage of Oregon State Board of Nursing review. Upon approval to proceed, students completing their sophomore year in the prenursing program may apply to be admitted to the BSN program. Admission of students into the BSN program will require successful completion of the prenursing program, including chemistry, mathematics, anatomy and physiology, microbiology, human development, and cultural anthropology. There will also be other requirements, as determined by the nursing program. If accepted, they will proceed with their final two years of the program. Qualified students intending to transfer from other prenursing programs may be considered at the same time.

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 pre-college courses and carry no credit toward degree requirements. Courses numbered 100 to 299 are lower-division level and normally are open to freshmen and sophomores. Courses numbered 300 to 499 are upper-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-numbered 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 211, 212) designate 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 supervised 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 single-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

Advanced Placement program sponsored by the College Entrance Examination Board. Students expecting advanced placement credit should request, at the time the test is taken, for scores to be sent to George Fox University.

The Educational Testing Service of the College Board provides nationally recognized standardized testing through which college credit may be earned or course proficiency verified. This is the College Level Examination Program (CLEP). Testing through the CLEP General Examinations is designed to verify competency in general education. Tests may be taken in five areas for a maximum of 32 semester hours of credit. (General examinations are to be taken prior to the completion of the first semester of enrollment as a freshman at George Fox University.) It is recommended that the English Composition examination with essay be taken in June prior to college enrollment. Testing through the CLEP Subject Examinations provides verification of competency in selected academic fields such as foreign language, mathematics, etc. These may be taken at any time (unless concurrently enrolled in an equivalent course) and assume competency has been gained in nonclassroom settings. See the registrar for details and test applications. The tests are administered by the registrar, as authorized by the College Entrance Examination Board, which sponsors the examinations.

Courses offered at George Fox University for which CLEP testing is not available may be challenged by examination at the discretion of the department. There is a test fee of \$60 per examination. See the registrar for details.

College credit may be granted in several subject areas to students who complete college-level work through the program. A minimum score of five is required on High Level examinations for credit consideration. Students must provide the registrar's office with a copy of the transcript to receive consideration. Credits awarded as a result of documentation will be accepted as transfer credit.

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 is charged for proficiency testing, and credit is not granted. Typical academic areas for which proficiency tests are available are languages, music, Bible, and physical education activity courses.

A placement test is generally required prior to registration for George Fox University modern language classes. Placement tests are generally given during new student orientation.

A student from a non-English-speaking nation may fulfill the language requirement by demonstrating proficiency in the English language.

Major and Minor Requirements

[List of majors](#)

[List of minors](#)

Degrees

George Fox University confers these undergraduate degrees: bachelor of arts and bachelor of science.

Admission to a Major

Students may enroll at George Fox University with or without a specific major in mind. However, students must formally declare their major with the registrar. A first-year student should declare his or her major by the beginning of the second semester.

Some departments have an application and screening process for admission to a major. In those cases, the declaration of major form is considered to be a statement of intent, and the

Finance
International Business
Management
Marketing

Chemistry (B.S.)
Christian Ministries (B.A.)
Concentrations in:
Church Recreation
Educational Ministry
Missions
Youth Ministry

Cinema and Media Communication (B.A.)
Concentrations in:
Broadcast News Performance
Film Studies
Multimedia
Production

Cognitive Science (B.S.)
Communication Arts (B.A.)
Computer and Information Science (B.S.)
Concentrations in:
Computer Science
Information Science

Economics (B.A.)
Elementary Education (B.S.)
Engineering (B.S.)
Concentrations in:
Electrical Engineering
Mechanical Engineering

Family and Consumer Sciences (B.S.)
Concentrations in:
Family and Consumer Sciences
Fashion Merchandising/Interior Design
Foods and Nutrition in Business
Cooperative 3-1 Degree Program with the Fashion Institute of Design and Merchandising

Health and Human Performance (B.S.)
Concentrations in:
Athletic Training
Fitness Management
Health Preteaching
Physical Education Preteaching

History (B.A.)
Interdisciplinary Studies (B.A. or B.S.)
International Studies (B.A.)
Management and Business Information Systems (B.S.)*
Management and Health Administration (B.A.)*
Management and Organizational Leadership (B.A.)*
Mathematics (B.S.)
Music (B.A.)
Concentration in:
Composition
Performance
Preteaching

Organizational Communication (B.A.)
Philosophy (B.A.)
Political Science (B.A.)
Project Management (B.S.)*
Psychology (B.A. or B.S.)

[Religion \(B.A.\)](#)
[Social and Behavioral Studies \(B.A.\)*](#)
[Social Work \(B.S.\)](#)
[Sociology \(B.A.\)](#)
[Spanish \(B.A.\)](#)
[Theatre \(B.A.\)](#)
Concentrations in:
[Acting/Directing](#)
[Design/Technology](#)
[Writing/Literature \(B.A.\)](#)

*Majors offered through George Fox University's degree-completion program for working adults. (See [graduate and professional studies catalog](#)).

Minors

[Accounting](#)
[Art](#)
[Biblical Studies](#)
[Biology](#)
[Business](#)
[Camping: Administrative](#)
[Camping: Programming](#)
[Chemistry](#)
[Christian Ministries: Church Recreation](#)
[Christian Ministries: Educational Ministry](#)
[Christian Ministries: Missions](#)
[Christian Ministries: Youth Ministry](#)
[Church Music](#)
[Cinema and Media Communication](#)
[Coaching](#)
[Communication Arts](#)
[Computer and Information Science](#)
[Drama Teaching](#)
[Economics](#)
[Family and Consumer Sciences](#)
[Fashion Merchandising/Interior Design](#)
[Foods and Nutrition](#)
[French](#)
[Gerontology](#)
[Health](#)
[Health Teaching](#)
[History](#)
[International Studies](#)
[Leadership Studies](#)
[Literature](#)
[Marriage and Family](#)
[Mathematics](#)
[Music](#)
[Music Theatre](#)

[Recreation](#)
[Religion](#)
[Romance Languages](#)
[Social Welfare](#)
[Sociology](#)
[Spanish](#)
[Speech Teaching](#)
[Teaching English to Speakers of Other Languages](#)
[Theatre](#)
[Writing](#)

ACCOUNTING

See [Business and Economics](#).

APPLIED SCIENCE

See [Engineering, Applied Science](#).

ART

Art Major (B.A.)

Graphic Design Concentration

Requirements for an art major with a concentration in graphic design consist of 48 semester hours, to include the following courses:

ARTS 101 Basic Design I
ARTS 102 Basic Design II
ARTS 111 Drawing I
ARTS 112 Drawing II
ARTS 250 Introduction to Graphic Design
ARTS 350 Graphic Design 2: Typography
ARTS 360 Illustration
ARTS 382 Twentieth-Century Art
ARTS 383 History of Visual Communications
ARTS 450 Graphic Design 3: Design Applications
ARTS 460 Art and Christ
ARTS 490 Senior Thesis Exhibit
(Or ARTS 475 Field Experience, by petition)

Select 12 hours from the following courses:

ARTS 201 Beginning Painting
ARTS 230 Beginning Photography
ARTS 231 Beginning Printmaking
ARTS 301 Intermediate Painting
ARTS 330 Intermediate Photography
ARTS 451 Packaging, Public Graphics, and Signage
BUSN 110 Introduction to Business
BUSN 340 Marketing
BUSN 420 Marketing Communication and Strategy
BUSN 450 Marketing Research and Decision Making

CMCO 250 Digital Multimedia Production
WRIT 310 Professional Writing and Desktop Publishing

Studio Arts Concentration

Requirements for an art major with a concentration in studio arts consist of 42 semester hours, to include the following courses:

ARTS 101 Basic Design I
ARTS 102 Basic Design II
ARTS 111 Drawing I
ARTS 112 Drawing II
ARTS 381 Baroque and Rococo Art
ARTS 382 Twentieth-Century Art
ARTS 385 Selected Topics in Art History
ARTS 460 Art and Christ
ARTS 490 Senior Thesis Exhibit
(Or ARTS 475 Field Experience, by petition)

Select 15 hours from the following (these 15 hours must include courses from three separate studio disciplines):

ARTS 201 Beginning Painting
ARTS 221 Beginning Sculpture
ARTS 230 Beginning Photography
ARTS 231 Beginning Printmaking
ARTS 240 Beginning Mixed Media
ARTS 241 Beginning Ceramics
ARTS 250 Introduction to Graphic Design
ARTS 265 Contemporary Art Seminar
ARTS 285 Selected Topics
ARTS 295 Special Study
ARTS 301 Intermediate Painting
ARTS 321 Intermediate Sculpture
ARTS 330 Intermediate Photography
ARTS 331 Intermediate Printmaking
ARTS 340 Intermediate Mixed Media
ARTS 341 Intermediate Ceramics
ARTS 350 Graphic Design 2: Typography
ARTS 401 Advanced Painting
ARTS 421 Advanced Sculpture
ARTS 431 Advanced Printmaking
ARTS 441 Advanced Ceramics
ARTS 495 Special Study
THEA 125/325 C Theatre Laboratory Art: Interdisciplinary Major

MAJOR REQUIREMENTS

An interdisciplinary major may be elected through application and approval of the art faculty.

18 Credits (12 of which must be upper division)
14 hours Bible (200 level and above)
1 CHMN course
1 RELI or PHIL course

BIOLOGY

Biology Major (B.S.)

MAJOR REQUIREMENTS

Requirements for the biology major consist of 34 semester hours in biology and 19 additional hours in chemistry and mathematics to include the following courses:

Biology

BIOL 101, 102 General Biology

BIOL 350 Genetics

BIOL 360 Ecology

BIOL 491, 492 Senior Seminar

(BIOL 384 Research Methods and BIOL 496 Senior Thesis may each be substituted for one Senior Seminar.)

Plus an additional 16 hours of upper-division biology courses.

An upper-division botany course is highly recommended.

Chemistry

CHEM 211, 212 General Chemistry

CHEM 325 Organic Chemistry

Plus one of the following:

CHEM 326 Organic Chemistry

CHEM 310 Analytical Chemistry

Mathematics

MATH 190 Precalculus or above is required, with MATH 201, 202 Calculus I, II highly recommended.

Physics

PHYS 201, 202 General Physics or PHYS 211, 212 General Physics With Calculus is also recommended.

The chemistry, mathematics, and physics courses 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.

Thesis Option

Students can petition the department thesis committee by the end of the fall semester of their junior year for permission to do original research as part of their degree requirement.

Students allowed to pursue the thesis option must:

1. Complete an acceptable research proposal and the Research Methods course (BIOL 384) by the end of the spring semester of the junior year.
2. Take up to 4 hours of Biological Research (BIOL 495) between the spring semester of their junior year and graduation, and Senior Thesis (BIOL 496) during the spring semester of their senior year.
3. Complete a written thesis acceptable to the thesis committee by April 1 of their senior year.
4. Prepare a poster and give an oral presentation of their research prior to graduation. The

department considers this an honor to be noted on the student's transcript. The thesis is designed to enhance a student's preparation for graduate or professional school.

BUSINESS AND ECONOMICS

Accounting Major (B.A.)

MAJOR REQUIREMENTS

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 a general 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.

General Education

COMM 100 Introduction to Communication

Business Core

BUSN 110 Introduction to Business

BUSN 3ducjE24 Tw 0 -0031 T-6(ali)-6(zed courses. StudenTzed 6(asm6ses. rd 6(En 510.0007 T rf st Educati9)]T

Business Administration Major (B.A.)

MAJOR REQUIREMENTS

The requirements for a business administration major include four components: the Introduction to Business course, a principles core of courses, a functional core of courses, and completion of a concentration in one of the following areas: finance, international business, management, or marketing.

A student intending to major in business administration will submit an application to the major to the department in the semester of completion of the principles core (see below). For admission to the major, a minimum cumulative GPA of 2.75 is required, with at least a C- in each course in the principles core. Also, a minimum grade of C- must be obtained in all major courses for graduation. Field experiences and internships are encouraged.

Freshman Year (3 hours)

BUSN 110 Introduction to Business

COMM 100 Introduction to Communication

Principles Core (15 hours)

BUSN 240 Statistics for Business and Economics

ACCT 271 Principles of Financial Accounting

ACCT 272 Principles of Managerial Accounting

ECON 201 Principles of Microeconomics

ECON 202 Principles of Macroeconomics

Functional Core (12 hours)

BUSN 300 Management

BUSN 340 Marketing

BUSN 310 Financial Management

BUSN 380 Information Systems

Senior Year (12 hours)

BUSN 490 Senior Capstone Course

Concentrations (8 hours)

Only one concentration will be listed on your transcript, and students with that concentration will be given priority in the senior-level courses.

Select one concentration from the following for a total of 12 hours:

Finance

BUSN 471 Investments, Financial Markets, and Institutions

BUSN 472 Advanced Corporate Finance

BUSN 490 Senior Capstone Course

(ACCT 371, 372 Financial Accounting and Reporting are recommended.)

BUSN 475 Internship (Encouraged)

International Business

ECON 460 International Trade and Finance

BUSN 440 International Management

BUSN 490 Senior Capstone Course

Management

ECON 430 Managerial Economics

BUSN 475 Internship (Encouraged)

BUSN 480 Organizational Behavior

BUSN 490 Senior Capstone Course

Marketing

Economics Minor (18 hours)

ECON 201 Principles of Microeconomics
ECON 202 Principles of Macroeconomics

Plus a minimum of 12 hours from the following:
BUSN 240 Statistics for Business and Economics
ECON 340 Public Economics
ECON 360 Global Political Economy
ECON 430 Managerial Economics
ECON 460 International Trade and Finance
ECON 475 Field Experience
ECON 485 Selected Topic
ECON 495 Special Study

CHEMISTRY

Chemistry Major (B.S.)

MAJOR REQUIREMENTS

Requirements for the chemistry major consist of 36 semester hours in chemistry and 19 additional hours in mathematics and physics to include the following:

Chemistry
CHEM 211, 212 General Chemistry
CHEM 310 Analytical Chemistry
CHEM 325, 326 Organic Chemistry
CHEM 401, 402 Physical Chemistry

Students must take two of the following three courses:

CHEM 320 Advanced Inorganic Chemistry
CHEM 390 Organic Synthesis and Analysis (chem 390 25M) or CHEM 390-345 self

Educational Ministry Concentration (Shared Praxis) (16 hours)
CHMN 391 Shared Praxis I: Introduction to Educational Ministry
CHMN 392 Shared Praxis II: The Christian Story and Vision
CHMN 491 Shared Praxis III: Methods and Skills in Ministry
CHMN 492 Shared Praxis IV: Supervised Field Experience

Missions Concentration (16 hours)
CHMN 475 Field Experience
RELI 330 Introduction to the World Christian Movement
RELI 360 Cross-Cultural Christian Outreach
RELI 440 World Religions
RELI 460 Issues in Contemporary Missions

Youth Ministry Concentration (16 hours)
CHMN 330 Youth Leadership
CHMN 381 Counseling
PSYC 311 Child Development

Choose 5 hours from:

CHMN 320 Relational Bible Teaching

CHMN 330 Youth Leadership

HHPE 380 Experiential Recreational Leadership

Christian Ministries: Church Recreation Minor (20-21 hours)

(12 of which must be upper-division)

CHMN 370 Camp Programming

CHMN 440 Camp Administration

CHMN 475 Field Experience

HHPE 380 Recreational Leadership

HLTH 200 Lifestyle Management

Choose 1:

CHMN 130 Christian Discipling

OR CHMN 360 Perspectives in Christian Education

OR CHMN 390 Theological Foundations of Christian Ministry

Choose 1:

RELI 470 Christian Classics

OR RELI 480 Spiritual Formation

OR RELI 490 Contemporary Religious Life

Choose 3 hours from biblical studies courses (200 level or above)

Christian Ministries: Educational Ministry Minor (19-20 hours)

(12 of which must be upper-division)

CHMN 391 Shared Praxis I: Introduction to Educational Ministry

CINEMA AND MEDIA COMMUNICATION

See Communication Arts - [Cinema and Media Communication](#).

COGNITIVE SCIENCE

Cognitive Science Major (B.S.)

Cognitive science is an interdisciplinary study of the mind. The major 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 that aspect of the mind that most interests them (e.g., psychological, physiological, philosophical, computational). The major requires 43 hours from the following areas:

Special General Education Requirements

BIOL 221 Human Anatomy and Physiology I

MATH 201 Calculus I or MATH 260 Discrete Mathematics

PHIL 210 Introduction to Philosophy

PSYC 150 General Psychology

SOCI 310 Cultural Anthropology

MAJOR REQUIREMENTS (43 Hours)

PSYC 320 Introduction to Cognitive Science

PSYC 450 Systems of Psychology

PSYC 490 Senior Seminar

Methods Courses

CSIS 201 Introduction to Computer Science I

CSIS 202 Introduction to Computer Science II

PSYC 340 Statistical Procedures

PSYC 391 Research Methods

PSYC 392 Advanced Research Methods

Survey Courses

Choose seven of the following:

COMM 340 General and Cultural Linguistics

CSIS 440 Artificial Intelligence (AI)

LITR 360 Values Through Story and Myth

MATH 290 Mathematical Logic

PHIL 340 Logic

PSYC 350 Social Psychology

PSYC 360 Learning

PSYC 370 Cognition

PSYC 410 Sensation and Perception

PSYC 460 Physiological Psychology

Optional - research or special study in field of emphasis (3-6 hours)

COMMUNICATION ARTS

Communication Arts Major (B.A.)

MAJOR REQUIREMENTS

Communication arts features an interdisciplinary approach to communication that integrates the interests of speech communication, drama, journalism, and media with a common core of courses in communication and rhetorical theory.

