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# UNIVERSITY CALENDAR

## UNIVERSITY ACADEMIC CALENDAR

### August

Faculty Conference . . . . .	Sun.-Tues.
All-Campus Fellowship . . . . .	Tues.

### 2000-01

Aug. 20-22
Aug. 15

### 2001-02

Aug. 19-21
Aug. 16 (Thurs.)

### Fall Semester

Residence halls open to new students, 1 p.m. . . . .	Fri.
New Student-Parent Convocation . . . . .	Fri.
New student sessions/registration/confirmation . . . . .	Fri.-Sun.
Residence halls open to returning students, 10 a.m. . . . .	Sat.
Registration/confirmation of returning students, 1 to 6 p.m. . . . .	Sat.
Newberg campus classes begin, 8 a.m. . . . .	Mon.
Honors Convocation, 10 a.m. . . . .	Wed.
Last day to register . . . . .	Fri.
Seminary classes begin . . . . .	Tues.
Serve Day . . . . .	Wed.
Last day to change registration . . . . .	Fri.
Withdraw fee begins . . . . .	Mon.
Seminary last day to change registration . . . . .	Fri.
Last day to exercise pass/no pass option . . . . .	Fri.
Mid-semester holiday . . . . .	Fri.
Last day to withdraw from class . . . . .	Fri.
Thanksgiving vacation . . . . .	Thur.-Sun.
Classes resume . . . . .	Mon.
Registration for spring semester and May Term/undergraduate . . . . .	Mon.-Fri.
Registration for spring semester and summer/graduate . . . . .	Mon.-Fri.
Fall semester classes end, 5 p.m. . . . .	Fri.
Study day . . . . .	Mon.
Final exam period . . . . .	Tues.-Fri.
Residence halls close, 5 p.m. . . . .	Sat.
Midyear Commencement, 2 p.m. . . . .	Sat.

### 2000-01

Aug. 25
Aug. 25
Aug. 25-27
Aug. 26
Aug. 26
Aug. 28
Aug. 30
Sept. 1
Sept. 5
Sept. 6
Sept. 8
Sept. 11
Sept. 15
Sept. 22
Oct. 6
Nov. 3
Nov. 23-26
Nov. 27
Nov. 27-Dec. 1
Dec. 4-8
Dec. 8
Dec. 11
Dec. 12-15
Dec. 16
Dec. 16

### 2001-02

Aug. 24
Aug. 24
Aug. 24-26
Aug. 25
Aug. 25
Aug. 27
Aug. 29
Aug. 31
Sept. 4
Sept. 5
Sept. 7
Sept. 10
Sept. 7
Sept. 21
Oct. 5
Nov. 2
Nov. 22-25
Nov. 26
Nov. 26-30
Dec. 3-7
Dec. 7
Dec. 10
Dec. 11-14
Dec. 15
Dec. 15

### Spring Semester

Residence halls open for new students, 1 p.m. . . . .	Sun.
Residence halls open for returning students, 1 p.m. . . . .	Sun.
Registration/confirmation of new students . . . . .	Sun.
Classes begin, 8 a.m. . . . .	Mon.
Last day to register . . . . .	Fri.
Martin Luther King Jr. Holiday . . . . .	Mon.
Last day to change registration . . . . .	Fri.
Withdraw fee begins . . . . .	Mon.
Last day to exercise pass/no pass option . . . . .	Fri.
Housing deposit due for upcoming year . . . . .	Tues.
Last day to withdraw from class . . . . .	Fri.
Spring vacation . . . . .	Sat.-Sun.
Classes resume . . . . .	Mon.
Preregistration for fall & spring semesters/graduate . . . . .	Mon.-Fri.
Preregistration for fall & spring semesters/undergraduate . . . . .	Mon.-Fri.
Easter . . . . .	Sun.
Spring semester classes end, 5 p.m. . . . .	Fri.
Study day . . . . .	Mon.
Final exam period . . . . .	Tues.-Fri.
Residence halls close, 5 p.m. . . . .	Sat.
Graduate and Continuing Education Commencement. . . . .	Sat.
Baccalaureate . . . . .	Sat.
Undergraduate Commencement . . . . .	Sat.
Residence halls close for graduates, 5 p.m. . . . .	Sun.

### 2000-01

Jan. 7
Jan. 7
Jan. 7
Jan. 8
Jan. 12
Jan. 15
Jan. 19
Jan. 22
Feb. 2
March 6
March 9
March 24-April 1
April 2
April 2-6
April 9-13
April 15
April 20
April 23
April 24-27
April 28
April 28
April 28
April 28
April 29

### 2001-02

Jan. 13
Jan. 13
Jan. 13
Jan. 14
Jan. 18
Jan. 14
Jan. 25
Jan. 28
Feb. 8
March 5
March 15
March 23-31
April 1
April 1-5
April 8-12
March 31
April 26
April 29
April 30-May 3
May 4
May 4
May 4
May 4
May 5



### **Use of Catalog**

*This catalog is provided for guidance in course selection and program planning. While every effort is made to ensure the accuracy of the information in this Catalog, in no sense is it to be considered a binding contract, and it may be changed by action of appropriate bodies within the University. Courses listed in this catalog are subject to change through normal academic process. New courses and changes in existing course work are initiated by the cognizant graduate school, department or program, and approved by Academic Affairs and the University faculty.*

*Changes to the curriculum are published in the Program Outlines and Schedule of Classes.*

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*The university from which you earn an academic degree is part of you for the rest of your life. You are “branded” with your diploma and transcript. Each graduate school or future employer will know your educational identity. Clearly, your choice of university is important.*

*A degree from George Fox University identifies you with one of the finest institutions in the Northwest, as recognized by educators, business leaders, and professionals from across the country.*

- *For 12 years, U.S. News & World Report magazine has recognized George Fox for its “excellence in undergraduate education” and “academic reputation.”*
- *Senator Mark Hatfield, Herbert Hoover Distinguished Professor at George Fox, recently stated, “You know there’s 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” that can be seen across the nation.*

*Along with strong academic programs, George Fox brings the student together with others seeking Christ-centered education. Interaction with peers extends the learning environment beyond the classroom to create networks and friendships that go with students long after the degree is completed.*

*The University further empowers students by providing opportunities for experiential learning. Internships, practicums and co-curricular activities provide opportunities for leadership and skill development.*

*The George Fox “brand” is distinctive and of high quality. Our faculty, staff and administration are committed to the purpose and person of Jesus Christ. They are ready to be your friends, teachers, role models and mentors. I encourage you to discover whether George Fox University is where God is directing you to study.*

*H. David Brandt  
President*



# PURPOSE

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*Contract*

## **MISSION AND OBJECTIVES**

The mission of the University from its beginning has been to demonstrate the meaning of Jesus Christ by offering a caring educational community in which each individual may achieve the highest intellectual and personal growth, and by participating responsibly in our world's concerns. The foregoing "mission statement" of George Fox University is detailed in the following institutional objectives:

1. Teach all truth as God's truth, integrating all fields of learning around the person and work of Jesus Christ, bringing the divine revelations through sense, reason and intuition to the confirming test of Scripture.
2. Support academic programs that liberate the student for a life of purpose and fulfillment through an awareness of the resources of knowledge and culture available; maximize career-oriented education through counseling, curriculum, field experience and placement.
3. Maintain a program of varied activities that directs the student to a commitment to Christ as Lord and Savior, encourages attitudes of reverence and devotion toward God, leads to recognition that the revealed commandments of God are the supreme criteria of the good life, enables the student to mirror the example of Christ in human relationships, and develops a greater desire to serve humanity in a spirit of Christian love.
4. Provide a center for Quaker leadership where faculty and students learn the history and Christian doctrines of the Friends movement and make contemporary applications of these insights.

5. Give leadership to evangelical Christianity generally, through scholarly publication, lecturing, and by evangelistic and prophetic proclamation and service.
6. Promote cocurricular activities that will emphasize the development of leadership, initiative and teamwork by giving opportunity to make practical use of the skills and ideas acquired through academic courses.
7. Make itself a community in which studies and activities are made relevant to life, develop insight into social and political issues confronting humanity, and learn to participate democratically in decision making and policy implementing as responsible citizens.
8. Serve as a cultural center for all publics of the University and sponsor programs that are informative and culturally stimulating to the larger university community.
9. Provide distinctive learning opportunities through continuing education programs and through

## **VALUES STATEMENT**

The George Fox University community values...