Requirements for a communication arts major consist of 39 semester hours distributed as follows:

Performance Core Courses

COMM 200 Persuasive Communication
COMM 210 Interpersonal Communication
COMM 324 Argumentation and Critical Thinking
Either WRIT 230 Introduction to Journalism
OR WRIT 310 Professional Writing and Desktop Publishing

Theory Core Courses

COMM 300 Theoretical Approaches to Communication
COMM 400 Critical Approaches to Communication
COMM 480 Senior Capstone: Ethical and Spiritual Dimensions of Communication

Practicum

3 hours from COMM 305 Professional Communication Activities, and/or COMM 275/475 Field Experience (pass/no pass grading only).

Electives

(Students should choose their electives under the guidance of their advisors. Not more than 3 hours should be in practicum courses.)

15 additional hours from:

Communication arts (COMM)
Cinema & Media Communication (CMCO)
CHMN 420 Speaking as Ministry
AND/OR up to 6 hours of writing courses from:
WRIT 210 Practical Grammar and Editing
WRIT 230 Introduction to Journalism
WRIT 310 Professional Writing and Desktop Publishing
WRIT 330 Writing for Publication

Cinema and Media Communication Major (B.A.)

MAJOR REQUIREMENTS

The cinema and media communication major combines the liberal arts emphasis of communication arts with hands-on experiences in video, film, and digital media production. Extensive electives allow the student to design a program that fits individual needs or interests. The major consists of 39 required semester hours distributed as follows:

Theory Core Courses (9 hours)

COMM 230 Mass Media and Popular Culture
COMM 300 Theoretical Approaches to Communication
COMM 330 Reviewing Film and Television

Production Core (15 hours)

CMCO 230 Introduction to Video Production
CMCO 250 Digital Multimedia Production
CMCO 260 Scriptwriting for Media

CMCO 350 Editing Video
CMCO 475 Field Experience

Choose 15 hours in one area of concentration from the options below.

Broadcast News Performance Concentration
CMCO 295 Broadcast News
CMCO 340 Audio Production and Broadcasting
CMCO 355 Event Video Production
CMCO 475 Field Experience
CMCO 495 Special Study
COMM 200 Persuasive Communication
THEA 220 Oral Interpretation of Literature
WRIT 230 Introduction to Journalism

Film Studies Concentration

Either 15 hours of course work at the Los Angeles Film Studies Center or:

CMCO 320 Dramatic Scriptwriting
CMCO 430 Producing and Directing Video
CMCO 475 Field Experience
CMCO 495 Special Study
NWFC* Cinematography
NWFC* Intermediate Cinematography
NWFC* Optical Printing

*These hands-on courses, to be taken at the Northwest Film Center, allow students to utilize film format.

Multimedia Concentration

ARTS 250 Introduction to Graphic Design
ARTS 230 Beginning Photography
CMCO 340 Audio Production and Broadcasting
CMCO 355 Event Video Production
CMCO 475 Field Experience
CMCO 495 Special Study
WRIT 310 Professional Writing and Desktop Publishing

Production Concentration

CMCO 320 Dramatic Scriptwriting
CMCO 340 Audio Production and Broadcasting
CMCO 355 Event Video Production
CMCO 430 Producing and Directing Video
CMCO 475 Field Experience
CMCO 495 Special Study

Organizational Communication Major (B.A.)

MAJOR REQUIREMENTS

The organizational communication major combines communication courses that are particularly useful in organizational settings with marketing and management classes from the business curriculum. Graduates of the program can fill a wide range of positions, including public relations, sales, consulting, training, promotions, fund raising, and customer service. Due to the interdisciplinary nature of the major, double counting of courses will not be allowed between this major and other majors.

Requirements for the organizational communication major consist of 41-42 semester hours distributed as follows:

Communication Core Courses (21 hours)

COMM 320 Introduction to Public Relations
COMM 370 Organizational Communication
COMM 380 Leadership Communication
COMM 480 Senior Capstone: Ethical and Spiritual Dimensions of Communication
Either COMM 200 Persuasive Communication
OR COMM 324 Argumentation and Critical Thinking
Either BUSN 475 Field Experience
OR COMM 305 Professional Communication Activities
OR COMM 475 Field Experience
Either CMCO 250 Digital Media Production
OR CMCO 260 Scriptwriting for Media
OR WRIT 310 Professional Writing

Business Core (17 hours)

BUSN 110 Introduction to Business
BUSN 300 Management
BUSN 340 Marketing
BUSN 420 Marketing Communication and Strategy
BUSN 480 Organizational Behavior

Electives (3-4 hours)

Select one course from the following options:
ACCT 271 Principles of Financial Accounting
BUSN 380 Information Systems
BUSN 440 International Management
COMM 210 Interpersonal Communication
COMM 230 Mass Media and Popular Culture
COMM 300 Theoretical Approaches to Communication
COMM 310 Conflict Resolution
COMM 360 Nonverbal Communication

Communication Arts Minor (20 hours)

COMM 100 Introduction to Communication
COMM 300 Theoretical Approaches to Communication
Either COMM 200 Persuasive Communication
OR COMM 210 Interpersonal Communication

Select 11 hours from the following:

CMCO 230 Introduction to Video Production
COMM 230 Mass Media and Popular Culture
COMM 305 Professional Communication Activities (2 hours maximum)
COMM 310 Conflict Resolution
COMM 320 Introduction to Public Relations
COMM 340 General and Cultural Linguistics
COMM 360 Nonverbal Communication
COMM 380 Leadership Communication
COMM 400 Critical Approaches to Communication
THEA 220 Oral Interpretation of Literature
WRIT 230 Introduction to Journalism

Cinema and Media Communication Minor (18 hours)

CMCO 230 Introduction to Video Production
CMCO 250 Digital Multimedia Production
Either CMCO 260 Scriptwriting for Media
OR CMCO 320 Dramatic Scriptwriting
Either COMM 230 Mass Media and Popular Culture
OR COMM 330 Reviewing Film and Television

Choose six hours from the following:

CMCO 260 Scriptwriting for Media

CMCO 295 Broadcast News

CMCO 320 Dramatic Scriptwriting

CMCO 340 Audio Production and Broadcasting

CMCO 355 Event Video Production

CMCO 475 Field Experience

CMCO 495 Special Study

COMM 230 Mass Media and Popular Culture

COMM 330 Reviewing Film and Television

COMPUTER AND INFORMATION SCIENCE

Computer and Information Science Major (B.S.)

The function and influence of the computer is pervasive throughout society. Computers process data from banks, communications satellites, video games, and even the fuel and ignition systems of automobiles. Computer software is as commonplace in the areas of

CSIS 370 Object-Oriented Programming
CSIS 434 Parallel Computing
CSIS 440 Artificial Intelligence (AI)
CSIS 450 Network Administration
CSIS 480 Principles of Compiler Design

Required supporting courses in mathematics:

MATH 201 Calculus I
MATH 260 Discrete Mathematics

Information Science Concentration

Required computer and information science courses:

CSIS 201 Introduction to Computer Science I
CSIS 202 Introduction to Computer Science II
CSIS 310 Data Structures and File Processing
CSIS 314 Client-Server Systems
CSIS 321 Software Engineering
CSIS 350 Data Communications and Networks
CSIS 460 Operating Systems
CSIS 471 Senior System Development I
CSIS 472 Senior System Development II

Choose 12 hours from the following:

CSIS 330 Computer Graphics
CSIS 340 Database Systems
CSIS 370 Object-Oriented Programming
CSIS 420 Structures of Programming Languages
CSIS 430 Analysis of P3oClientGeogoeenth9./TT2 3-8JI1.2133 T7(n)entGeogogoe (Abhtn0on to Computer Science I

Engineering is the application of mathematical and scientific knowledge to provide for the technological needs of society. George Fox University offers an engineering degree with a concentration in 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.

Special General Education Requirements
COMM 100 Introduction to Communication
MATH 201 Calculus I
MATH 202 Calculus II
MATH 301 Calculus III
PHIL 230 Ethics

Natural Science (7-8 hours)
CHEM 211 General Chemistry I
Choose one of the following:
BIOL 100 Foundations of Biology
BIOL 101 General Biology I
BIOL 221 Human Anatomy and Physiology I
BIOL 222 Human Anatomy and Physiology II
CHEM 212 General Chemistry II

Social Science (6 hours)
Choose one:
ECON 201 Principles of Microeconomics
ECON 202 Principles of Macroeconomics
Choose one:
PSCI 150 Introduction to Political Science
PSYC 150 General Psychology
SOC1 150 Principles of Sociology

MAJOR REQUIREMENTS

The major requires course work to be completed in the following areas:
30 hours of core courses in general, electrical, and mechanical engineering
31 hours in the electrical or mechanical concentration
32-33 hours of mathematics and natural science, of which 18 hours fulfill the mathematics and natural science component of the general education requirements for engineering majors

Engineering Core
ENGE 220 Digital Logic Design
ENGE 250 Electric Circuit Analysis
ENGM 210 Statics and Dynamics
ENGM 311 Engineering Thermodynamics
ENGR 151 Engineering Principles I
ENGR 152 Engineering Principles II
ENGR 250 Principles of Materials Science
ENGR 380 Robotics Control Systems
ENGR 481 Senior Design I
ENGR 482 Senior Design II
ENGR 490 Senior Seminar

Mathematics and Natural Science
CHEM 211 General Chemistry I
MATH 201 Calculus I
MATH 202 Calculus II
MATH 301 Calculus III
MATH 310 Differential Equations
PHYS 211 General Physics with Calculus I
PHYS 212 General Physics with Calculus II

Plus a math elective, selected from the following:

MATH 300 Numerical Methods
MATH 320 Linear Algebra
MATH 331 Probability

Plus a natural science elective selected from the following:

BIOL 100 Foundations of Biology
BIOL 101 General Biology I
BIOL 221 Human Anatomy and Physiology I
BIOL 222 Human Anatomy and Physiology II
CHEM 212 General Chemistry II

Electrical Engineering Concentration

ENGE 300 C Programming with Applications
ENGE 311 Electronic Devices and Circuits
ENGE 312 Applications of Electronic Devices
ENGE 330 Signals and Electrical Systems
ENGE 350 Electrical Network Analysis
ENGE 360 Electromagnetic Fields and Waves
ENGE 420 Microprocessors

Choose 9 hours of electrical engineering electives from the following:

ENGE 410 Integrated Circuit Design
ENGE 430 Communication Systems
ENGE 440 Electric Machines and Power Systems
ENGE 460 Microwave Engineering and Applications

Mechanical Engineering Concentration

ENGM 300 Computational Methods
ENGM 312 Applications of Engineering Thermodynamics
ENGM 320 Mechanics of Materials
ENGM 330 Fluid Mechanics
ENGM 350 Machine Dynamics and Vibrations
ENGM 380 Heat Transfer
ENGM 400 Mechanical Engineering Design

Choose 9 hours of mechanical engineering electives from the following:

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

Applied Science Major (B.S.)

For students interested in pursuing an engineering degree in a discipline other than electrical or mechanical engineering (e.g. chemical*, civil, computer, environmental, aerospace, etc.), George Fox University offers a dual degree 3/2 program. 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: an applied science degree from George Fox University after their fourth year, and an engineering degree from the cooperating engineering school after their fifth year.

*It is strongly recommended that students interested in pursuing the 3/2 option in chemical engineering also enroll in CHEM 325, 326 Organic Chemistry and CHEM 401, 402 Physical Chemistry during their three years at George Fox University.

MAJOR REQUIREMENTS

Requirements for an applied science major consist of 50 semester hours, to include the following:

ENGE 250 Electric Circuit Analysis
ENGM 210 Statics and Dynamics
ENGM 311 Engineering Thermodynamics
ENGR 151 Engineering Principles I
ENGR 152 Engineering Principles II
ENGR 250 Principles of Materials Science
MATH 310 Differential Equations
PHYS 211 General Physics with Calculus I
PHYS 212 General Physics with Calculus II

Choose 3 hours of engineering electives from the following:

ENGE 220 Digital Logic Design
ENGE 311 Electronic Devices and Circuits
ENGE 330 Signals and Electrical Systems
ENGM 312 Applications of Engineering Thermodynamics
ENGM 320 Mechanics of Materials
ENGM 330 Fluid Mechanics

Choose 6 hours of math electives from the following:

MATH 300 Numerical Methods
MATH 320 Linear Algebra
MATH 331 Probability

12 additional hours in engineering courses are to be transferred back from the cooperating engineering school.

8 hours of CHEM 211, 212 General Chemistry are required, which meet the natural science general education requirement.

11 hours of MATH 201, 202, 301 Calculus I, II, III are required, which meet the mathematics general education requirement.

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. Details are available from the engineering advisor or the registrar.

ENGLISH AS A SECOND LANGUAGE

The purpose of the English Language Institute is to develop the language and academic skills of students whose native language is not English and to raise their level of cultural and spiritual awareness in order to prepare them for academic and social success at George Fox University.

English as a second language (ESL), taught in the English Language Institute at George Fox University, prepares international students to meet the challenges of academic study in English.

International students who score less than 500 on the paper-based Test of English as a Foreign Language (TOEFL), less than 173 on the computer-based TOEFL, or less than four on the Test of Written English will study intensive English approximately 14 hours per week while they also are enrolled in one or two regular university courses. ESL students may take up to 20 hours a semester, with a maximum of four credits of non-ESL course work.

To prepare international students to enter into academic life at George Fox University as full and successful participants, ESL courses develop the students' general English proficiency, academic skills, and cultural, spiritual, and social awareness. Lower-level courses stress basic language skills, while higher-level courses concentrate increasingly on academic skills. The core courses at each level develop speaking, listening, reading, and writing skills, as well as vocabulary and grammar. Cultural orientation, interaction with native speakers in the university community, and attendance at campus functions and academic lectures are incorporated into ESL learning activities.

At the highest level, students enroll for credit in one regular academic course together with ESL courses that are designed to help develop the language and academic skills necessary for success. Students who successfully complete this level are admitted to George Fox University and, based on their work in advanced-level ESL courses (those with course numbers above 200), are awarded up to 15 semester hours of credit toward their degree.

FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences Major (B.S.)

MAJOR REQUIREMENTS

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

Family and Consumer Sciences Concentration

Family and consumer sciences are grounded in the sciences and humanities. At the core is an educational 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 an ever-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, nutrition research, food service management, child care, fashion design, textile design, residential and commercial design, kitchen and bath 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.

Foods and Nutrition in Business Concentration

Foods and Nutrition in Business is a multidisciplinary concentration incorporating academic cores in consumer-oriented food science education, human nutrition, and business. Course work in food composition and preparation, analysis of consumer trends, and recognition of global food issues prepares students as food professionals, while course work in human nutrition and contemporary nutrition issues equips the student with the experience necessary to work in areas of consumer nutrition education. Business courses prepare students for careers in industries requiring the skills of food specialists, including new product development, test kitchens, recipe development, and food product sales and marketing, catering, event planning, and food service management.

Special General Education Requirements

CHEM 151 General, Organic, and Biological Chemistry I

ECON 201 Principles of Microeconomics

The following courses, totaling 44 hours, are required for a concentration in foods and nutrition in business:

ACCT 271 Principles of Financial Accounting

BUSN 110 Introduction to Business

BUSN 300 Management

BUSN 340 Marketing

FCSC 211 Foods I

FCSC 212 Foods II

FCSC 250 Residential Technology

FCSC 290 Meal Management

FCSC 300 Nutrition

FCSC 310 Food, Culture, and Society

FCSC 344 Quantity Food Production and Management

FCSC 350 Resource Management

FCSC 360 Consumer Buying

FCSC 430 Nutrition and the Life Cycle

FCSC 475 Field Experience

FCSC 490 Senior Seminar

Cooperative 3-1 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 (FIDM) in Los Angeles, California. This cooperative program provides for students to attend George Fox University for three years during which the student completes all general education classes, elective classes, and 14 hours in the fashion merchandising/interior design major.

Students electing to pursue this option apply in their junior year and attend FIDM their senior year to complete a specialized major. The broad spectrum of related courses at FIDM is more varied in content and specific in focus, which allows for the following specializations: interior design, merchandise development, merchandise management, and fashion design.

Graduates receive a bachelor of science degree in family and consumer sciences with a concentration in interior design, merchandise marketing, or fashion design from George Fox University and an associate of arts degree from FIDM.

Application to FIDM is solely the student's responsibility and is independent of acceptance to or enrollment at George Fox University. Students considering this option should seek advisement early in their academic careers in order to meet the requirements of both FIDM

FIDM. Contact FIDM directly for information regarding admission requirements, tuition rates, and financial aid.

FRENCH

French Minor

Prerequisite for entry in the minor: completion of French 202 Intermediate French II or placement test.

Requirements for a minor in French:

FREN 301 Intermediate/Advanced French I

FREN 302 Intermediate/Advanced French II

FREN 490 Study Abroad (12-16 hours in an approved program, depending on placement exam)

GRAPHIC DESIGN

See Art, [Graphic Design](#).

HEALTH AND HUMAN PERFORMANCE

Health and Human Performance Major (B.S.)

General Education Requirements

All human performance majors are exempt from the general education human performance activity class requirement.

MAJOR REQUIREMENTS

Athletic Training Concentration

Students wishing to prepare for a career in athletic training should consult with the athletic training program director within the first two weeks of the fall semester of their freshman year. Students must complete a minimum of 75 observational hours in the athletic training room to be eligible for acceptance in the athletic training education program.

Students make formal application for admission to the athletic training education program through the program director in the spring of their freshman year. Application must be made by March 15 of the semester prior to formal entry into the athletic training concentration.

Admission to the program is based upon attainment of a cumulative GPA of 2.75 or better on all college-level courses. In addition, a cumulative high school GPA of 2.75 or better must have been attained. Other factors to be considered include a minimum of two written recommendations; meeting technical standards as described in the Student Athletic Training Handbook; exemplary social and moral behavior; and submission of the formal application no later than March 15. Generally, any application submitted after March 15 will not be considered for admission the following school year. Admission to the program is required before applicants may work as student athletic trainers within the student athletic training education program or declare athletic training as a concentration.