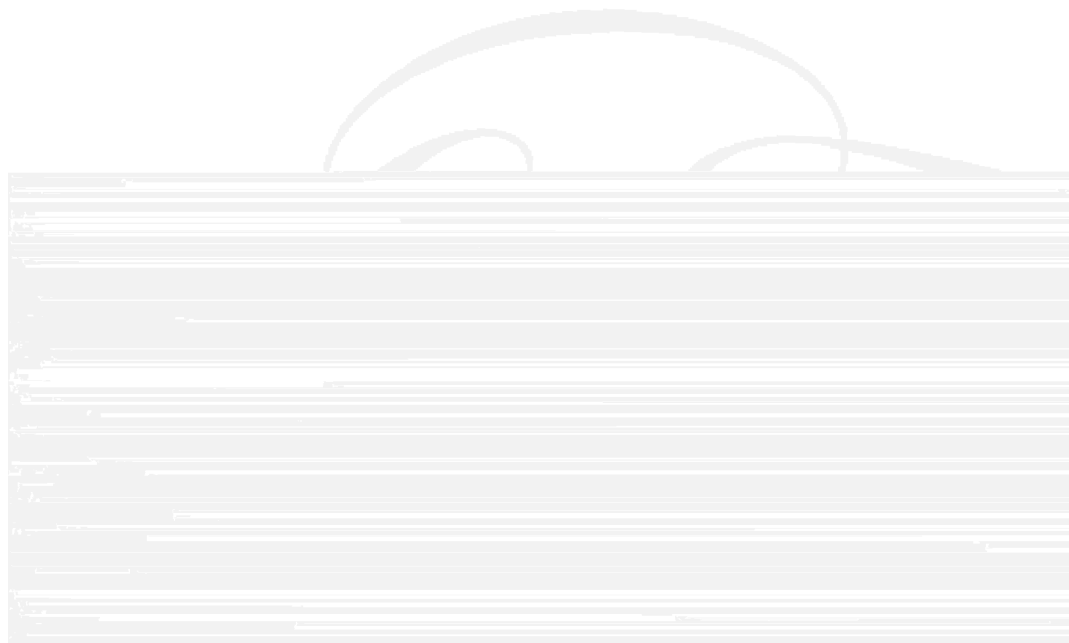
- Following Christ, the Center of Truth
- Honoring the Worth, Dignity and Potential of the Individual
- Developing the Whole Person — Spirit, Mind and Body
- Living and Learning in a Christ-Centered Community
- Pursuing Integrity Over Image
- Achieving Academic Excellence in the Liberal Arts
- Preparing Every Person to Serve Christ in the World
- Preserving Our Friends (Quaker) Heritage

## **STUDENT OUTCOMES**

In any enterprise 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 inten-

# PLACE

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George Fox University serves students at a number of locations in the Pacific Northwest, including its Portland Center, Boise (Idaho) Center, and teaching sites in Salem and Eugene. For its main campus, however, George Fox University's "place" is Oregon, the lower Willamette Valley, Newberg, and a 75-acre tree-shaded campus on a wooded ravine in a residential neighborhood. This place offers a variety to meet most interests: a friendly community close (23

From only a handful of courses in the 1890s, the University now offers 42 undergraduate majors and more than 600 courses in 15 departments, along with graduate programs in psychology, counseling, education, business, ministry, and religion. In all, nearly 13,000 students over the years have called this institution their alma mater.

George Fox has grown rapidly in the last two decades — both in reputation and facilities. For 12 years, the University has been named as one of “America’s Best Colleges” by *U.S. News & World Report*, and in 1999 was ranked second in academic reputation among Western regional liberal arts colleges in the 15 states from Texas to Hawaii. George Fox is also eighth on the magazine’s list for the region’s best values. National recognition also has come from the John Templeton Foundation, which has named George Fox to its Honor Roll for Colleges That Encourage Character. The foundation also has selected the University to its Honor Roll for Free Enterprise Teaching.

Following a campus master plan, George Fox has expanded to 75 acres in recent years, with 12 new buildings constructed at a total investment of more than \$20 million. A \$16 million Centennial Campaign funded a new science building and restoration of Wood-Mar Auditorium, opened in 1995. More than 2,400 students come to George Fox from across the nation to participate in the experience of sharing faith and learning with dedicated faculty and administrators. Undergraduate students live, study, work and play in buildings that range from those with historic significance to some of the most modern anywhere. Depending on the program, graduate students attend classes either on the Newberg campus or at one of the University’s teaching sites in Portland, Salem, or Boise. Off-campus teaching sites are also the location of classes offered through the George Fox degree-completion program for working adults.

Even as it expands its mission by offering graduate programs and serving adult learners, George Fox University remains committed to providing its 1,300 traditional undergraduate students with a residential campus atmosphere. Learning continues outside the classroom — as well as inside — through a variety of experiences, including music, athletics, clubs and organizations, special events, and Christian ministries.