Transfer students must demonstrate the completion of a basic college level first aid/CPR course and the completion of at least 75 athletic training internship hours working under the

guidance of an NATABOC certified athletic trainer. In addition, the supervising certified athletic trainer must write one of the letters of recommendation. Upon acceptance into the program, the student must follow the academic course plan as described in the Student Athletic Training Handbook. Guidelines covering transfer credit are stated in the handbook. Transfer credit generally will not be granted for HHPE 375 Athletic Training Practicum.

Generally, continuation in the athletic training program is dependent upon maintaining a minimum 2.75 GPA within the athletic training concentration, maintaining a minimum overall

Upon completion of the M.A.T. program the student will have completed the master's degree and be certified to teach physical education.

Requirements for the K-12 physical education preteaching concentration in human performance consist of 51-52 hours, 28 of which must be upper-division courses. Courses selected to satisfy science general education requirements may include BIOL 101, 102, General Biology. Either CHEM 100 Chemistry of Life or CHEM 110 Chemistry and Our Environment are recommended.

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

Choose 1 elective course from the following:

HHPE 310 Coaching Basketball
HHPE 320 Coaching Baseball/Softball
HHPE 330 Coaching Soccer
HHPE 340 Coaching Track
HHPE 350 Coaching Volleyball
HHPE 390 Care and Prevention of Athletic Injuries
HLTH 300 Nutrition

Health and Human Performance: Interdisciplinary Major

MAJOR REQUIREMENTS

An interdisciplinary major may be elected through application and approval of Health and Human Performance department. The interdisciplinary major consists of 48 semester hours, with a minimum of 24 semester hours in health and human performance. The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives.

Requirements for the human performance block include the following:

EDUC 334 Health and Physical Education Methods
HHPA 109 Ballroom Dancing
HHPA 130 Aquatics (a Red Cross Lifeguarding or Water Safety Instructor Certificate can be

used to fulfill this requirement)

HHPE 228 Conditioning/Body Mechanics and Aerobics

HHPE 370 Camp Programming and Counseling

HHPE 380 Experiential Recreational Leadership

HHPE 440 Camp Administration

HLTH 200 Lifestyle Management

HLTH 230 First Aid and Safety

HLTH 240 Stress Management

5 hours selected from any 200 level-or-above health education or human performance courses.

HISTORY

History Major (B.A.)

MAJOR REQUIREMENTS

Requirements for a history major consist of 36 semester hours of history, with a minimum of 24 upper-division hours, to include the following courses:

HIST 150 America and the World

HIST 490 History Seminar

Either HIST 110 Western Civilization to 1648

OR HIST 120 Western Civilization from 1648

History Minor (18 hours)

HIST 150 America and the World

Either HIST 110 Western Civilization to 1648

OR HIST 120 Western Civilization From 1648

Choose 12 additional hours of history courses

The second year of a modern foreign language
8 hours of INTL 475 Culture-Oriented Fieldwork

Two additional courses from the following:

COMM 300 Theoretical Approaches to Communication
COMM 340 General and Cultural Linguistics
COMM 350 Introduction to TESOL (Teaching English to Speakers of Other Languages)
ECON 360 Global Political Economy
ECON 460 International Trade and Finance
FREN 495 Special Study (French)
HIST 331 England to 1688
HIST 332 England Since 1688
HIST 340 History of the Middle East
HIST 350 Latin America
HIST 360 Modern Russia
HIST 370 Far East
HIST 421 Europe from the Age of Enlightenment to 1890
HIST 422 Europe 1890-Present
HIST 440 History of Africa
INTL 303 International Conflict and Peace
LITR 231 Masterpieces of World Literature, Western
LITR 232 Masterpieces of World Literature, Non-Western
RELI 360 Cross-Cultural Christian Outreach
RELI 460 Issues in Contemporary Missions
SOC1 380 Race, Ethnicity, and Class
SPAN 495 Special Study (Spanish)

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 foreign missionary service or graduate studies in missions and intercultural concerns are encouraged to take a minor in the Depaing

BUSN 480 Organizational Behavior
COMM 310 Conflict Resolution
PSYC/SOCI 350 Social Psychology

LITR 360 Values Through Story and Myth
PHIL 230 Ethics
RELI 480 Spiritual Formation

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

MATHEMATICS

MUSI 121 Theory I
MUSI 122 Theory I
MUSI 131 Sight Singing and Ear Training I
MUSI 132 Sight Singing and Ear Training II
MUSI 180 Introduction to Music Technology
MUSI 221 Theory II
MUSI 222 Theory II

All music majors also are required to pass a piano proficiency examination administered at the end of the sophomore year. Students are required to register for MUSA 105/305 Applied Piano or MUSI 135 Class Piano until the proficiency has been met. Music majors will not be recommended for graduation until the proficiency has been passed.

Individual instruction is offered in voice, piano, organ, strings, woodwinds, brass, percussion, and guitar. Generally students enrolled in applied lessons earn 1 credit hour per semester per subject. Students pursuing a performance concentration may receive 2 credit hours per semester per subject. Those without a performance concentration may petition for 2 hours of credit with a recommendation from their applied music teacher. Music majors are required to enroll in applied music lessons each semester.

All students enter the applied program at the 100- level. Before being advanced to upper-division study, the student must pass a faculty jury. All applied music students are expected to perform periodically in studio or public recital, but only students who have advanced to upper-division study levels will be permitted to present a half or full recital. These recitals may be given only by permission after the student has performed the recital repertoire in a faculty hearing.

Music: Interdisciplinary Major

MAJOR REQUIREMENTS

An interdisciplinary major may be elected through application and approval of the music faculty. The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives. The interdisciplinary major consists of 48 semester hours, with a minimum of 24 semester hours in music. Many creative options are possible. Common majors include music and religion, or music and Christian ministries.

Required music courses for an interdisciplinary major with religion include:

MUSI 121 Theory I
MUSI 122 Theory I
MUSI 200 Basic Conducting
MUSI 270 Music Techniques
MUSI 340 Church Music (History and Administration)
MUSI 400 Music and Christian Faith
MUSI 490 Senior Recital/Project
A major ensemble (four semesters)
Applied music (two semesters)
Music electives

ORGANIZATIONAL COMMUNICATION

See [Communication Arts](#).

PEACE AND CONFLICT STUDIES

Peace Studies Minor

Students at George Fox University may earn a minor in peace studies by taking elective courses from the departments of history and political science, communication arts, and religious studies. For more information, students should see their advisor or the registrar.

Certificate in Conflict Management

The Center for Peace and Justice coordinates a special course of study in conflict management

designed to give students concentrated preparation for practical peacemaking in their work, church, community, and family. Students will study the theory of communication and conflict resolution, be introduced to relevant skills, and equip themselves to apply this learning in a variety of action settings. The course of study includes five components:

1. Either COMM 200 Persuasive Communication, or COMM 210 Interpersonal Communication
2. Either BUSN 480 Organizational Behavior, or PSYC/SOCI 300 Group Dynamics, or PSYC/CHMN 381 Counseling

Philosophy Minor (18 hours)
PHIL 210 Introduction to Philosophy
PHIL 230 Ethics
PHIL 380 History of Philosophy Survey

Choose 9 hours from the following:
LITR 360 Values Through Story and Myth
PHIL 260 Sociological Theory
PHIL 270 Philosophy of the Arts
PHIL 280 Introduction to Political Philosophy
PHIL 300 American Political Theory
PHIL 330 Philosophy of Religion
PHIL 340 Logic
PHIL 382 History of Philosophy Seminar
PHIL 415 Contemporary Philosophers and Problems
Or any other philosophy course (with faculty approval)

ECON 340 Public Economics
ECON 360 Global Political Economy
HIST 310 Herbert Hoover and His Times
INTL 200 Cultural Geography
LEAD 491 Leadership Seminar I
LEAD 492 Leadership Seminar II
LEAD 493 Leadership Seminar III
LEAD 494 Leadership Seminar IV
PSYC 340 Statistical Procedures or SOCI 340 Statistical Procedures (highly recommended)
SOCI 260 Social Theory
SWRK 461 Social Policy I
SWRK 462 Social Policy II

Political Science Minor (18 hours)
PSCI 150 Introduction to Political Science
PSCI 320 Constitutional Law: Issues of National Power
Choose 12 additional hours of PSCI courses (6 of these hours must be originally listed as PSCI courses, and no more than 3 hours of internship credit may count toward minor)

PSYCHOLOGY

Psychology Major (B.A.)

MAJOR REQUIREMENTS

The key objective of the psychology major is to acquaint students with the field of psychology and the implications of its principles for human behavior. The bachelor of arts degree has a greater emphasis on applied learning than does the bachelor of science.

Special General Education Requirements
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Two courses from the following (6 hours):

Psychology Minor (18 Credits)
PSYC 150 General Psychology
PSYC 311 Child Development
PSYC 450 Systems of Psychology

Select one concentration:

Experimental Psychology
Choose three of the following:
PSYC 320 Introduction to Cognitive Science
PSYC 350 Social Psychology
PSYC 360 Learning
PSYC 370 Cognition
PSYC 391 Research Methods
PSYC 400 Psychometrics/Outcome Evaluation
PSYC 420 Abnormal Psychology
PSYC 460 Physiological Psychology

Counseling/Clinical Psychology
Choose three of the following:
PSYC 300 Group Dynamics
PSYC 330 Personality Theories
PSYC 350 Social Psychology
PSYC 381 Counseling
PSYC 400 Psychometrics/Outcome Evaluation
PSYC 420 Abnormal Psychology

Educational Psychology - Education Majors
EDUC 341 Learning Theory
EDUC 342 Inclusion
Choose two of the following:
PSYC 300 Group Dynamics
PSYC 312 Adult Development
PSYC 330 Personality Theories
PSYC 350 Social Psychology
PSYC 360 Learning
PSYC 370 Cognition
PSYC 381 Counseling
PSYC 400 Psychometrics/Outcome Evaluation

Educational Psychology - Non-education Majors
Choose three of the following:
PSYC 300 Group Dynamics
PSYC 312 Adult Development
PSYC 330 Personality Theories
PSYC 350 Social Psychology
PSYC 360 Learning
PSYC 370 Cognition
PSYC 381 Counseling
PSYC 400 Psychometrics/Outcome Evaluation

QUAKER STUDIES

Quaker Studies Minor (18 hours)
Take all of the following as a 9-hour core:

RELI 260 History and Doctrine of Friends
RELI 385 Quaker Seminar
RELI 480 Spiritual Formation
RELI/HIST 402 Christianity in History II

Choose one of the following:

BIBL 390 Biblical Basis for Peacemaking
HIST 220/420 War and Conscience in the United States
PSCI 310 Conflict Resolution

Choose two of the following:

PHIL 330 Philosophy of Religion
PSCI 310 Conflict Resolution
PSYC 440 Psychology of Religion
RELI/SOCI 230/430 Sociology of Religion
RELI/HIST 401 Christianity in History I

RELIGION

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 major must make formal application to the program. Each applicant shall:

Social Welfare Minor (18 hours)

SOCI 200 Social Issues

SOCI 260 Social Theory

SWRK 180 Introduction to Social Welfare

SWRK 330 Human Behavior in the Social Environment

SWRK 461 Social Policy I

Choose 3 hours from the following:

SOCI 360 Crime and Deviance

SOCI 380 Race, Ethnicity, and Class SWRK 320 Child Abuse and Family Violence

SOCI 410 Juvenile Delinquency

SWRK 400 Child Welfare Services

SWRK 450 Aging in Society

SWRK 485 Selected Topics

SOCI 390 Research Seminar
SOCI 410 Juvenile Delinquency
SOCI 450 Aging in Society
SOCI 475 Field Experience

SPANISH

Spanish Major (B.A.)

The Spanish major 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. In 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.

MAJOR REQUIREMENTS

Prerequisite for entry into the major: SPAN 202 Intermediate Spanish II or equivalent.
Requirements for a major in Spanish consist of a minimum of 39 hours, to include the following courses:

SPAN 301 Intermediate/Advanced Spanish I
SPAN 302 Intermediate/Advanced Spanish II
SPAN 340 Spanish Culture and Civilization
SPAN 350 Latin American Culture and Civilization
SPAN 375 Field Experience: Study Abroad (taken concurrently with SPAN 490 Study Abroad)
SPAN 410 Introduction to Spanish Literature
SPAN 420 Introduction to Latin American Literature
SPAN 480 Senior Capstone
SPAN 490 Study Abroad (16 credits taken in an approved study abroad program in a Spanish-speaking country, taken concurrently with SPAN 375 Field Experience: Study Abroad)

Spanish Minor (18 hours)

Prerequisites:

SPAN 201 and 202 Intermediate Spanish, or equivalent.

Choose one of the following options:

Option 1

Take 18 hours of the following:

SPAN 301 Intermediate/Advanced Spanish I
SPAN 302 Intermediate/Advanced Spanish II
SPAN 340 Spanish Culture and Civilization
SPAN 350 Latin American Culture and Civilization
SPAN 410 Introduction to Spanish Literature
SPAN 420 Introduction to Latin American Culture

Option 2

Take 16 credit hours in an approved study abroad program in a Spanish-speaking country.
SPAN 375 Field Experience: Study Abroad

SPAN 490 Study Abroad (16 hours minimum)
Credits abroad must be at 300-level or above.

TEACHER EDUCATION

Policies and Procedures

The teacher education program at George Fox University is designed to prepare teachers for careers in public and private schools through a curriculum that builds on a broad foundation in Christian liberal arts education through specialization in elementary education with methods, clinical studies in teaching, and learning theory. Teacher education and licensure in Oregon operates under the approved program approach. Teaching licenses are issued to qualified applicants who have completed a teacher education program approved by the Oregon Teacher Standards and Practices Commission (TSPC), and who are able to satisfy other state requirements in effect at the time they complete graduation requirements and apply for a teaching license.

George Fox University is approved by the TSPC to offer initial licensure for elementary education.

The university no longer offers undergraduate degree programs for the preparation of secondary teachers. Students who wish to teach at the secondary level complete a content major at the undergraduate level and prepare to enter a Master of Arts in Teaching (M.A.T.)

university does not guarantee admission to the teacher education program. This application must be directed to the teacher education department when the student is in his/her first

may be granted in writing by the chair of undergraduate teacher education on the basis of satisfactory evidence submitted by the student through one or more of these means:

1. Examination and/or demonstration of competence. The student may demonstrate competence in written or verbal ways or in the execution of specific tasks.
2. Experience. The student may request that recent directly related experiences be accepted in satisfaction for course work or field experience. The student is required to submit documentation to support this request.
3. The student may request evaluation of other academic work completed satisfactorily to be granted equivalent credit.

Elementary Education Major (B.S.)

The university offers a degree program for the preparation of elementary school teachers with ~~2~~ ~~Experiences at the Early Childhood~~ (age 3 years to grade 4) and ele elementE od ele elementEomp66(e)6(t)4(8)2

The TESOL minor provides a basic foundation for students who are interested in teaching English to speakers of other languages, including teaching English as a foreign language overseas, and tutoring or teaching English as a second language in local church or community programs.

Note: Students interested in pursuing TESOL as a profession should continue their studies at the graduate level. A master's degree program is recommended for those interested in teaching at a college or community college. Meeting state requirements for teaching in public schools requires an ESOL/Bilingual Endorsement, as described in the Educational Foundations and Leadership section of the George Fox University Graduate Catalog.

TESOL Minor (19-21 hours)

SOCI 310 Cultural Anthropology

Either COMM 340 General and Cultural Linguistics

OR EDUC 470 Applied English Linguistics: Oral and Literary

Either COMM 350 Introduction to TESOL

OR EDUC 473 Planning and Managing the ESOL/Bilingual Curriculum

Either RELI 360 Cross-Cultural Christian Outreach

OR EDUC 472 Intercultural Communication in the ESOL/Bilingual Context

Either EDUC 471 Second Language Acquisition

OR EDUC 474 Assessing ESOL/Bilingual Student Learning and Language Proficiency

One year of a foreign language

TESOL Minor Elective

COMM 465 TESOL Field Experience

THEATRE

Theatre Major (B.A.)

The key objective of the theatre major is to prepare students for entry into the competitive

Practicum (6 hours from the following courses)

THEA 165/365 George Fox University Players: Drama Touring Troupe

THEA 125/325 Theatre Laboratory (A, B, C or D)

THEA 275/475 Field Experience

THEA 495 Special Study

Writing Core

2 hours. This course will emphasize the mechanical aspects of accounting and will cover both manual and computerized accounting systems. The course is designed for the accounting major.

Prerequisite: ACCT 271 Principles of Financial Accounting.

4 hours each semester. A comprehensive study of generally accepted accounting principles,

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3 hours. Introduces students to materials, methods, and techniques used in painting with acrylics or oils.

Prerequisite: ARTS 111 Drawing, or instructor's permission.

3 hours. A survey of the elements and concepts of art theory and practice as reflected in culturally and historically significant painting, sculpture, architecture, and other art forms, from prehistoric times to 1450.

3 hours. A survey of the elements and concepts of art theory and practice as reflected in culturally and historically significant painting, sculpture, architecture, and other art forms, from 1450 to the present.

3 hours. Introduction to the materials, methods, and techniques used in sculpture.

3 hours. Introduction to the materials, methods, and techniques used in photography.

3 hours. An introduction to screen printmaking, and relief printmaking (woodcut, linocut, collagraph) techniques and methods.

3 hours. Introduction to the materials, methods, and techniques used for mixed media artwork.

3 hours. Introduction to basic hand-building techniques and surface design.