The Christian atmosphere is a campus priority. With other Christians, the University holds to the historic truths and teachings of Christianity, as outlined in the “Statement of Faith” printed on page 2. From its founding, the University has been guided by Northwest Yearly Meeting of Friends Church, which also is committed to the official Statement of Faith and which historically has emphasized the necessity of a genuinely experiential Christian faith, personal integrity and purity, the spiritual nature of the ordinances, the importance of peacemaking and responsible social action, the involvement of women in ministry and leadership, the valuing of simplicity, and the right and duty of each person to hear and follow God’s call.

George Fox University has more Friends students on campus than any other college in the United States: They represent approximately nine percent of the student body. Altogether, more than 50 denominations are represented on campus. Denominations with a significant enrollment include the Evangelical Church of North America, Free Methodist, Nazarene, Presbyterian, Disciples of Christ, Mennonite, United Methodist, Assemblies of God, Christian & Missionary Alliance, Catholic, Lutheran, American Baptist, Conservative Baptist, Church of God, and Foursquare.

## CAMPUS FACILITIES

Bounded on three sides by a residential area, the George Fox campus borders Hess Creek, with a natural setting that is being preserved with its tall trees, ferns, and wildflowers. The spacious campus has been developed in recent years according to a master plan that features a campus academic quadrangle; a recreational section with sports center, track complex, and athletic fields; and a living area with major residence halls. The facilities include:

**The Armstrong House**, 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 continuing education assessment.

**The Art Annex**, opened in 1998, contains art studio and lab, classroom and office space. It is a renovation of a portion of the previous Plant Services building.

**Barclay House**, at 1313 East North Street on the east side of campus, was purchased in 1994. It houses a resident area assistant coordinator and nine students on two levels.

**The William and Mary Bauman**

**Chapel/Auditorium**, opened in the fall of 1982 as the final phase of the Milo C. Ross Center, seats 1,150 persons in a facility that is among the finest in the Northwest.

R

**The Hobson-Macy-Sutton Residence Hall complex**, completed in 1977, is the largest residence facility on campus, housing a total of 250 students.

A central lobby is shared by the three buildings. The buildings are connected by outside walkways and an underground tunnel.

**Hoskins House**, purchased in 1993, houses 10 students. It is located at 214 River Street.

**The International Student Center**, opened in 1990, is located in a remodeled former residence on Meridian and Sherman streets. This building houses the English Language Institute, with classrooms, faculty offices and a lounge/reception area.

**Kelsey House**, purchased in 1997, houses four students. It is located at 610 N. Center Street.

**The Kershner House**, purchased in 1970 and remodeled in 1979, is a residence unit for six students.

**Lemmons Center**, 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.

**Lewis Apartments** provide housing for 56 upper-division students in a total of 16 units.

**McGrew House**, located at Hancock Street and Carlton Way, houses six students. It was purchased in 1992.

**The Virginia Millage Memorial Rose Garden** 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.

**Minthorn Hall**, constructed in 1886 and on the National Register of Historic Places, is the only first-generation building still in use. Remodeled and refurbished in 1962, 1989 and 1992, it houses faculty offices for writing, literature, communication arts, and languages; two classrooms; and the Department of Continuing Education.

**The Curtis and Margaret Morse Athletic Fields**, dedicated in 1989, contain a baseball diamond, softball field, soccer field, and practice areas.

**The Munn House**, acquired in 1994, houses six students. It is on the east side of Hess Creek Canyon on East North Street.

**The M. J. Murdock Learning Resource Center**, completed in the fall of 1988, houses more than 140,000 volumes on three floors. Its features include study car-





(e) Assure that the actions of coaches and administrators exhibit fairness, openness and honesty in their relationships with student-athletes;

(f) Assure that athletics participants are not treated differently from other members of the student body;

(g) Assure that athletics programs support the institution's educational mission by financing, staffing and controlling the programs through the same general procedures as other departments of the institution;

(h) Provide equitable athletics opportunities for males and females and give equal emphasis to men's and women's sports;

(i) Give primary emphasis to regional in-season competition and conference championships; and

(j) Support student-athletes in their efforts to reach high levels of athletics performance, which may include opportunities for participation in national championships, by providing all teams with adequate facilities, competent coaching and appropriate competitive opportunities.

## **Government**

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

## **Intramurals**

The University has a broad-based, student-led intramural program which includes men's and women's flag football, 3-on-3 basketball, 5-on-5 basketball, racquetball and tennis. Also included in the program are co-ed competitions in volleyball, indoor soccer and floor hockey.

## **Media**

Publications include a newspaper, The Crescent; the yearbook, L'Ami; a photo directory, The Bruin; and The Wineskin, the literary publication. Student editors direct their staffs in the selection and preparation of materials for these publications. The student radio station, KFOX, broadcasts campus news and music in a contemporary Christian format.

## **Music**

Music activities are available to students with varied musical talents. Public performances are presented by the Festival Chorus, the Concert Choir, the Chehalem Chorale, Dayspring, the Chapel Choir, the Concert Band, the Chehalem Symphony Orchestra, the Jazz Ensemble, the Handbell Ringers, Ye Olde Royal Feaste, and music theatre.

The University's student chapter of 0 TD ( s1Tj -h.9 Tf 0.136 h.022ituag an TD2ituag n TD (qu h.0 )T av3aivers

and caring ways; equip students for service; and disciple new Christians. Whether done one-on-one or in small or large groups, the goals of helping students embrace and live out the priorities of loving God, hearing God, obeying God, and serving God are always at the forefront.

All students carrying a full class load (12 hours or more) are required to fulfill 21 Spiritual Formation credits each semester. Throughout each semester, students earn these credits by their involvement in one, two or all three components of the Spiritual Formation Program.

### 1. Praise and Worship

**Chapel** is a time of praise, worship and learning. Chapel is held Monday and Wednesday mornings from 10 to 10:50 a.m. the first 14 weeks of each 15-week semester. In addition to the weekly Monday/Wednesday Chapel services, there are many other daytime and evening opportunities to receive Spiritual Formation credit as well.

### 2. Study

**Small Group Studies** offer a time for interaction, questioning and fellowship with other students. Some small groups study specific books of the Bible, while others use a variety of other books and study guides as their starting point for discussion and faith learning.

### 3. Ministry/Service

**Ministry and service opportunities** allow students to live out what they say they believe. Service trips take place during the third week of Christmas break and the whole week of Spring Break — reaching communities in West Coast areas and beyond.

## STANDARDS OF CONDUCT

When enrolling at George Fox University, 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 that 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, dishonest, or otherwise in violation of the University's standards of conduct, shall be subject to disciplinary action.

Nine modern residence halls house approximately 650 students. The newest of these facilities is University Residence Hall, which houses 124 students. It opened in the fall of 1996 and houses a floor of men and two floors of women residents.

Pennington Residence Hall, with a capacity of 102, has one wing for men and one for women students. Edwards Residence Hall, a residence for 106, also has one wing for men and one for women.

The Hobson-Macy-Sutton Residence Hall complex houses 222 students in three-floor buildings. Macy Residence Hall and Hobson Residence Hall are for women,

### **Motor Vehicles**

The ownership or possession of automobiles or other motorized vehicles by students is permitted. Students are advised to maintain appropriate insurance coverage on such vehicles. Any student who is registered and attending classes, whether full or part time, must have his or her motor vehicle registered with the Security Office and pay a non-refundable parking fee to park on campus. Failure to do so will result in fines.

### **STUDENT SERVICES**

### **International Student Services Director**

The Director of International Student Services, serving as the advisor for international students, helps facilitate the meeting of diverse cultures in the George Fox University community. The University recognizes that inter-national students bring with them unique needs as well as welcomed contributions. The director seeks to help students adjust to their new surroundings and to help the campus community develop a sensitivity to their needs. The director also encourages their participation in the academic and social life of the University and in the exploration of the surrounding American culture, as well as assists students in complying with INS regulations. The advisor is the international student's friend and advocate.

### **Multicultural Services**

The Office of Multicultural Services exists to help the George Fox community believe and practice the biblical truth that every person is valuable and gifted by God, and that God creates and celebrates racial and cultural diversity and wants us to join him in his appreciation and celebration. The office seeks to facilitate cultural sharing and education for the entire George Fox

community and to provide an affirming, supportive environment for students of color. It is dedicated to helping students of color successfully complete their George Fox University education.

The Multicultural Advisor serves as the advisor to the student Multicultural Club, which learns about various cultures, hosts cultural activities, and serves as a student support system. The Multicultural Club works with the Office of Multicultural Services to coordinate the annual Cultural Celebration Week.

## **ENROLLMENT SERVICES**

This office, located in the Hoover Academic Building, is responsible for the organization and administration of admissions, financial aid, registration, student accounts, orientation, freshman seminar, advisement, retention, disability services, continuing education academic advisement, and institutional research. The Vice President for Enrollment Services coordinates these services.