3 hours. Introduction to the materials, methods, and techniques used in graphic design.

1 hour. Explores contemporary artists and art movements, as well as issues and concerns relative to careers in the art marketplace.

1-3 hours. A lecture/studio class that deals with areas of interest in art, such as watercolors, calligraphy, or special topics in art history.

1-3 hours. Designed to give two emphases for the serious art student: to allow for further individual study in a medium or area in which no further courses are available, and/or to allow for study in an area for which the student may already have some background and in which no course currently is offered.

3 hours. Provides an opportunity for further development of skills and for the introduction of more advanced techniques.

Prerequisite: ARTS 201 Beginning Painting.

3 hours. Provides an opportunity for further development of skills and for the introduction of more advanced techniques.

Prerequisite: ARTS 221 Beginning Sculpture.

3 hours. Provides an opportunity for further development of skills and for the introduction of more advanced techniques.

Prerequisite: ARTS 230 Beginning Photography.

3 hours. An introduction to intaglio printmaking (etching, engraving, drypoint, aquatint) techniques and methods.

Prerequisite: ARTS 231 Beginning Printmaking.

3 hours. Provides an opportunity for further development of skills and for the introduction of more advanced techniques.

Prerequisite: ARTS 240 Beginning Mixed Media.

3 hours. An introduction to basic wheel-throwing techniques and surface design.

Prerequisite: ARTS 241 Beginning Ceramics.

3 hours. Provides an opportunity for further development of skills and an in-depth exploration of letterforms, typographic conventions, and production techniques.

Prerequisite: ARTS 250 Introduction to Graphic Design.

3 hours. Introduction of traditional illustration and commercial rendering techniques. Students will refine expressive, observational, and technical drawing, painting, and marker skills as they relate to illustration as a means of visual communication.

Prerequisites: ARTS 111 Drawing I or ARTS 112 Drawing II and ARTS 250 Introduction to Graphic Design.

3 hours. Offered 2004-05. Art and its relationship to European culture from 1600 to 1800.

3 hours. Offered 2005-06. Art and its relationship to Western culture of the 20th century.

3 hours. Survey of graphic communications throughout history, and the impact of technology on the visual qualities of graphic design, advertising, fashion, media, and industrial design. Beginning with prehistoric petroglyphs and concluding with the World Wide Web, course will

Prerequisite: ARTS 321 Intermediate Sculpture.

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

Prerequisite: ARTS 331 Intermediate 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.

Prerequisite: ARTS 341 Intermediate Ceramics.

3 hours. Advanced studies in the exploration of concepts for solving visual communications problems with emphasis on the use of design-specific software packages on pieces for students' professional portfolios.

Prerequisite: ARTS 350 Graphic Design 2: Typography.

3 hours. Design, use, production, and evaluation of product packaging, public graphics, and signage, including exploration of related material and environmental issues. Course will concentrate on computer-assisted production techniques, mock-up presentation, and portfolio development.

Prerequisite: ARTS 450 Graphic Design 3: Design Applications, or by permission.

3 hours. Offered 2005-06. A study of the relationship between art and Christianity in the contemporary world. Designed primarily for studio art majors.

Prerequisites: ARTS 381 Baroque and Rococo Art, or ARTS 382 Twentieth-Century Art, or ARTS 385 Selected Topics in Art History, and junior or senior standing.

3 hours. Students may petition to take ARTS 475 in place of ARTS 490. Field Experience provides on-site work experience at an approved business or institutional site. All majors electing ARTS 475 (in place of ARTS 490) will be required to prepare and present the results of their field experience in a format appropriate to their disciplines.

Prerequisite: art major with senior standing.

3 hours. All students graduating with a major in art will be required to exhibit their work in the Lindgren Gallery or other acceptable alternative location. This course includes the completion of a body of artwork for exhibition, writing a statement of artistic intent, and installing artwork in an exhibition space. Majors may petition to substitute ARTS 475 for ARTS 490.

Prerequisite: art major with senior standing, or by permission.

BIBLICAL STUDIES

4 hours. This course provides an overview of the history, literature, themes, major persons, and key events in the Bible. It provides a biblical foundation for the educational experience of the undergraduate students at George Fox University and is required of all first-year students, including transfers. It may be taken either semester of the student's first year and is a prerequisite for Bible enrichment electives that follow. Alternatively, students may opt to take the two-semester, 6-credit sequence: BIBL 101 and 102, and this option is strongly recommended for majors and minors in biblical studies, christian ministries, religion or philosophy.

3 hours each semester. Using selected books and portions, the Old and New Testaments will be studied with attention given to historic contexts, major religious themes, and literary forms of the Bible. Because these courses provide a foundation of Bible familiarity and reflective use, they are required of all freshmen and first-year students.

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, as co-laborers with Christ.

Prerequisite: BIBL 102 Literature of the New Testament.

3 hours each semester. Offered 2004-05. An extensive study of the mission and teachings of the New Testament church, as shown in the Acts and the Epistles attributed to Paul. Special attention will be given to ways early Christians dealt with struggles between Jewish and Gentile Christianity, and applications will be made for the church today. The fall semester studies Acts 1-15, Galatians, and Romans. The spring semester studies Acts 15-28 plus the other Epistles of Paul.

Prerequisite: BIBL 102 Literature of the New Testament.

3 hours. Offered 2004-05. As a study of the non-Pauline letters of the New Testament – Hebrews, James I and II, Peter, and Jude – this course explores the character of Jewish Christianity and its implications for the broader church.

Prerequisite: BIBL 102 Literature of the New Testament.

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

1-3 hours. Individual research. Open to qualified students upon application.

BIOLOGY

3 hours. A course to fulfill the general education requirement. Deals with the organization of living things, anatomy and physiology of cells and organisms, reproduction and heredity, and the role of energy in the ecosystem. Bioethical considerations are discussed. Two lectures and one two-hour laboratory per week.

4 hours each semester. 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 two-hour laboratory per week.

4 hours each semester. Structure and function of the human body. Fall semester topics include basic chemistry, body organization, integument, skeleton, muscles, and the nervous system, including special senses. Spring semester topics include cardiovascular, reproductive, endocrine, respiratory, urinary, and digestive systems. The course meets general education requirements and is designed for nonscience majors. Three lectures and one laboratory per week. BIOL 222 may be taken without BIOL 221.

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. Permission of the instructor and chairperson of the department is required.

2 hours. Offered 2005-06. A study of mechanisms involved in natural selection and

assumptions required. Topics include history of the theory, geochronology, molecular biology, developmental biology, paleontology, comparative physiology, biochemistry, and biogeography. The interface of evolution and Christianity are examined. Two lectures per week.

Prerequisites: BIOL 101 and 102 General Biology.

4 hours. Theories and study of differentiation as they apply to growth and development of animals, with some emphasis on the mechanism involved. Includes historical topics, fertilization, embryonic organization, cell induction, histogenesis, organogenesis, and developmental morphogenesis of echinoderms, frogs, chicks, and pigs. Three lectures and one three-hour laboratory per week.

Prerequisites: BIOL 101 and 102 General Biology, or BIOL 221 and 222 Human Anatomy and Physiology.

4 hours. Offered 2005-06. The comparative study of the structure and functional morphology of organisms in the phylum Chordata. Laboratory will emphasize dissection of representative vertebrate animals. Three one-hour lectures and one three-hour laboratory per week.

Prerequisites: BIOL 101 and 102 General Biology, or BIOL 221 and 222 Human Anatomy and Physiology.

4 hours. Investigation of physiological principles in animals, with emphasis on mechanisms of integration and homeostasis at cellular, organ, and system levels. Topics include muscular, neural, vascular, excretory, and endocrine interactions. Three lectures and one three-hour laboratory per week.

Prerequisites: BIOL 101 and 102 General Biology, or BIOL 221 and 222 Human Anatomy and Physiology.

3 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 three-hour laboratory per week, and one required field trip to the Malheur Field Station. Fee required.

Prerequisites: BIOL 101 and 102 General Biology.

1 hour. This course will introduce junior- and senior-level students to fundamental biological and chemical research techniques and will include topics of interest from both disciplines. Topics include records management, basic data analysis, experimental design, laboratory maintenance and safety, supply purchasing, chemical storage, and research ethics. Substitutes for 1 hour of Senior Seminar. One lecture per week. (Identical to CHEM 384.)

4 hours. Offered 2004-05. Collection, identification, classification, and morphology of vascular plants, with emphasis on the angiosperms. Three lectures and one three-hour laboratory per week, and a required field trip. Fee required.

Prerequisites: BIOL 101 and 102 General Biology.

4 hours. Offered 2004-05. A course in contemporary molecular genetics which will include the organization, storage, retrieval, and transfer of genetic information at the molecular level. Viral, prokaryotic, and eukaryotic systems will be examined. Laboratory will include practical experience with many methodologies important to this subdiscipline of biology. Three lectures and one four-hour laboratory per week.

Prerequisites: BIOL 350 Genetics and CHEM 325 Organic Chemistry.

4 hours. This course includes the study of cell physiology, energetics, neurobiology, muscle biology, and cell signaling. Other topics that will be discussed are cancer and immunology at

Prerequisites: BIOL 101 and 102 General Biology, or BIOL 221 and 222 Human Anatomy and Physiology, and permission of instructor.

1 hour each semester. Discussion-based course covering topics chosen by the professor. For biology majors with senior standing or by permission.

1-4 hours. Specific instructional programs, laboratory or field research, or independent study as planned under an advisor. A total of not more than 4 hours may be applied toward the major. For upper-division biology majors only. By permission.

1 hour. An independent study course for completion of a senior thesis. Required for all thesis-track majors in their senior year. Substitutes for BIOL 491 or 492 Senior Seminar.

BUSINESS

Additional courses are listed under [Accounting](#) and [Economics](#).

3 hours. This introductory survey will examine the major functional areas of business and afford the student an opportunity to consider this major as a path to a career. Emphasis is given to contemporary business concepts, in particular an examination of business as a field for stewardship.

3 hours. Statistical procedures with applications in management and economics. Emphasis on the development of a basic knowledge of the statistical tools available for analysis of problems and decision making.

Prerequisite: high school algebra or equivalent.

1-6 hours.

Supervised experiences in businesses, nonprofit organizations, and public agencies.

3 hours. A study of the theory and practice of management. The course involves discussion and application of areas such as social responsibility, strategy, problem solving, communication, change, job performance, and financial/operational controls.

Prerequisite: BUSN 110 Introduction to Business, junior status.

3 hours. An introduction to the finance function of a business entity. Specific topics to be studied include capital budgeting, cost of capital determination, sources of financing, leverage and its effect on the profits and risk of business, and managing the asset mix and capital structure of a business.

Prerequisites: ACCT 272 Principles of Managerial Accounting and BUSN 240 Statistics for Business and Economics.

3 hours

contracts, agency, negotiable instruments, and other phases of private law.

3 hours. An introduction to systems and development concepts, information technology (IT),

Prerequisites: CHEM 211 and 212 General Chemistry.

4 hours each semester. 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 three-hour laboratory per week.

Prerequisites: CHEM 211 and 212 General Chemistry.

4 hours. An introduction to the chemistry of substances involved in life processes. The structures, reactions, and energy transformations of these compounds are considered. Three lectures and one three-hour laboratory per week.

Prerequisites: CHEM 325 and 326 Organic Chemistry.

1 hour. This course will introduce junior- and senior-level students to fundamental biological and chemical research techniques, and will include topics of interest from both disciplines. Topics include records management, basic data analysis, experimental design, laboratory maintenance and safety, supply purchasing, chemical storage, and research ethics. One lecture per week. (Identical to BIOL 384.)

3 hours. Offered 2005-06. This course will emphasize advanced laboratory techniques for the ved in Id iS-6(empty

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. For upper-division chemistry majors only. By permission of individual faculty member.
Prerequisite: CHEM 384 Research Methods.

CHRISTIAN MINISTRIES

4 hours. A study of biblical principles of evangelism, nurturing, and teaching. This study encompasses the Christian educational responsibilities of the local church and parachurch agencies.

3 hours. Offered 2005-06. An exploration of the biblical foundations for a variety of outdoor activities available to individuals, families, church groups, and Christian camps. Of significant importance is a consideration of the potential that outdoor experiences have for teaching and learning.

1 hour. A campus leadership training program that links outdoor education, experiential learning, and team building. It is a guided, intentional use of the backcountry to assist developing students into campus leaders who are intentional about their roles as spiritual, community, and academic models. Open to current members of the residence life staff and the ASC Central Committee only. Pass/No Pass.

1-5 hours. Supervised internship in areas of Christian ministry, with emphasis on application of methods learned. Open to upper-division students only, by application.

2 hours. Offered 2004-05. An analysis of the concept of Bible teaching in a small-group setting. Classroom practice in using the various methods as they relate to home Bible studies, camp settings, or the Sunday school.

4 hours. A study of motivation, guidance, and method in reference to youth and youth ministries, aimed at developing leadership skills.

3 hours. A study of the historical background and philosophical development in Christian education, with an examination of the influence of these antecedents upon theory and practice. Contemporary trends in current and emerging ministries will be assessed against such perspectives.

3 hours. Offered 2005-06. A camping overview: its historical development and philosophy. Types of camps, program activities, teaching-learning models, leadership recruitment, and training – with special emphasis on methods of camp counseling – are covered. Overnight campout is required. (Identical to HHPE 370.)

3 hours. A study of theory and technique of person-centered 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. Open to sophomores and above. (Identical to PSYC 381.)
Prerequisite: PSYC 150 General Psychology.

as traditional media converges on the digital platform. Special attention will focus on designing nonlinear programs that allow flexible paths accessing information. Students will have the opportunity to experiment with creating media elements (audio, video, graphics, photography, and text) and organizing them into interactive CDs and Internet Web pages.

3 hours

1-3 hours. Individual study in an area of special interest to the student. Offered to exceptional students at the discretion of a faculty member.

COMMUNICATION ARTS

3 hours. An introduction to the study of human communication. Application of communication principles to interpersonal, group, and public contexts. Particular emphasis on the practice of public speaking. Students will prepare and deliver several oral presentations.

3 hours. A presentation of key principles of persuasion as they are reflected in typical organizational communication contexts. Focus on developing a planning sequence that will function as a practical guide for designing, executing, and evaluating communication events. Students will be expected to develop a "real world" communication event, e.g., publicity campaign, speech, newsletter.

Prerequisite: COMM 100 Introduction to Communication, or equivalent.

3 hours. Theoretical and reflective study and guided experience in dyadic and small-group communication, with attention given to relationships, listening behavior, nonverbal communication, and conflict resolution.

Prerequisite: COMM 100 Introduction to Communication, or equivalent.

3 hours. Survey of the historical development of newspapers, magazines, broadcast media, and cinema. Analysis of the role(s) of mass media in shaping and altering opinion and values in contemporary culture.

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.

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

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

Prerequisite: 6 hours of communication arts or media communication courses, including COMM 100 Introduction to Communication.

1-3 hours. Offered each term. Structured to give students experience in "real world" communication events, generally on campus. May be repeated for a maximum of 6 hours total. Pass/No Pass.

3 hours. Offered 2005-06. A study of communication principles found useful in managing conflict productively. Focus given to conflict occurring in institutional and organizational settings between individuals and groups, but attention also given to conflict in interpersonal, national, and international settings. (Identical to PSCI 310.)

Students will analyze their personal leadership styles and develop leadership communication skills through team projects and classroom exercises.

Prerequisite: sophomore standing or above.

3 hours

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, and sequential logic circuits, and design methods. Laboratory experience includes TTL logic circuits and 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.

3 hours. Offered 2005-06. 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 or ENGR 152 Engineering Principles II.

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, relative, indexed sequential, and others). Programming projects are completed in one or more high-level languages.
Prerequisites: CSIS 201 and 202 Introduction to Computer Science

3 hours. Offered 2005-06. This course provides an introduction to constructing complete information systems based on the client-server model. On the client side, we introduce graphical user-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 use of server-side 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 computer networks.
Prerequisite: CSIS 202 Introduction to Computer Science II.

3 hours. Offered 2005-06. An introduction to the strategies used in producing quality software. The life cycle of software development is presented and utilized. Larger projects are undertaken by teams of students in the initial phases.
Prerequisite: CSIS 202 Introduction to Computer Science II.

3 hours. Offered 2004-05. An introduction to the concepts of computer graphics, particularly those used with microcomputers. Basic programming and mathematical tools used in producing graphics.
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3 hours. Offered 2004-05. An introduction to digital computer hardware architecture and organization. Topics include digital logic, processor design, instruction sets, and system architecture. Programs written in assembly language will be used to gain hands-on experience with the underlying system architecture.

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.

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

Prerequisite: CSIS 471 Senior System Development I.

policies, as well as events and issues in the global economy. ECON 202 and ECON 201 are complementary courses; however, either course may be taken first.

3 hours. Offered 2004-05. 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.

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

3 hours. An integrated view of the world economy, with particular attention to such topics as economic growth, debt crises, the distribution of wealth and income, the relationships between economic and political systems, the economics of peace and war, and environmental issues.

Prerequisite: ECON 201 Principles of Macroeconomics or ECON 202 Principles of Microeconomics.

4 hours. The course will focus on the application of economic theory and quantitative methods to managerial decision making. Topics include analysis of consumer demand and market structure, pricing practices, production and cost analysis, optimization techniques, forecasting, and risk analysis.

Prerequisites: ECON 201 Principles of Macroeconomics, ECON 202 Principles of Microeconomics, and BUSN 240 Statistical Procedures in Business and Economics.

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 INTL 460.)

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

3-6 hours. Supervised experiences in business, financial and research firms, and government agencies. For upper-division students only, by permission.