### **Admissions**

Four admissions offices assist students with enrollment at George Fox University: The Undergraduate Admissions Office, located in the Pennington House, serves students planning to enroll in traditional undergraduate programs on the Newberg campus. Continuing Education Admissions, located in the Portland Center, assists students seeking enrollment in the adult degree-completion programs. The Graduate Admissions Office serves students enrolling in the University's education, counseling, business and psychology graduate programs. Admissions counselors are available on both the Portland and Newberg campuses to assist students. Seminary Admissions, located at the Portland Center, assists students seeking admission to ministry graduate programs.

### **Disability Services**

The Enrollment Services Office, located in the Hoover Academic Building, coordinates services for students with documented handicaps/disabilities.

### **Financial Aid Office**

This office, located in the Hoover Academic Building, is responsible for the organization and administration of financial aid, registration, student accounts, orientation, freshman seminar, advisement, retention, disability services, continuing education academic advisement, and institutional research. The Vice President for Enrollment Services coordinates these services.

# ACADEMIC PROGRAMS

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## COURSE CHALLENGE PROGRAMS

Students may reduce the number of required courses and add flexibility to their undergraduate years by one or more of the following programs.

### Advanced Placement

College credit may be granted in several subject areas to the student who completes a college-level course in high school and receives a score of three or better through the Advanced Placement Program sponsored by the College Entrance Examination Board. Students expecting advanced placement credit should request, at the time the test is taken, that scores be sent to George Fox University.

### International Baccalaureate (IB)

College credit may be granted in several subject areas to students who complete college-level work through the International Baccalaureate 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 International Baccalaureate transcript to receive consideration. Credits awarded as a result of International Baccalaureate documentation will be accepted as transfer credit.

### College Level Examination Program

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 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.

### Credit by Examination

Courses offered at George Fox University for which CLEP testing is not available may be challenged by examination. There is a test fee of \$40 per examination. See the Registrar for details.

### Proficiency Test

A student may fulfill general education and some program requirements or become eligible for registration in advanced courses by passing a proficiency test for the area involved. No fee 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 Spanish classes. Spanish 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.

## FACILITIES

### Murdock Learning Resource Center (Newberg)/Portland Center Library (Tigard)

George Fox University maintains libraries at both the Newberg and Portland Center campuses. The Murdock Learning Resource Center is a three-story, 35,000-square-foot building serving the Newberg campus from a central location. The library presently houses 140,000 volumes and receives 900 periodical titles. The library has several special collections, including the Quaker Collection of basic Quaker books, pamphlets and periodicals. The archives of Northwest Yearly Meeting of Friends Church and of George Fox University, dating from the 1880s, are preserved in a special room. The Hoover Collection contains materials written about President Herbert Hoover and his administration. The Peace Collection contains books and periodicals pertaining to conflict resolution and international peacekeeping.



Instructional media services are housed in the north end of the MLRC's lower level. Projectors, audio and videotape recorders, laptop computers, camcorders, and playback equipment are available for classroom, student and faculty use. In the Computer-Assisted Instruction Lab, students may fulfill certain course requirements and may have access to word processing and other computer functions. The Instructional Media Center provides a darkroom and equipment for dry mounting, laminating, thermal transparency production, and slide and tape duplication. A satellite dish on the building's roof enables the center to receive programming from 19 satellites.

The Portland Center library houses over 70,000 volumes and receives over 300 periodicals. The collection is especially strong in religion and theology. Also located in the Portland Center library are the archives of George Fox Evangelical Seminary.

The University's online library catalog provides access to the holdings of both the Murdock Learning Resource Center and the Portland Center library. The catalog also gateways to numerous other academic libraries and is available via the Internet. Internet access to other resources is available from both libraries. The library system is a member of OCLC, with direct access to a database of 40 million bibliographic records that represent the holdings of thousands of member libraries in the region and the nation. Interlibrary loan services are available at both sites. Computers at both library locations provide access to numerous indices and abstracts, some of which are linked to full text sources. George Fox is a member of the Portland Area Library System (PORTALS), through which access is provided to member libraries and numerous databases. The University is also a member of Orbis, a consortium of academic libraries with a union catalog located at the University of Oregon. Through consor-

- Is currently on student life probation. Probation may include occasions in which the student has signed a behavioral contract with the Student Life Office. Behavioral contracts are generally utilized for violations of the lifestyle agreement, but can also be used for more severe violations of the residential life policies, such as violation of floor hours, R-rated movie violations, etc.

**American Studies Program**

The American Studies Program, sponsored by the Council for Christian Colleges and Universities, 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, described on page 3, 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.

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 3.00 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 main types of off-campus experience 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 (GED 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 credit

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:

- \_\_\_\_\_ 2751 to 3 credit hours
- GED 375                    2 to 12 credit hours
- \_\_\_\_\_ 4752 to 12 credit hours

Applications for field experience should be requested through the Registrar. Request forms 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 (supervisor) with whom the learning plan is developed and carried out. The pro-

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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 2.00 at the end of the fall semester preceding the May tour.
5. Students must be in good standing with the Student Life Office in the fall and spring semesters preceding the May tour (see page 19).
6. Students must intend to return and graduate from George Fox University.
7. Student accounts must be current as of February 15 the year of the tour.
8. The University reserves the right to withdraw from this program and commitment prior to fall registration in any year. Students already registered under the program are guaranteed the tour.
9. The University reserves the right in the event of an international monetary, military, or other crisis to cancel or postpone a tour or to make substitute arrangements.
10. The University does not obligate itself to alternative remuneration to students who cannot go, who decide not to go, or who are ineligible to go on a Juniors Abroad study tour.
11. Students (or alumni or friends of the University) who are ineligible for free transportation may apply to join a study tour and pay their own transportation and tuition.

### **China Studies Program**

Students interested in China will have the opportunity to engage this intriguing country from the inside. The semester will include study of standard Chinese language, geography and history; religion and culture, and China's modern development. Participants will travel throughout China to such places as Beijing, Shanghai, Xi'an, and the Guangzhou/Hong Kong region. They will have ample opportunity to interact with Chinese faculty and students on the campus of the host university and with students of English whom they will assist as conversation partners. The China Studies

Program is offered through the Council for Christian Colleges and Universities.

### **Eduventure Indonesia**

George Fox students can participate, with students from other Christian colleges, in the Eduventure Indonesia semester abroad program. Based in Irian Jaya, Indonesia, this program allows students to experience cross-cultural living and to deepen their understanding of the lordship of Christ in Irian Jaya. Few places promise the excitement, natural beauty, rugged remoteness, baffling cultural diversity, and full-throttle adventure as Irian Jaya.

Course work includes cultural anthropology, cross-cultural communication, community development, and spiritual formation. All of these courses are integrated throughout the semester with high adventure opportunities, including a week of river navigation, snorkeling, working with the poor in Baliem Valley, mountain biking, mountain climbing, and trekking along the paths of the first martyred missionaries of 40 years ago.

Eduventure is extremely strenuous and requires students to be in top physical, mental, and emotional condition.

### **Latin American Studies Program**

Based in San Jose, Costa Rica, the Latin American Studies Program, under the direction of the Council for Christian Colleges and Universities, offers a semester of study and travel in Central America. Students live with Costa Rican families, participate in a service opportunity or internship, travel to other Latin American countries, and engage in both a language and a seminar program. Seminars deal in-depth with Latin American culture, history, politics, economics, and religious life. Three specialized academic tracks — Advanced Language and Literature Studies, International Business and Management, and Tropical Sciences — are available to qualified students.

### **Middle East Studies Program**

The Middle East Studies Program in Cairo, Egypt, offered through the Council for Christian Colleges and Universities, provides students with opportunity to study Middle Eastern cultures, religions and conflicts from within this diverse and strategic region. Juniors and seniors from Christian colleges participate in interdisciplinary seminar classes, receive Arabic language instruction, and serve as interns with various organizations in Cairo. The MESP encourages and equips students to relate to the Muslim world in an informed and constructive manner.

### **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.

### **Study in Spain Program**

Students may apply to study in Spain for one semester through a cooperative agreement with Trinity Christian College of Palos Heights, Illinois. The Study in Spain Program is designed primarily for students majoring or minoring in Spanish. Students study in Seville, Spain, and live in local homes while attending classes with students from Trinity and other colleges. 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.

### **Study in Africa Program**

Students may apply to spend an exchange semester or year at Daystar University College in Nairobi, Kenya, in the Study in Africa Program operated through the Christian College Consortium. Programs of study include communications, business, education, community development, and Bible and Christian ministries, as well as courses in the history, culture, literature, politics, art, music, and religions of Africa. All instruction is in the English language, offered by a faculty composed primarily of African nationals. The application deadline is January 15 for the following academic year. Contact the Registrar's Office for application information.