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

2-3 hours. Subject matter and credit arranged for the needs of the individual student. For upper-division students only, by permission.

will be discussed. (This course is not part of the undergraduate elementary education major.)

1-2 hours. An elective field placement individually designed with approval of the instructor. Does not substitute for required field assignments; 40 hours fieldwork per credit is required.

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

2 hours. Examine and openly challenge knowledge, beliefs, and assumptions about the learning and teaching process. Engage in activities designed to enhance conceptual knowledge and connect it to procedural understanding. Explore what it means to teach mathematics in a standards-based system (i.e., using standards to plan instruction, using scoring guides to assess student work, critically examining curricula).

3 hours. Early childhood distinctives regarding growth, development, and learning, with attention to implications for classroom management and organization, parent involvement, and program operation.

3 hours. This methods course focuses on the formulation and implementation of developmentally appropriate curriculum, instruction, materials, and assessment for young children, ages 3-8 years. Student facilitators create and implement lesson plans with young children in an integrated curriculum in the content areas of art, health, language arts, math, music, and social studies.

Prerequisite: EDUC 321 Early Childhood Education.

tools for the ESOL classroom and on properly interpreting tests that are used for program placement.

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

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

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

Prerequisite: instructor's permission.

ENGINEERING

Electrical Engineering

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. (Identical to CSIS 220.)

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

4 hours. Basic concepts of DC and AC electrical circuits. Voltage-current relationships for circuit elements; Kirchhoff's laws; Thevenin and Norton theorems. Basic transient and sinusoidal steady-state analysis; phasor analysis; frequency response, resonance, and measurement concepts. Applications of the transistor and operational amplifier. Analysis and design aided by PSpice simulation software. Three lectures and one laboratory per week.

Corequisite: MATH 310 Differential Equations.

Prerequisite: PHYS 212 General Physics with Calculus.

2 hours. Introduction to the C programming language as a means to perform low-level access and control of hardware with a high-level language. Real-time computing, custom software applications, portability issues, and introduction to pointers. Applications to engineering problems, including data acquisition and control systems.

Prerequisites: ENGE 220 Digital Logic Design and MATH 202 Calculus II.

4 hours. Introduction to the terminal characteristics of active semiconductor devices. Operation and small-signal models of diodes, junction and field-effect transistors, and operational amplifiers. Basic single-stage and multistage amplifiers: gain, biasing, and frequency response. Switching characteristics of transistors in saturation and cutoff. Three lectures and one three-hour laboratory per week.

Prerequisites: ENGE 220 Digital Logic Design, ENGE 250 Electrical Circuit Analysis, and ENGR 250 Principles of Materials Science.

3 hours. Analog and digital applications of electronic devices: amplifiers, oscillators, filters, modulators, logic circuits, and memory elements. Feedback, stability, and noise considerations. Emphasis on practical design problems and the formulation of design

objectives. Two lectures and one three-hour laboratory per week.
Prerequisite: ENGE 311 Electronic Devices and Circuits.

3 hours. Fundamental concepts of continuous-time and discrete-time signals and systems. Linear time-invariant systems, the convolution integral, and impulse response. Fourier series and frequency domain analysis. Fourier, Laplace, and z-transform techniques. Principles of feedback, sampling, and modulation.
Prerequisite: ENGE 250 Electrical Circuit Analysis.

3 hours. Theoretical and practical aspects of electrical networks. Loop and nodal analysis of multi-port networks. Admittance, impedance, and transmission parameters; matrix solutions. Butterworth, Chebyshev, and other useful network response functions; network theorems. Synthesis of passive and active networks.
Prerequisite: ENGE 250 Electrical Circuit Analysis.

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 time-varying fields; wave propagation; Poynting's theorem. Numerical methods and computer simulation tools in electromagnetics are introduced.
Prerequisites: MATH 310 Differential Equations and PHYS 212 General Physics with Calculus.

3 hours. Offered 2005-06. Comprehensive coverage of analog and digital integrated circuit (IC) design utilizing current technologies and methodologies. Fabrication, packaging, and circuit techniques; design for testability. Very-large-scale integration (VLSI) and application-specific IC (ASIC) system aspects. Mixed-mode ICs. Extensive use is made of computer-aided engineering (CAE) tools in the design projects. Two lectures and one laboratory per week.
Prerequisite: ENGE 312 Applications of Electronic Devices.

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cellular communications and other modern systems. Propagation and reflection on ideal and lossy transmission media. Smith chart and S-parameter tools. Strip lines, microstrip and coplanar lines, and cross talk. Analysis and design of microstrip circuits. Introduction to antenna fundamentals. Includes computer and laboratory exercises.

Prerequisites: ENGE 312 Applications of Electronic Devices, ENGE 330 Signals and Electrical Systems, and ENGE 360 Electromagnetic Fields and Waves.

PrerequisiteMATH

3 hours. Offered 2005-06. The fundamentals of combustion science and engineering applications of combustion theory based on the background of chemistry, thermodynamics, fluid mechanics, and heat transfer. Stoichiometry, flame temperature, chemical kinetics, combustion of premixed gases, diffusion flames, single droplet combustion. Combustion of two-phase flow systems and ignition. Introduction to the quantitative analysis of products of combustion from the perspective of emissions and air pollution. Effects and sources of air pollution, models for predicting quantity, and

Collaboration with other departments of the university is encouraged.
Prerequisite: senior standing in the engineering major.

3 hours

speed, and study skills. Reading lab and vocabulary lab are required.

4 hours. This course provides training and practice in academic speaking and listening. Students give various types of formal speeches and learn strategies for taking accurate and comprehensive notes from academic lectures.

4 hours. In this course, students develop fluency and clarity in expressive and narrative writing and in academic writing assignments, including a research paper. Students develop composing, revising, and editing skills in a workshop atmosphere. Grammar and usage, punctuation, spelling, and format are addressed during the editing process. Another goal is to improve keyboarding and word-processing skills.

2 hours. Offered fall semester. An introduction to life at George Fox University. Through various group activities, intermediate-level students learn about life on campus, Christianity and chapel, study skills, and use of library resources. Students explore aspects of American culture and Oregon geography and history in food labs, field trips, and group projects. This course provides many opportunities for students to use English in communication and to practice skills consistent with their level. Pass/No Pass

2 hours. Offered spring semester. Through video, readings, and class discussion, students are introduced to the life of Christ and the foundations of Christianity. This course also provides a context for practice of English listening, reading, speaking, and writing skills.

Level C (Advanced)

3 hours. An intensive course to improve academic reading skills, including vocabulary, reading speed, reading strategies, and test taking. Assignments are based on class texts from the general education course in which students are concurrently enrolled. Reading lab and vocabulary lab are required.

3 hours. A practical course to help students improve their academic speaking skills, with emphasis on formal speeches, group presentations, small-group interaction, and pronunciation.

5 hours. This course provides instruction and practice in the types of writing commonly found in college courses, including the research paper, essays and essay exams, and reaction papers. Process, organization, and mechanics are emphasized. Principles of advanced English grammar and usage are applied in writing assignments.

3 hours. This course cultivates skills of listening and note-taking in academic lectures, including identifying main ideas and distinguishing supporting information, understanding relationships among ideas, and taking notes that reflect this understanding. Assignments are based on lectures from the general education course in which students are concurrently enrolled. Video lab and group tutorial are required.

Transition

3 hours. Occasional special courses chosen to fit the needs and interests of students interested in teaching English as a second language.

1 hour. Students in their first semester after completing the ELI and new students who score between 500 and 550 on the paper-based TOEFL or between 173 and 213 on the computer-based TOEFL meet individually with a faculty member to improve their ability to write in English and to develop more effective study strategies. Pass/No Pass

Teaching English

1-4 hours. Topics reflecting the special interest of students and faculty.

2 hours. Offered 2004-05. The planning, purchase, preparation, and service of foods. Emphasis on time, energy, and money manage

for a career in interior design, both private and professional. Emphasis on working with clients and development of a portfolio project.

Prerequisite: FCSC 351 Interior Design I, or instructor's permission.

3 hours. Offered 2005-06. An introduction to computer-aided-design applications using drafting techniques for interior design. Emphasis placed on space-planning principles.

Prerequisite: FCSC 351 Interior Design I, or instructor's permission.

3 hours. Offered 2005-06. Examination of the consumer as an active agent in the marketplace. Course defines contemporary consumption patterns and uses the decision-making process to familiarize the consumer with appropriate resource allocation to attain desired goals.

3 hours. Offered 2005-06. A study of the flat-pattern method of garment design. Each student will use advanced fitting principles to produce a basic fit garment and a personal sloper. The sloper will be used in the production of an original design using flat-pattern techniques. Included in the process is construction of the original design in half-scale and full-scale.

Prerequisite: FCSC 120 Apparel Construction.

3 hours. Offered 2004-05. Emphasis on clothing design by use of draping techniques. Course includes introductory unit focusing on computer-aided-design processes. Each student will complete an original design in half-scale using draping techniques.

Prerequisite: FCSC 120 Apparel Construction.

3 hours. Important events in history, combined with values, technology, and conflict, have

~~influenced the design of the 20th century. The course will explore the history of design from the Renaissance to the present. The course will explore the history of design from the Renaissance to the present. The course will explore the history of design from the Renaissance to the present.~~

FRENCH

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

3 hours each semester. An integrated introductory year-long study of the French language designed to develop basic speaking, listening, reading, and writing skills. Students will also be introduced to the cultures of the francophone world.

3 hours each semester. A systematic approach to the study of French with extensive practice in speaking and writing.

Prerequisite: FREN 102 Introductory French I or placement by exam.

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

2-4 hours. Occasional special courses chosen to fit the needs and interests of students and faculty.

1-4 hours. Individual study under the guidance of a faculty member, as determined by student needs and faculty availability. Students must have permission of the faculty member to enroll.

3 hours each semester. A thorough review of French to develop an intermediate proficiency in the language. Activities include reading authentic texts, writing short essays and developing conversational skills.

Prerequisite: FREN 202 Intermediate French II or placement by exam.

12-16 hours. A one-semester overseas experience. Students take university courses while living abroad in France. Application, completion of FREN 302, and junior standing or above required. All programs of study subject to the approval of the French faculty and the director of overseas study.

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1 hour. Offered online fall and spring. This course, for freshmen and sophomores, will cover learning about oneself, life mission, work skills, values, interests, and personality. Educational and occupational opportunities will be examined in light of this self-assessment, which will

Language lab listening and interaction are required.

3 hours each semester. Offered on sufficient demand. A thorough review of German language structures, with extensive practice in reading and speaking. Students read short stories and articles and present oral and written reports. Language lab listening and interaction are required.

Prerequisite: GERM 102 Introductory German I, or two years of high school German, or by

HUMAN PERFORMANCE

Activity

1 hour. The purpose of this course is to provide basic instruction in rock-climbing techniques. The course will cover belaying, knots, top-roped climbing, rappelling, and basic anchor setup. Students will be exposed to both indoor and outdoor rock climbing.

1 hour. Students will learn the skills and knowledge necessary to prepare for and enjoy a safe wilderness camping experience. Specific skills include planning and packing for a trip, choosing appropriate equipment and clothing, preparing nutritious foods while in the outdoors, managing risk and appropriately responding in emergencies, reading maps, route finding, using a compass, and using the wilderness responsibly and courteously.

1 hour. Each student will have the opportunity for a general education of the use of the bicycle as a tool for recreation, fitness, and a general knowledge of the essential aspects of maintenance and repair.

1 hour

skill, rules, etiquette, and strategy in racquetball.

2 hours. Students in this course will learn to think critically about their personal health and wellness in the context of Christian commitment. They will learn scientific principles of aerobic conditioning and weight training. Popular lifetime fitness activities will be introduced. Special emphasis will be placed on developing and maintaining lifestyle habits that optimize well being.

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 basic skills necessary to keeping alive in emergencies, and demonstrate ability to improvise in wilderness survival situations.

1 hour. This course is designed for students desiring to determine, achieve, and maintain their personal ideal body composition while enhancing cardio respiratory endurance and strength endurance.

1 hour. This course is designed for students who are unable to take regular 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 that program.

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.

1 hour. This course is designed primarily to introduce students to the basic principles and techniques of step exercise, to improve cardiovascular endurance, muscular strength and endurance, flexibility, agility, and motor skill performance. Emphasis will be placed upon identifying correct body alignment and postural deviations, proper use of step and strength equipment, and proper warm-up and cool-down stretches.

1 hour. This course is designed primarily to introduce students to the basic principles and techniques of cross-training exercise and to improve cardiovascular endurance, muscular strength and endurance, flexibility, agility, and motor skill performance. Emphasis will be placed upon identifying correct body alignment and postural deviations, proper use of step,

1 hour. Offered 2005-06. Instruction in concepts related to developing and maintaining physical fitness and movement skills.

1 hour. Offered 2004-05. Intermediate to advanced instruction in skills, teaching techniques, rules, and strategy for archery, badminton, and recreational games.

1-3 hours. Individual research under the guidance of the faculty.
Prerequisite: consent of the instructor.

2 hours

2 hours. Examines the knowledge, skills, and values that the entry-level certified athletic trainer must possess to recognize, treat, and refer, when appropriate, the general medical conditions and disabilities of athletes and others involved in physical activity. Students will be introduced and exposed to various health care providers. This course is offered every other year.

3 hours. Offered 2005-06. A camping overview: its historical development and philosophy. Types of camps, program activities, teaching-learning models, leadership recruitment and training – with special emphasis on methods of camp counseling – are covered. Overnight campout is required. (Identical to CHMN 370.)

1 hour. Supervised experience in an athletic training environment. Additional study required, with an emphasis on athletic training techniques and athletic injury management. Course to be repeated each semester. Permission required.

Prerequisites for HHPE 375: HHPE 390 Care and Prevention of Athletic Injuries and a declared Health and Human Performance major, Athletic Training concentration.

Prerequisite for HPPE 376: HHPE 375 Athletic Training Practicum I.

Prerequisite for HPPE 377: HHPE 376 Athletic Training Practicum II.

Prerequisite for HHPE 378: HHPE 377 Athletic Training Practicum III, HHPE 413 Therapeutic Exercise, and HHPE 414 Therapeutic Modalities.

3 hours. A study of theory and practice of experiential leadership in adventure and recreation education/programming. Leadership styles, techniques, methods and practices will be the core subjects taught in this highly experiential class involving an outdoor lab component.

1 hour. Offered 2005-06. An emphasis on the knowledge, skills, and values required of an

3 hours. The growth of the English nation from Roman times to the Glorious Revolution, with special attention given to constitutional and religious development.

3 hours. England in the modern age, emphasizing the response of its institutions to its rapidly changing role in the European and world communities.

3 hours. Explores the political, economic, social, an

3 hours. A study of the culture and counterculture of the 1960s and early 1970s, particularly as impacted by the war in Vietnam; a study of patriotism and protest.

3 hours. A study of the history and culture of Africa from the 15th century to the present, with emphasis on the last 200 years. Native cultures are examined, as is the role of European and Middle Eastern imperialism in the shaping of modern Africa. perience

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 a significant interest in international issues are welcome, with the consent of the instructor. A research paper based upon primary source materials is the main assignment of the course.

LEADERSHIP STUDIES

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 lives of undergraduates, how community is created, and how leaders function as models on a college campus. Open to current members of the residence life staff only. Pass/No Pass

1-3 hours. Designed to provide students with an opportunity to develop their leadership skills through work or volunteer experience. All leadership experience proposals subject to the approval of the leadership studies program directors. Possible placements might include leading a church youth group, directing a social-concern project, managing the campus radio station, or serving as a member of student government. Pass/No Pass

1 hour per semester/four semesters total. Integrative seminar linking leadership practicum, course work, and readings. Topics include servant leadership, transformational leadership, and leadership development. Occasional retreats and other off-campus activities. Pass/No Pass

1 hour per semester/four semesters total. Integrative seminar linking leadership practicum, course work, and readings. Topics include servant leadership, transformational leadership, and leadership development. Occasional retreats and other off-campus activities. Pass/No Pass

1 hour per semester/four semesters total. Integrative seminar linking leadership practicum, course work, and readings. Topics include servant leadership, transformational leadership, and leadership development. Occasional retreats and other off-campus activities. Pass/No Pass

1 hour per semester/four semesters total. Integrative seminar linking leadership practicum, course work, and readings. Topics include servant leadership, transformational leadership, and leadership development. Occasional retreats and other off-campus activities. Pass/No Pass

LITERATURE

3 hours. Explores the major genres, themes, and elements of literature.

3 hours. A brief survey of American literary history, combined with a close study of some of the most engaging works and writers in the tradition.

3 hours. An introduction to selected works in Western literature from the classical to modern periods, stressing those themes and forms that exemplify the ideals and concerns of our shared human condition.

3 hours. An introduction to selected works in non-Western literature, stressing those themes and forms that exemplify the ideals and concerns of our shared human condition.

1660. Particular attention is given to the Anglo-Saxon, Medieval, and Renaissance periods.
Prerequisite: Another LITR course or equivalent, or permission of instructor.

3 hours. A selective look at the literature of the British Isles during the Restoration, the Neoclassical, and the Romantic periods. Particular attention is given to the emergence of the novel and the poets who most clearly influenced the continuing development of poetry.
Prerequisite: Another LITR course or equivalent, or permission of instructor.

3 hours. A selective look at the literature of the British Isles during the Victorian, Modern, and Contemporary periods. Particular attention is given to the literature of doubt and faith, the development of the novel, and post-Colonial issues.
Prerequisite: Another LITR course or equivalent, or permission of instructor.

3 hours. A consideration of the life and works of the poet/playwright and the socio-political history of the Renaissance. The course will examine the sonnets and a selection of the plays from each genre: comedy, tragedy, history, and tragicomedy.

3 hours. Focuses on a major author or authors, changing from year to year according to the professor's expertise. The course considers the different phases of the career and development of the author's art, as well as the appropriate contexts in which she or he wrote, and his or her legacy for later writers. May be repeated for different authors.
Prerequisite: Another LITR course or equivalent, or permission of instructor.

3 hours. Examines the modern novel as a distinct 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 permission of instructor.

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

1-3 hours per semester. 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.*

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(i)-7(ng wil)rt229 0 Tdsformtl

Prerequisite: high school algebra or equivalent.

4 hours. A course for students who are preparing to take calculus or other courses requiring a similar background. In addition to studying the topics found in a college algebra course, this course will focus on trigonometry and an introduction to exponential and logarithmic functions.

Prerequisite: high school algebra or its equivalent. Students who have taken MATH 180 College Algebra may not take this course for credit.

3 hours. Offered 2004-05. A study of matrices and their properties and application, linear transformations, and vector spaces.

Prerequisite: MATH 301 Calculus III.

3 hours. Offered 2005-06. A study of sample spaces, combinatory methods, discrete and continuous distributions, moment-generating functions, and the central limit theorem.

Prerequisite: MATH 301 Calculus III.

3 hours. Offered 2005-06. A study of statistical methods – including estimators, confidence intervals, tests of statistical hypotheses, and correlation analyses – from a theoretical point of view, including applications.

Prerequisite: MATH 331 Probability.

3 hours. Offered 2004-05. 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. The course will emphasize historical development of the relevant topics.

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

3 hours. Offered 2004-05. A rigorous study of Euclidean geometry and an introduction to non-Euclidean geometries.

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

3 hours. Offered 2005-06. A study of groups, rings, integral domains, fields, polynomial rings, and algebraic number systems.

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

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

Prerequisite: MATH 301 Calculus III.

2 hours. Offered 2004-05. A seminar for junior and senior math majors to explore current topics selected by the instructor. Emphasis will be placed on significant student involvement in the classroom.

Prerequisite: junior or senior standing.

1-3 hours. Independent study of mathematical topics outside the regular offerings. Topics include advanced calculus, mathematical statistics, topology, real and complex analysis, and others. For upper-division mathematics majors only, by permission.

MUSIC

Applied Music

1 or 2 hours. Study of proper voice production, with emphasis on posture, breathing, and resonance. Studies from the standard repertoires, including English songs, Italian classics, German lieder, French art songs, oratorio and operatic arias, and selected contemporary works.

1 or 2 hours. Technical exercises, scales, and arpeggios in various rhythms; études of varying difficulty, 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.

1 or 2 hours. Basic study of pedal and manual techniques. Standard works from the Baroque, Classic, Romantic, and Modern periods.

1 or 2 hours. Instruction on violin, viola, cello, and string bass. Basic fundamentals, posture, bow, and arm techniques, shifting, and vibrato. Included are scale and arpeggio studies and works from the standard solo and orchestral repertoire.

1 or 2 hours. 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 orchestral repertoire.

1 or 2 hours. Instruction on trumpet, French horn, trombone, baritone, and tuba. Technical studies include tone production, scales, and arpeggios with various articulation. Works from the standard solo and orchestral repertoire are studied.

1 or 2 hours. Instruction on snare drum, tympani, the mallet instruments, and drum set. An in-depth study of all the percussion instruments used in the wind ensemble and orchestra.

1 or 2 hours. Study of playing techniques, with emphasis on chordal knowledge and basic strums. Solos and ensemble pieces will be included for each student at his or her performance level.

Ensembles

1/2 hour. The chorus is composed of members of all the university choirs. It also is open to all university students, faculty and staff, alumni, and community singers. The chorus, typically accompanied by orchestra, performs a significant sacred choral work from the choral repertoire each spring. Handel's Messiah is performed every third year.

through contemporary vocal jazz settings and Christian contemporary gospel. Members present concerts in the Portland region and participate in various campus concerts. Membership is by audition.

1/2 hour. A mixed choir that sings a wide variety of sacred and secular literature appropriate to their skill level. Students learn proper tone production, sight-reading skills and rehearsal techniques that will prepare them for Concert Choir and/or singing beyond graduation.

1/2 hour. This ensemble, composed of talented and versatile singers and instrumentalists, represents the university in churches, high schools, banquets, service clubs, and university functions. Their repertoire includes Christian contemporary settings, arrangements of traditional hymns and spirituals, and vocal jazz. Membership is selected through interviews and auditions with representatives of the music, development, and admissions departments.

1/2 hour. This musical ensemble shares its music with community agencies, churches, and university audiences. Limited to 12 members. Open to all by audition.

1/2 hour

MUSIC

Theory and Literature

2 hours. This course provides a fundamental understanding of music by considering the basics of musical construction, with examples drawn from the history of music. A study of musical notation, interval recognition, elements of pitch and rhythm, scale and chord construction, essential concepts in harmony, and basic musical forms. The student will be able to experience these fundamental concepts at the piano. No musical or keyboard experience is necessary.

2 hours. A study of various aspects and types of jazz, from blues to jazz rock. Students will

to accompanying choirs (both classical and gospel), small ensembles, and congregational singing.

2 hours. Introductory work with technological resources basic to work in the music field. Includes hands-on experience with MIDI and sequencing, music notation programs and desktop publishing, digital sound formats, and basic Web authoring.

1 1/2 hours. Introduction to the basic fundamentals of conducting for the music major, the music education major, and the future church musician. Emphasis is placed upon the mastery of simple conducting patterns, cues, and expressive gestures, and common problems in leading group singing and in directing musical ensembles.

2 hours. Through a variety of keyboard music (harpsichord, piano, organ, and synthesizer), students will acquire an understanding of diverse keyboard approaches from the Baroque through contemporary styles. Recommended for those especially interested in keyboard music.

4 hours each semester. A continuation of Theory I. Includes chromatic harmonies and remote modulations. Introduction to 20th-century harmonic usage. Creative work is required.
Prerequisite: MUSI 121 and 122 Theory I.

and period. Application to principal contrapuntal and homophonic forms of the Classic, Romantic, and Modern periods.

Prerequisites: MUSI 221 and 222 Theory II.

3 hours. Offered 2005-06. A study of music within the church, viewed historically from the early centuries through the needs of the contemporary church.

2 hours. Offered 2004-05. A practical course for pianists and organists seeking to discover creative approaches in programming and leading the congregation in inspirational worship and celebration.

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

Prerequisites: MUSI 222 Theory II (second semester) and MUSI 312 Music History II or equivalents, and junior or senior standing.

3 hours. Offered 2005-2006. Students will be introduced to the foundations of elementary music education including the National Standards and current teaching methodologies. Student observation and participation will provide the basis of an understanding of teaching music at the elementary level.

Prerequisite: MUSI 121 and 122 Theory I.

3 hours. Offered 2005-2006. Students will investigate the many special teaching demands of music education at the secondary level. Vocal and instrumental music ensembles will be studied to determine the special requirements of these performance groups. Music courses at the secondary level will be examined to determine their individual teaching methodologies.

Prerequisite: MUSI 121 and 122 Theory I.

1 1/2 hours. Individual lessons in composition. Continuing work in composition including (but not limited to) composition in larger forms, digital media, multimovement forms, exploration of style resources.

Prerequisite: MUSI 225 Composition I and admission to upper-division study, or instructor's permission.

2 hours. Offered 2005-06. A study of the instruments of the orchestra and band, including their ranges, characteristics, and capabilities. Practical application of the principles of arranging and scoring for orchestral/band instrumental combinations.

Prerequisites: MUSI 221 and 222 Theory II.

2 hours. Offered 2005-06. A course designed to acquaint the student with advanced choral and instrumental literature. Basic conducting patterns are reviewed and adapted to all aspects of conducting: syncopation, cuing, and expressive gestures.

Prerequisite: MUSI 200 Basic Conducting.

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

Prerequisite: permission of music faculty.

1 hour each semester. Students prepare a project in cooperation with a faculty advisor. The

project is presented before an audience and filed permanently in the music department.

world. Special attention is given to the issues of sovereignty, the United Nations, and international law. (Identical to INTL 230.)

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 urban government and regional planning.

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.

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.

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 HIST 280 and PHIL 280.)

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

3 hours.

developmental changes during the period of adolescence.

Prerequisite: PSYC 150 General Psychology.

3 hours. Offered 2004-05. This course provides an overview of the neuropsychological basis for mental functions including motor control, object recognition, spatial reasoning, attention, language, memory, and emotion. Methods of neuropsychological research are explored. Philosophical, mathematical, and computer related issues relevant to neuroscience and cognitive science are also presented.

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 synthesis of important elements of theory and Scripture.

Prerequisite: PSYC 150 General Psychology.

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

Prerequisites: high school algebra or equivalent.

3 hours. A study of the social and psychological processes of human interaction. Major topics to be covered include conformity, aggression, self-justification, persuasion, prejudice, attraction, and interpersonal communication. (Identical to SOCI 350.)

Prerequisite: PSYC 150 General 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 well as cultural influence on their thought, behavior, and relationships.

Prerequisite: PSYC 150 General Psychology.

3 hours. A survey of learning theories and the basic research questions being asked in this important field. Special emphasis will be placed on translating experimental theory into practical methods. Current approaches to learning and the impact of computer models on learning theory also will be explored.

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division majors only, by permission.

1 hour. Designed to address topics of interest to Friends and matters of 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.

3 hours. Offered 2005-06. The development of Christianity from its appearance within the Greco-Roman world through the medieval period, and its influence as a base for culture in the West. (Identical to HIST 401.)

3 hours. Offered 2005-06. 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.)

3 hours. A comparative study between Christianity and other prominent religions of the world, such as Buddhism, Islam, Hinduism, and contemporary kinds of alternative religion. (Identical to INTL 440.)

3 hours. Offered 2005-06. Selected movements, trends, and leaders of contemporary Christian missions are studied. Lectures, readings, and learning activities are chosen to provide tools and methods for continuing education in missiology.

2 hours. Certain Christian writings have endured the test of time and have been found to be a rich source of spiritual nourishment. A representative sampling of these significant works representing the life and thought of Christians from the second to the mid-20th century will be

3 hours. A study of the most pressing issues from both a national and international perspective. Focus will be upon urbanization, racial, and ethnic relations, and the natural environment. The structural, historical, and cultural roots of these issues will be discussed.

3 hours. A sociological examination to 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 RELI 230/430.)

3 hours. A critical study of major social philosophers from Comte to the present. Required for sociology and social work majors. (Identical to PHIL 260.)

Prerequisite: SOCI 150 Principles of Sociology or PHIL 210 Introduction to Philosophy.

3 hours. A study of marriage and the family from a sociological perspective, including historical, cross-cultural, and economic backgrounds. A Christian faith perspective will emphasize the worth of people, the importance of the family as a place of nurture, and the gift of marriage. (Identical to FCSC 280 and HLTH 280.)

1-3 hours. A seminar dealing with topics of special interest to students and current faculty.

3 hours. A study and application of principles and techniques involved in interaction of individuals within various groups. (Identical to PSYC 300.)

Prerequisite: SOCI 150 Principles of Sociology.

3 hours. This course considers the causes of international conflict and possible approaches to their resolution. An emphasis is placed on strategies to prevent and resolve conflicts without the use of violence (Identical to INTL 303 and PSCI 303.)

3 hours. A comparative study of world societies and their ways of life. (Identical to INTL 310.)

3 hours. A study of how societies construct gender similarities and differences. The impact of gender upon individuals and social institutions, and the implications of a sociological understanding of gender for the Christian faith will be explored.

3 hours. Applied statistics for the social and behavioral sciences. Emphasis is placed on statistical logic and decision making. Recommended for the sophomore or junior year. Required for sociology and social work majors.

Prerequisites: SOCI 150 Principles of Sociology and high school algebra.

3 hours. An interdisciplinary study of the history, problems, and present status, social attitudes, and generalist practice issues involved in working with people of differing racial, ethnic, and class backgrounds in the United States.

Prerequisites: *SOCI 150 Principles of Sociology, or instructor's permission.*

3 hours. An overview of quantitative and qualitative research methods in the social sciences.

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SOCI 150 Principles of Sociology, or instructor's permission.

students should have intermediate mid proficiency as defined by ACTFL.
Prerequisite: Placement test or SPAN 102 Introductory Spanish II.

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

2-4 hours. Occasional special courses chosen to fit the needs and interests of students and faculty.

1-4 hours. Individual study under the guidance of a faculty member, as determined by student

1-10 hours

16 hours minimum. A one-semester overseas experience. Students take university courses while living abroad in Spain or Latin America. Application and junior standing or above required. All programs of study subject to the approval of the Spanish faculty and the director of overseas study. Majors must also enroll in SP6(or s,ou)6(ni)-6(o 75 Fnce)]Ti

3 hours. An overview of generalist social work methods practiced with organizations and communities. Attention is given to assessment, planning, implementation, and evaluation of macro-level 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.

3 hours. Basic principles of child welfare, with emphasis upon the services for families and children needing various types of support.

Required for majors. This class is open to declared social work majors only.

Prerequisites: SWRK 475 Field Experience/Practicum I and SWRK 392 Social Work Practice II.

3 hours (150 practicum hours in the agency). Ideally, SWRK 476 and 477 will occur in a full-year practicum during the student's senior year. The third course in the field

2 hours. Focus on development of improvisational skills through structured and directed psychological, physical, and social exercises. May be repeated once for credit.

and artistic research, comprehensive structural analysis, scene work, the creation of composition, stage pictures, blocking, rhythm, tempo and an exploration of the working relationships with actors and design teams. This course requires additional outside-of-class time for rehearsal and performance of selected material.

Prerequisite: THEA 100 Acting I - Fundamentals.

3 hours

3 hours. This course will help those who want to understand and to be able to explain to others what can be done to make writing correct, clear, and precise. Focuses on constructing, editing, and correcting sentences and paragraphs. This is not a remedial course.

3 hours. A course designed to give fundamental knowledge and experience in reporting, writing, and editing news for the print media.

Prerequisite: WRIT 110 Freshman Composition or equivalent, or permission of instructor.

3 hours. An approach to writing and literature using personal experience to explore events, places, and people through recollections, interviews, diaries, journals, and the personal essay. Selected writers, ancient to contemporary, will be studied as representative models of the form within the genre.

Prerequisite: WRIT 110 Freshman Composition or equivalent, or permission of instructor.

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

3 hours. Centers on the study and practice of writing used by communication-writing professionals and others in organizational contexts. Particular emphasis is on desktop publishing and promotional types of writing, including design and production of brochures, newsletters, news releases, memos, position papers, and other promotional pieces.

Prerequisite: WRIT 110 Freshman Composition or equivalent, or permission of instructor.

3 hours. A workshop approach to the writing of nonfiction articles and other shorter nonfiction forms for periodical magazines. Student-produced material will be submitted to various magazines as part of course expectations. Special attention will be given to Christian periodical markets.

Prerequisite: WRIT 110 Freshman Composition or equivalent, or permission of instructor.

3 hours. A workshop approach to the writing of fiction. Students will write and prepare for publication original works.

Prerequisite: WRIT 110 Freshman Composition or equivalent, or permission of instructor.

3 hours. A workshop approach to the writing of poetry. Students will write and prepare for publication original works.

Prerequisite: WRIT 110 Freshman Composition or equivalent, or permission of instructor.

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

ACADEMIC SUPPORT PROGRAMS

Academic Symposia

Each year, George Fox University hosts numerous academic symposia as well as faculty lectures, some of 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 Herbert 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 a 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. It is housed in the same location as the Center for Global Studies (described below) and 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 committed to 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

This is a new program established in the summer of 2004 that draws together some existing global programs and organizes new initiatives in this field. It is jointly housed with the Center for Peace and Justice described above and the same individual directs both programs. Its goal is to deepen students' understanding of global issues through on-campus and off-campus experiences.

Among the programs either sponsored by the center or coordinated with the center are these:

- Semester-long programs of study in various parts of the world and in the United States
- Cooperative programs with various international universities
- Global service fair in the spring semester.
- Events that inform students about global issues
- Information about internships and careers dealing with global issues

Computers Across the Curriculum

This program provides a computer for every

connected to upper-division classes of their choice, unique opportunities to add near-graduate-level scholarship to their undergraduate experience.

Senior University Scholars undertake a challenge that combines top-level 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 their transcripts and diplomas, and at graduation. Credits they receive as University Scholars can be used to substitute for some regular general education requirements.

May Term

This two-, three-, or four-week academic session is used for a variety of domestic and international study tours, regular courses, experimental and enrichment courses, and seminars covering topics of current interest. Juniors Abroad study tours normally occur during this time. May Term offerings are detailed on the class schedule and on supplemental bulletins.

Summer School

In recent years, George Fox University has not sponsored regular undergraduate classes in a summer school. Students have been encouraged to use the summer for work, travel, and

Program, Los Angeles Film Studies Program, China Studies Program, Russian Studies Program, and the Oxford Honors Program. CCCE permits students to enroll for one semester at one of the 12 other member institutions or to participate in the Africa Studies Program. Other study opportunities are described below.

To participate, students must apply to the program and complete a George Fox application. Students normally participate in programs during the second semester of their sophomore year, their junior year, or the first semester of their senior year. Because a limited number of students will be approved to participate, students may enroll for one off-campus semester-long study program during their undergraduate studies.

George Fox student participants must be approved by a campus selection committee. Selection will be determined based on the student's academic and citizenship standing (minimum 3.0 grade point average required) and on the applicability of the study program to the student's major field of study. Applications for participation are available in the registrar's office.

A student may not be considered in good standing and/or to have citizenship standing if he or she:

- Has more than two semesters of Spiritual Formation credit deficiency.
- Has been in violation of the lifestyle agreement within the two semesters prior to application for one of the above programs. Violations of the lifestyle agreement may include, but are not limited to, alcohol and drug use/abuse, tobacco use, sexual immorality (including adultery, homosexual behavior, and premarital sex), gambling, and the use, viewing, or possession of obscene or pornographic articles and/or literature.
- Is on Office of Student Life probation. Probation may include occasions in which the student has signed a behavioral contract with the Office of Student Life. Behavioral contracts are generally utilized for violations of the lifestyle agreement, but can also be used for violations of the residential life policies, such as violation of floor hours, etc.

American Studies Program

The American Studies Program, sponsored by the Council for Christian Colleges and Universities (CCCU), is designed for juniors and seniors with a wide range of academic majors and vocational interests. Students are involved in the American Studies Program for periods of three or four months. The internship/seminar opportunity is available starting in September and in January.

The American Studies Program was created to provide field experience and study opportunities in Washington, D.C., for diverse majors and personal interests. The program is based on the principle of integrating faith, learning, and living through both a real-life work experience and a study program. Students spend their time in Washington serving as interns, participating in a contemporary, issues-oriented seminar program, and living in a small Christian community. Internships are available in congressional offices, social service agencies, think tanks, cultural institutions, and many other organizations. Further information and application forms are available from the registrar.

Consortium Visitor Program

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

Although spending a semester at another Christian institution can be very beneficial, there are budgetary limits on the number of students that can be approved for off-campus, semester-long 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 been approved by the selection committee.

Selection to the above programs 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.

Field Education

This program, commonly referred to as "field experience," "internship," or "cultural experience," usually takes place off campus, yet is an integral part of the student's academic experience. Its purpose is to promote personal and career development by integrating classroom study with planned and supervised practical experience in vocational, educational, or cultural activities outside the classroom.

Enrollment in field education is an elective option in certain majors and a requirement in others. Refer to each program to determine how it applies. The program is open to George Fox University students only.

Two types of off-campus experiences are available: career and cultural. The career-oriented field experience focuses on two levels, which are "exploratory" (275) and "preparatory" (475). These two levels provide opportunity for initial exposure to a career-interest area and for realistic preparation toward a chosen field. The culture-oriented field experience (GEED 375) is designed to encourage a short-term residence in a different cultural setting, e.g., foreign country, inner city, rural community.

Academic credit may be earned through participation in an approved field education program. A full-time student may generate up to 12 hours during one semester. Part-time involvement can generate credit at the same rate as other methods of learning. Thirty to 45 clock hours per semester are required for one hour of credit. A maximum of 20 hours may be accumulated in field education between numbers 275, 375, and 475. Twelve hours are allowed between the career-oriented options, 275 and 475. Normally, the three alternatives are broken down as follows:

- ___ 275 1 to 3 hours
- GEED 375 2 to 12 hours
- ___ 475 2 to 12 hours

Applications for field experience should be requested through the registrar. Applications must be completed, approved by the department chairperson, and submitted to the registrar for enrollment. The vital link to a successful field experience is the faculty sponsor o4in fig y5i3quentcareer-mb21w 0

Los Angeles Film Studies Center

Under the direction of the Council for Christian Colleges and Universities, the Los Angeles Film Studies Center makes a "Hollywood Semester" available to upper-division George Fox University students who qualify and who are accepted. Its purpose is to enable college students to serve in various aspects of the film industry with professional skill and Christian integrity.

Located in Burbank near major production studios, the semester-long program combines seminar courses with internships in various segments of the film industry, providing the opportunity to explore the industry within a Christian context and from a liberal arts perspective.

The Los Angeles Film Center program may be of particular interest to students majoring in cinema and media communication with a concentration in film studies. Students who complete the semester may then apply for a semester-long internship in their field of interest. See the registrar for further details and application forms.

OICA Cross-Registration

A full-time student may take one course a semester for no additional tuition (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 selected. Cross-registration is initiated by application through the George Fox University registrar.

Oregon Extension

The Oregon Extension offers a fall semester of community living and interdisciplinary studies. Forty students from across the country earn 15 hours credit in eight disciplines, studying one course at a time and living in wood-heated cabins in the Cascade Mountains of southern Oregon. Open to juniors and seniors (and determined sophomores) with a 3.0 grade point average, the seminar-style program focuses on contemporary society, human stories, and social theory as they relate to Christianity. Small group discussions and writing tutorials ensure increased academic confidence in speaking, writing, and critical reading. Backpacking, rafting, a San Francisco trip, and no weekend assignments round out the program. Participation is based on being selected by a faculty committee and is affected by the availability of university funds for off-campus study that particular year.

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 offered on 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, 503-283-7216.

Overseas Study Programs

1. 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 overseas study.
2. 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 exceed the 18 hour limit.
3. Students will pay room and board in advance for each tour, to be economically arranged by the university. For the typical Juniors Abroad study tour, the university will pay the full transportation cost for eligible students. On occasion, a tour with unusually high costs may involve a transportation surcharge.
4. Students must have a minimum cumulative grade point average of 2.0 at the end of

Oxford Honors Program

Junior and senior honors students will have the opportunity to study in England by participating in an interdisciplinary semester in Oxford through a partnership program with the Centre for Medieval and Renaissance Studies, affiliated with Keble College of the university of Oxford. Under the guidance of the Council for Christian Colleges and Universities, students will take part in two self-designed tutorials, a small-group seminar, and an integrative survey course. The semester will also include travel to significant historical and cultural sites in England.

Russian Studies Program

Based in Moscow, St. Petersburg, and Nizhni Novgorod (formerly Gorky), the Russian Studies Program, under the direction of the Council for

Universidad de Mexico. They may also elect to take regular college courses at the university. There is an additional fee for this program. Application to the program must be coordinated with foreign language faculty. Students must complete forms related to off-campus study available in the registrar's office.

Further Information

For further information and application materials for the above programs and other overseas opportunities, contact the director of overseas study or the Office of the Registrar.

Students must submit both the specific program application and the George Fox application for participation.

ACADEMIC POLICIES

Academic Sessions and Credits

at George Fox University is divided into two semesters of 15 weeks, including a four-day examination period, plus orientation and registration. In addition, George Fox offers May Term courses, a limited summer program for undergraduates. Occasional short courses and overseas study experiences also are offered. The unit of credit is the semester hour, which normally is granted for the satisfactory completion of a course meeting one period (50 minutes) per week for one semester. Credit for all courses is indicated in semester hours. All student requirements, advancements, and classifications are based on these units.

Class Attendance

The responsibility rests with the student to maintain standards of satisfactory scholarship.

Full-time students are enrolled for a minimum of 12 hours in a standard semester for the undergraduate program. Generally, only full-time students may represent the university in an official capacity, may hold a major office in an organization, or may live in university housing.

Students who have satisfied entrance requirements and are following a program leading to a degree are called regular students. They are classified as follows:

- Freshmen: students who have completed fewer than 31 semester hours
- Sophomores: students who have completed 31 semester hours
- Juniors: students who have completed 62 semester hours
- Seniors: students who have completed 93 semester hours

This classification includes nondegree students generally enrolled for fewer than 12 semester hours. Any special student wishing to enter a degree program must fulfill regular admission requirements.

A student whose cumulative GPA falls below the level established for academic progress (see Academic Progress and Eligibility) will be classified as a probation student. A student placed on probation status may continue to receive financial aid, subject to financial aid policies. An applicant who does not meet expectations for admission may be admitted as a provisional student. Provisional undergraduate students are generally required to participate in the George Fox University Academic Success Program (see On-Campus Academic Programs).

Undergraduate students admitted provisionally may not enroll for more than 14 or 15 hours in the first semester and must include at least one semester of WRIT 100 English Skills. At the completion of a term, the Academic Standing Review Committee considers each provisional student's achievement to determine that sufficient progress has been made for continuance.

Services to Disabled Students

Instructional assistance for disabled students is available through the learning laboratory. Where necessary, course requirements are reasonably adjusted based on students' requests and appropriate documentation.

Disabled students needing accommodations in their program or living situation should contact the Director of the Academic Resource Center and Disability Services, 503-554-2314, well in advance of attendance, so that specific attention can be made to assist in providing living arrangements and learning accommodations. More information is available at georgefox.edu/offices/disab_services.

Registration

The Office of the Registrar maintains student registration for classes, degree audit information, and grades. Students may change their academic majors and advisors and order transcripts through this office.

All students are expected to register [online](#), within the time period designated on the university calendar and to begin classes on the first day. In addition, each student should be aware of the regulations that appear under Course Numbering System.

Academic Advising

initial academic advisement by an admissions counselor. However, all new freshmen are assigned a freshman advisor as part of the Freshman Seminar. This advisor will serve as the academic advisor for the freshman year and will also teach a section of the Freshman Seminar. Freshmen will select a faculty advisor in their area of interest prior to their sophomore year.

Each returning, transfer, and readmit full-time student is assigned a faculty advisor to provide guidance in planning an academic program. This advisor may be changed by request as a student develops an interest area and forms natural lines of helpfulness and acquaintance. Other instructors, teachers, and administrators may serve as resource persons in guidance and counseling.

It is the responsibility of the student to become familiar with policies and procedures outlined in the catalog. For example, many upper-level courses are offered in alternate years, but this should not be a problem if there is advance planning and if courses are taken in the proper sequences. Advisors will aid as requested, but students must be responsible for their own programs.

Academic Load

will be determined in conference with the student's advisor. Sixteen hours per semester is a normal university load. Students who carry fewer hours are adding considerably to the cost of education by extending the time involved to earn their degree. Ordinarily, the first-semester freshman will register for no more than 16 hours. Provisional students will be limited to 14 or 15 hours. No student may enroll for more than 20 hours, except by special permission of the faculty advisor and the registrar.

The following is suggested as a satisfactory relationship between the student's academic load and his or her on- or off-campus work:

Academic Load	Work
15-17 hours	Not more than 18 hours
12-14 hours	Not more than 24 hours
10-12 hours	Not more than 30 hours

A common rule of thumb is to anticipate three hours of study for each hour of class. Classes that meet more frequently per week than the credit given will demand less outside study.

Registration Changes (Add/Drop)

, registration changes (add or drop) must have the approval of the student's advisor and consent of the instructor.

The last day to add or drop courses or to exercise a pass/no pass option is established in the [university calendar](#).

Course Withdraw

from a course must complete a course withdraw form available from the Office of the Registrar. Without submission of the form, an F is recorded for all courses involved. There is a fee of \$10 for a course withdraw.

Withdraw from a course (with a W) must be completed within the first nine weeks of the semester. Beyond this date, a petition to the vice president for academic affairs is required, and cause (emergency conditions) must be established.

Official Withdraw Process From the University

to officially withdraw from all course work at George Fox University either during or at the end of a semester/enrollment period, the student must notify the registrar's office directly to initiate the withdraw. An official withdraw begins when a student submits a completed withdraw form with required approvals to the registrar's office. Additional information is available in [the Withdraw Process](#) section of the Compliance with Federal Laws and Regulations portion of the catalog.

The Grading System

A student's semester grades, with a semester GPA and a cumulative GPA, are posted on the grade report and are available to the student two weeks following the close of each semester. The GPA is based on George Fox University credits only.

the instructor's evaluation of the student's daily participation in class, performance on periodic tests, work on research papers and class projects, and achievement on final examinations. Grade points are assigned for each hour of credit earned according to the following system:

A	Superior	4
A-		3.7
B+		3.3
B	Good	3
B-		2.7
C+		2.3
C	Average	2
C-		1.7
D+		1.3
D	Passing but inferior	1
F	Failling	0
I	Incomplete	0
W	Official withdraw	0
X	No grade reported by instructor	0
P	Pass (average or above)	0
NP	Not passing	0
L	Long-term	0

financial aid, see the Financial Aid Section. In addition, their academic standing will be affected as described below.

Academic Warning, Probation, Suspension, and Dismissal

Whenever the GPA for a given semester is below 2.0, but the cumulative GPA is at or above the required minimum for satisfactory academic progress, the student receives an academic warning. This warning is not a part of the student's permanent record, but it does alert the student to potential difficulties and to potential loss of financial aid eligibility. The student is encouraged to contact his or her academic advisor, who will assist in the development of

financial aid eligibility. A student who has lost aid eligibility due to insufficient satisfactory academic progress and who is wishing to appeal to have his or her financial aid reinstated must indicate so in the academic appeal process. Additional information is available in the Office of Academic Affairs and the Student Financial Services office.

Final Examinations

Students are required to take final examinations as specified in course syllabi. The final examination schedule covers the last four days of each semester. The schedule is available [on the university's web site](#). Finals for evening classes take place during finals week, on the evening the class has been held. The entire last week of each semester will be kept free of institutionally sanctioned extracurricular activities, with the exception of prescheduled intercollegiate athletics events. Students wishing to apply for change of final exam time must apply by the end of the 10th week of classes.

Academic Honesty

It is assumed that students at George Fox University will endeavor to be honest and of high integrity in all matters pertaining to their college life. A lack of respect and integrity is evidenced by cheating, fabricating, plagiarizing, misuse of keys and facilities, removing books and other property not one's own, defacing and altering, and the disruption of classes.

Cheating is defined as "intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise." It is assumed that whatever is submitted by a student is the work of that student and is new work for that course. Fabrication is "intentional and unauthorized falsification or invention of any information or citation in an academic exercise or form." Plagiarism is "intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise." One who facilitates any of the above is equally responsible with the primary violator.

Penalties may include restitution, an F on an individual paper or exam, loss of campus position or employment, an F on a course, disciplinary probation, removal from extracurricular or athletics activities, and suspension.

Graduation Requirements

a bachelor of arts or a bachelor of science degree must meet the following requirements:

1. Accumulate at least 126 semester hours with a minimum cumulative and major GPA of 2.0. The GPA is computed on work taken at George Fox University only; (Engineering majors must accumulate at least 129 semester hours.)
2. Accumulate at least 42 upper-division semester hours (courses numbered 300 or above);
3. Complete the general education requirements;
4. Complete a major in a chosen area with no grade below a C-;
5. Complete at least 30 semester hours in residency (20 hours must be in senior year; 20 of the last 30 hours must be completed at George Fox University);
6. Complete at least 10 hours of one's major in residency;
7. File an Application for Degree form not later than completion of 93 semester hours toward graduation (normally two semesters before expected graduation);
8. Pay in full all accounts at Student Financial Services. In order to participate in commencement and baccalaureate ceremonies, a student must have completed all degree requirements. Exceptions include a student registered for a postcommencement May Term course that is part of the degree program, and a

fourth-year engineering student eligible for the B.S. degree in applied science whose first year in a cooperating engineering school may not be completed at the time of the George Fox University commencement.

Second Degree

A student wishing to receive a second or concurrent degree must meet the following requirements:

1. Complete a minimum of 30 semester hours for the "second" degree above the minimum 126 hours required for the "first" degree;
2. Meet the general education and major requirements for each degree;
3. Be in attendance the last two semesters or 30 hours preceding the awarding of the "second" degree;
4. Pay an additional \$20 graduation fee if participating in one ceremony; otherwise, pay an additional \$50 graduation fee for the "second" degree.

The above requirements also apply to students who earned their first bachelor degree at another institution. For these students no general education is required unless the major has specific general education requirements which must be satisfied. Transfer credit w generat wemgenes0 -1.0.00224

ADMISSION

Basis of Undergraduate Admission

9. A health history form is sent to each student who has paid a tuition deposit. This must be completed personally and sent to the address on the form. Registration will not be considered complete without the questionnaire. Immunizations must be documented as indicated on the Certificate of Immunization Status form.

Policies

Students who have completed work at other educational institutions may be entitled to advanced standing by presenting official transcripts. George Fox University applies the accepted credits toward the general education requirements, electives, and the student's chosen major. Certain criteria are involved in the evaluation:

1. Only course work with a C- or better grade will be accepted. (The GPA does not transfer. A student's GPA is computed on work at George Fox University only.)
2. A maximum of 64 semester hours may be transferred from community colleges. Each course from community college programs, except for courses completed in either the Oregon Transfer Associate of Arts (OTAA), or the Washington Transfer Associate of Arts degree (WTAA), is evaluated by the registrar for application to George Fox University requirements.
3. The OTAA or WTAA degree will satisfy all general education requirements except Bible and religion provided students complete 90 quarter hours (60 semester hours) of transferable credit graded C- or better. The OTAA or WTAA degree may not necessarily meet school, department, or major requirements with regard to courses or GPA.
4. A maximum of 40 semester hours of Bible and Christian ministries may be applied on a degree in a major other than Bible and Christian ministries.
5. A maximum of 15 semester hours of approved correspondence work may be applied toward a degree program.

Any evaluation of transfer credit is to be considered tentative until the student has completed 12 hours in good standing.

Each student must complete a minimum of 30 semester hours in residence for the bachelor's degree. Twenty hours must be in the senior year. Additionally, transfer students must complete at least 60 hours at George Fox University to be eligible for honors at graduation.

Homeschool Students

as an important form of education and has enrolled numerous homeschooled students through the years. We are looking for students who are interested in learning and integrating their faith with education. Students who attended homeschool during their high school years may be admitted to the university by following the [admission procedures for freshmen](#)

- An applicant must have completed the sophomore year of high school.
- An applicant who has completed the senior year of high school is not eligible.
- Early admission students must receive grades of C or better to remain in the program.

Students registered for 12 hours or more per semester	\$100 per semester
Students registered for 5-11 hours per semester	\$50 per semester
This fee covers the cost of student activities, class dues, social events, the Student Union Building, and subscriptions to Associated Student Community publications.	
Health/Counseling Fee	\$55 per semester
This fee provides free access to the physicians, nurse, and counselors in Health and Counseling Services.	
Application Fee (nonrefundable, submitted with application for admission)	\$40
Tuition Deposit	\$300

Balances not paid according to payment schedule are subject to a 1-percent-per-month service charge on the unpaid balance. Participants in the monthly payment plan will be assessed a \$20 late fee for payments not received by the 15th of each month.

Insufficient Funds fee per check or failed automatic debit \$25

George Fox University requires full-time undergraduate students to carry medical insurance and provide proof of coverage. Students who do not document coverage are generally required to enroll in the University's Student Major Medical Insurance Plan. Information on this plan can be obtained from the Health and Counseling Services.

The premium is subject to change each year but is approximately \$1,000 for 12 months, payable on the first-semester billing. Coverage is available for students only and is not available for spouse or dependents. Students who need insurance beginning spring semester may enroll by notifying Health and Counseling Services during the fall semester.

Student vehicles must be registered with Security Services, and a nonrefundable parking fee paid.

Per semester \$30

Annual \$50

Parking violations (each) \$15-100

Room and board are furnished to resident students as indicated in the

1. Continuing students who will live in university-owned housing during the upcoming year are not required to pay a housing deposit to secure their housing assignment. They are, however, required to sign up for housing.
2. To do so students must be financially eligible which requires that they be current on payment arrangements.

Financial Arrangements

All charges made by the university are due August 15 for fall semester, December 15 for spring semester, or may be made on an installment basis through an approved monthly payment plan (an enrollment fee applies.) Students receiving scholarships, grants, or loans must complete all necessary arrangements well in advance of the semester start. Students who are securing a loan from financial institutions or agencies (e.g., a federally insured bank loan) that may still be pending when payment is due must have a letter of commitment from the lender acceptable to the university. Service charges will be made on unpaid accounts even though financial aid and loans are pending, so the application process should be started early.

Earnings from Student Employment positions are generally paid directly to the student although arrangements to have a portion of the wages applied directly to the account may be made in the Student Financial Services office. There are a limited number of jobs (about 700) available on campus, fewer than the number of students with student employment awards. Receiving this award does not guarantee a job, but it is rare for a student who is awarded student employment to not find employment.

Payment for May Term and summer tuition is due in full when billed.

Students may be asked to leave at any time during a semester if the arrangements made at the beginning of the semester are not honored.

The university will withhold transcript of records and diploma until all university bills have been paid. Students will not be permitted to attend for a new semester, including May Term, Juniors Abroad, and summer field experience, until all bills are paid for the previous session.

Removal of Institutional Charges and Financial Aid Policies

The term "Title IV Funds" refers to federal financial aid programs authorized under the Higher Education Act of 1965 (as amended). At George Fox University, these programs include unsubsidized Stafford Loans, subsidized Stafford Loans, Perkins Loans, PLUS Loans, Pell Grants, and Supplemental Educational Opportunity Grants (SEOG). Federal Work-Study wages are not included.

The term "Institutional Financial Aid Funds" refers to George Fox University financial aid dollars, including grants and scholarships.

The "Return" of funds, either Title IV or institutional, refers to the removal of amounts charged, or scheduled to be charged, to the student account.

The "withdraw date" is the date established by the Office of the Registrar in accordance with the Official Withdraw Process. (See Official Withdraw Process) The "period" used in calculating the return of Title IV and institutional funds is either the payment period or the enrollment period, depending on the academic program involved. Both periods are based on calendar

days. They include weekends but exclude scheduled breaks of five days or more. The period used to calculate the removal of institutional charges is always the enrollment period.

The "enrollment period" is defined as the period in which a student is enrolled.

Note: No transcripts will be released until the student's account is paid in full. This includes current charges, balances that are the result of financial aid funds returned, fines that may be assessed after the student leaves, and computer buyout fees.

If a student withdraws and is granted a removal of tuition, George Fox University allows the student to retain a percentage of the disbursed institutional financial aid equal to the percentage they have been charged, but not to exceed standard charges minus \$100. Standard charges are considered to be tuition, fees, and institutional room and board. The

- Subsidized Stafford Loans
- Perkins Loans, PLUS Loans
- Pell Grants
- SEOG
- Other Title IV programs

When the Return of Title IV Funds calculation results in the student (or parent for a PLUS Loan) having a repayment responsibility, Student Financial Services will notify the student of his or her responsibility.

When a post-withdrawal disbursement is available, the institution may, without the student's or parent's permission, credit the late disbursement to the student account to cover allowable institutional charges. When loans are applied to the student's account, the student is notified of the disbursement. If the student (or parent for a PLUS Loan) wishes to cancel all or a portion of a loan, they must do so, in writing, to Student Financial Services within two weeks of receiving notice of the disbursement.

When the post-withdrawal disbursement results in excess funds being available to the student, or when pending disbursements are needed to cover minor noninstitutional charges:

- Authorization from the borrower is required.
- If the borrower has not signed an authorization, the institution will request the needed authorization either electronically or in writing.
- The borrower will be advised that no late disbursement will be made for these purposes unless authorization is received within 14 days of the date the institution sent the notification.

These policies are in compliance with the Higher Education Reauthorization Act. For refund examples, please stop by Student Financial Services or call 503-554-2291. Continue on in Finances to [Financial Aid](#)

Compliance With Federal Laws and Regulations

George Fox University does not discriminate against students on the basis of race, color, national or ethnic origin, gender, age, disability or any other status to the extent prohibited under applicable non-discrimination law in the administration of its admission policies, scholarship and loan programs, educational programs, athletics programs, cocurricular activities, or other university administered programs.

The following offices may be contacted for information regarding compliance with legislation:

Director of admission: student consumer information

Vice president for finance: wage and hour regulations, The Civil Rights Act of 1964 (race,

Family Educational Rights and Privacy Act

under the Family Educational Rights and Privacy Act (FERPA) to students who are enrolled. No one shall have access to, nor does the institution disclose any information from, students' education records without the written consent of students except to personnel within the institution with direct educational interest, to persons or organizations providing students' financial aid, to accrediting agencies carrying out their accreditation function, to persons in compliance with a judicial order, and to persons in an emergency in order to protect the health or safety of students or other persons. All these exceptions are permitted under the Act.

Students are afforded the right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate education interests. A school official is a person employed by the university in an administrative, supervisory, academic or research, or support staff position (campus security personnel, and health services staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an educational record in order to fulfill his or her professional responsibility. Upon request, the university may disclose educational records without consent to officials of another school in which a student seeks or intends to enroll.

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 construes the following information to be "directory information": parents' names and addresses, the student's name, permanent address, local address, temporary address, e-mail address, telephone number, date and place of birth, participation in officially recognized activities and sports, major, dates of attendance, full-time and part-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.

Documentation of an existing disability generally will be required.

Specific courses on career exploration, study skills, and writing development are available.

subtle forms of inappropriate behavior such as offensive posters, cartoons, caricatures, comments, and jokes of a sexual nature are prohibited, as they may constitute sexual harassment when they contribute to a hostile or offensive work, academic, or student life environment.

Complaint Procedure for Harassment

If any employee or student believes he or she has witnessed discrimination or harassment, has been discriminated against or has been subjected to sexual or other forms of harassment, the person should immediately report it as follows:

1. If the alleged incident involves two students (outside the context of student employment), the vice president for student life, or the dean of students should be contacted.
2. If the alleged incident involves a student and a faculty member, the academic dean,

days after the official withdraw date established by the registrar's office. These services may include, but are not limited to, e-mail, library, student activities, food service, on-campus housing, health, and other related services associated with enrolled student status. The university reserves the right to remove privileges immediately upon official withdraw notification.

Rescind Notification of Intent to Withdraw

If a student wishes to cancel his or her official withdraw from the institution, that student must submit to the registrar's office, in writing, his or her intent to complete the current term of enrollment. This rescinds the student's notification of intent to withdraw.

Unofficial Withdraw

If a student fails to follow the official withdraw process, he or she will be considered to have unofficially withdrawn. If the student unofficially withdraws, the institution will generally use the 50 percent point of term or a documented earlier or later date of academic activity or attendance as the official withdraw date. Generally, the student will be awarded F grades for all courses affected by an unofficial withdraw.

Appeal

An appeal of the established withdraw date is to be submitted in writing to the registrar's office within 60 days from the established withdraw date.

Faculty

, Professor of Education. B.S., Portland State University; B.S., Portland State University; M.S., University of Texas; Ph.D., University of Oregon. George Fox University 2002-

, Professor of Psychology, Director of the Graduate School of Clinical Psychology. B.A., Houghton College; M.A., Ph.D., Syracuse University. George Fox University 1999-

Professor of Biblical and Quaker Studies, Chairperson of the Department of Religious Studies. B.A., Malone College; B.A., Trinity Lutheran Seminary; M.Div., Earlham School of Religion; Ph.D., Glasgow University. George Fox University 1989-98, 1999-

, Assistant Professor of Media Communications. B.S., University of West Indies; M.B.A., Nova Southeastern University; Ph.D., Regent University. George Fox University 2001-

, Professor of Education, Associate Dean of the School of Education. Chairperson of the Department of Educational Foundations and Leadership, B.A., George Fox University; M.S., Portland State University; Ph.D., University of Oregon. George Fox University 1991-

, Professor of English, Associate Vice President of Academic Affairs. B.A., George Fox University; M.A., Ph.D., University of Oregon. George Fox University 1988-

, Assistant Professor of Health and Human Performance. B.S., University of Idaho; M.Ed., University of Oregon. George Fox University 1995-

, Provost, Professor of History. B.A., Grand Canyon University; M.A., Hardin-Simmons University; Ph.D., Texas A&M University. George Fox University 1999-

, Assistant Professor of Biology. B.S., Ph.D., Iowa State University. George Fox University 1998-

, Assistant Professor of International Management. B.A., Taylor University; M.A., Fuller Theological Seminary; M.A., Claremont Graduate University; J.D., Loyola Law School, Los Angeles; LL.M., University of Cambridge. George Fox University 2003-

, Professor of Management, Dean of the School of Management. B.A., University of Washington; M.A. Fuller Theological Seminary; Ph.D. University of Cambridge. George Fox University 2002-

, Professor of Business, Chair of the undergraduate Business and Economics Department. B.A., Gordon College; M.Ed., Kent State University; Ph.D., Michigan State University. George Fox University 1986-

, Faculty Technology Mentor, Assistant Professor of Religious Studies. B.A., George Fox University; M.A.R., Yale University Divinity School; M.A., Fordham University. George Fox University 2003-

, Assistant Professor of Marriage and Family Therapy. B.A., Olivet Nazarene University; M.Div., M.A., Fuller Th

Instructor of Education. B.S., M.Ed., Oregon State University. George Fox University 2004-

, Instructor of Biology. B.S., Eastern Oregon State University. Ph.D., Oregon Health and Science University. George Fox University 2000-

Associate Professor of Biology. B.A., B.S., Whitworth College; M.S., Portland State University; Ph.D., University of Hawaii. George Fox University 1999-

Assistant Professor in Teacher Education. B.A., Indiana Wesleyan University; M.A., Ball State University. George Fox University 1993-

Assistant Professor of Business. B.A., Linfield College; M.Div., Central Baptist Theological Seminary; Ph.D., University of Idaho. George Fox University 2003-

Professor of Communication Arts. B.A., Biola University; M.A., Ph.D., University of California, Los Angeles. George Fox University 1978-

Assistant Professor of Chemistry. B.S., Wheaton College; Ph.D., Stanford University, George Fox University 2001-

Associate Professor of History, Director of the Center for Global Studies, Director of the Center for Peace and Justice. B.A., George Fox University; M.A., Ph.D., University of Oregon. George Fox University 2000-

, Dean of Behavioral and Health Sciences, Professor of Psychology. B.S., Seattle Pacific University; M.A., Ph.D., The Ohio State University. George Fox University 1980-

, Professor of Psychology, Director of Research for the Graduate School of Clinical Psychology. A.B., Franklin & Marshall College; M.A., Ph.D., Case Western Reserve University. George Fox University 1993-

Dean of George Fox Evangelical Seminary, Associate Professor of Pastoral Leadership. B.A., Tabor College; M.Div., Mennonite Brethren Biblical Seminary; D.Min., Fuller Theological Seminary. George Fox University 2001-

Associate Professor of Health and Human Performance, Chairperson of the Health and Human Performance Department. B.A., Biola University; M.Ed., Linfield College. George Fox University 1982-

, Associate Professor of Political Science. B.A., Wheaton College; M.A., Ph.D., University of Virginia. George Fox University 2001-

Associate Professor of Physics. B.S., University of Puget Sound; Ph.D., University of California, Los Angeles. George Fox University 2003-

, Associate Professor of Education. B.A., Whitworth College; M.Ed., Seattle Pacific University; Ph.D., Arizona State University. George Fox University 2000-

Assistant Professor of Computer Science. B.S., Oral Roberts University; M.S., Washington State University; Ph.D., Oregon Graduate Institute of Science and Technology. George Fox University 1998-99, 2003-

Professor of Mechanical Engineering, Director of Engineering Program,
Chairperson of the Math/Computer Science/Engineering Department. B.S.M.E., M.S.M.E.,
Michigan Technological University; Ph.D., Oregon Graduate Institute of Science and
Technology. George Fox University 1988-

Instructor of Education. B.A., M.Ed., George Fox University. George Fox
University 2004-

, Herbert Hoover Distinguished Professor. B.A., Willamette University; M.A.,
Stanford University. George Fox University 1997-

, Assistant Professor of Family and Consumer Science. B.S., University of
Southwestern Louisiana; M.S., Florida State University. George Fox University 2001-

Professor of Economics, Chair of the International Studies Program. B.S.,
M.S., University of Oregon; M.A., University of California, Berkeley. George Fox University
1971-74; 1976-79; 1983-

, Professor of Education. B.S., M.Ed., Colorado State University; Ph.D., The
Ohio State University. George Fox University 1994-

, Professor of Mathematics, Dean of Arts and Sciences. B.A., Culver
Stockton College; M.A., M.A., Ph.D., University of Missouri. George Fox University 1978-

, Professor of Writing/Literature. B.A., LaVerne College; M.A., California
State College at Fullerton; Ph.D., Union Gr Iersimty..5(B.6Uf v-24()]TJ-0.0079 Tc 0.7023Tw -16.1467 0 Td(ersi)-6
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Professor of Communication Arts, Director of Forensics, Chairperson of the Department of Communication Arts. B.A., Seattle Pacific University; M.Ed., Ph.D., Oregon State University. George Fox University 1995-

Associate Professor of Business. B.S., M.B.A., Ph.D., Oregon State University.
George Fox University 1996-

Associate Professor of Psychology. B.S., Pennsylvania State University;
M.S., Ph.D., University of Georgia. George Fox University 1993-

, Professor of Education, Chairperson of the Undergraduate Education
Department. B.S., Malone College; M.A., Western Michigan University; Ph.D., Michigan State

, Assistant Professor of Clinical Psychology. B.A., M.A., University of Cincinnati, M.A., Ph.D., California School of Professional Psychology. George Fox University 2004-

, Associate Professor of Education, Chairperson of the Master of Arts in Teaching department. B.S., Eastern Oregon State University; M.S., Western Oregon State University; Ph.D., Oregon State University, George Fox University 1998-

, Assistant Professor of English as a Second Language, Director of International Student Services. B.A., California State University, Chico; M.A., Portland State University. George Fox University 1990-

Faculty Emeriti

Professor Emeritus of Sociology. B.S. and M.S., Illinois State University. George Fox University 1976–2002.

Associate Professor Emeritus of Management/Director of Professional Studies. B.S., Seattle Pacific University; M.S., University of Oregon. George Fox University 1969–2002.

Professor Emeritus of History. B.A., George Fox University; M.Ed., Linfield College; M.A., Ph.D., University of Oregon. George Fox University 1955–57; 1974–97.

Professor Emeritus of Psychology. B.S., John Brown University; M.Div., Grace Theological Seminary; M.Ed., University of Arkansas; Ph.D., Arizona State University; George Fox University 1990–98.

Chaplain Emeritus. A.B., Th.B., George Fox University; M.A., Pasadena College; M.R.E., D.D., Western Evangelical Seminary. George Fox University 1967-87.

Professor Emeritus of Pastoral Ministry. A.B., Kletzing College; B.D., Asbury Theological Seminary; M.A., State University of Iowa; D.D., Azusa Pacific University.

Professor Emeritus of Outdoor Ministries. B.A., Wheaton College; M.Div., Gordon- Conwell Theological Seminary; D.Min., Western Seminary. George Fox University 1974–2003

Director Emeritus of Instructional Media. B.A., Azusa Pacific University; B.D., California Baptist Theological Seminary; M.S.Ed., University of Southern California. George Fox University 1964-67; 1968-95.

Professor Emeritus of Religion and Greek. B.A., Friends University; B.D., Asbury Theological Seminary; Ph.D., Boston University. George Fox University 1961–74; 1975–86.

D.Min., Dean of George Fox Evangelical Seminary
Ph.D., Director of Engineering Program
Ph.D., Dean School of Arts & Sciences
B.S., Systems Administrator
M.Ed., Director School of Education Field Services
M.A., Director of the English Language Institute
M.A., Director of Career Services/Academic Success Program Director

Student Life

Psy.D., Dean of Student Services
B.A., Assistant Director of Residence Life/Area Coordinator
B.A., Director of Outreach and Discipleship
B.A., Area Coordinator
Security Officer
M.A., Associate Director of Career Services
B.A., Associate Dean of Student Leadership
B.A., Area Coordinator
M.A., Director of Career Services
M.A., Associate Dean/Director of Residence Life
M.Div., Campus Pastor/Director of Campus Ministries
Ph.D., Vice President for Student Life
B.A., Assistant Director of International Student Services
B.A., Director of Security
Ph.D., Director of the Academic Resource Center
B.S.N., Nurse
M.Ed., Dean of Students
M.S., Nurse Practitioner
B.A., Director of Housing
B.S., Security Officer

Tilikum Retreat Center

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