All course work from Daystar will be transferred in as a Pass/No Pass, with a grade of "D" considered a passing grade.

### **Russian Studies Program**

Based in Moscow, St. Petersburg and N

**English Language Institute**

George Fox University offers an intensive English as a Second Language program during the academic year for international students who need to improve their academic English skills. For details of curriculum, credit and enrollment, see page 42.

**Freshman Seminar Program**

Repeated studies of the experience of college freshmen have found that the degree to which students identify with and

## 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 cocurricular activities that add to life's dimensions in learning and living.

Independent study and research are available for the summer under curriculum numbers 295 and 495. Applied learning experiences in practical situations under supervision (field education) are available through courses numbered 275 and 475, or GED 375 Cultural Experience. See "Field Education" on page 20.

Also offered during the summer months are degree-completion courses in the Management and Organizational Leadership, Management and Business Information Systems, and Management of Human Resources programs and graduate courses in the Master of Business Administration, Master of Arts in Teaching, Master of Education, Master of Arts (Theological Studies), Master of Arts in Christian Ministries, Master of Arts in Counseling, Master of Arts in Marriage and Family Therapy, Master of Divinity, Doctor of Ministry, Doctor of Education, and Doctor of Psychology programs.

CHE 111, 112 General Chemistry  
 CHE 325, 326 Organic Chemistry  
 PHY 201, 202 General Physics  
 One year of mathematics, usually fulfilled by MTH 201, 202 Calculus

Other courses highly recommended are as follows:

BIO 310 Embryology  
 BIO 322 Comparative Vertebrate Anatomy  
 BIO 330 Animal Physiology  
 BIO 350 Genetics  
 BIO 370 Microbiology  
 BIO 420 Cell Biology  
 CHE 310 Analytical Chemistry  
 CHE 340 Biochemistry  
 CHE 401, 402 Physical Chemistry

It is important to consult with your academic advisor early in setting up a plan for a strong program. Students should be aware that, in addition to meeting the minimal entrance requirements, good grades (3.5 grade point average or above) and a strong performance on the national admissions tests (MCAT, DAT, VAT, usually taken in the spring of the junior year) are essential. Also necessary for admission are letters of recommendation and an interview with the professional school's admissions committee.

Our world needs Christian health professionals strong in character and maturity who have

## PREPROFESSIONAL PROGRAMS

### Pre-dental, Pre-medical, Pre-veterinary Programs

George Fox University is pleased with the excellent success students have had in gaining admission to medical and dental schools. Students who wish to pursue a career in medicine, dentistry or veterinary medicine usually select a major in biology or chemistry. They may, however, choose any academic major the University offers as long as they take certain specific courses required by the professional schools.

George Fox University offers all of the science and mathematics courses required by the professional schools of the region. Even though specific requirements differ with each medical school, the requirements uniformly include the following:

BIO 101, 102 General Biology

# GENERAL EDUCATION

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**GENERAL EDUCATION  
REQUIREMENTS**

To complete an undergraduate academic program at George Fox University, a student must select one of 40 majors to pursue

Students may enroll in one limited-enrollment human performance activity course per semester and one unlimited-enrollment human performance activity course per semester. 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 one hour of the requirement. The two remaining hours of the requirement must be met through activity courses.
  - HEA 200 Lifestyle Management
  - HEA 230 First Aid and Safety
  - HEA 240 Stress Management
  - HEA 300 Nutrition
  - HEA 320 Contemporary Health Issues
3. Up to two 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 one hour without further examination.
4. Two credits toward the three-hour requirement may be earned on intercollegiate athletic teams. Only one credit in any one sport will count.
5. Any professional activity class meets one hour of the requirement. By permission only.
6. Military service may waive two semester credits.

Total: 3 hours

♦ **HUMANITIES**

Choose 14-15 semester hours, taking five 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.

- GED 110 The World of Music
- GED 220 Survey of Art
- ART 101 Basic Design
- ART 111 Drawing
- MUS 100 Fundamentals of Music
- MUS 110 Understanding Jazz
- MUS 111, 112 Introduction to Music Literature
- MUS 210 Keyboard Literature

2. History

- HST 110 Western Civilization to 1648
- HST 120 Western Civilization from 1648
- HST 150 America and the World
- HST 331/332 England

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.

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

4. Philosophy (choose a maximum of one course)

- PHL 210 Introduction to Philosophy
- PHL 230 Ethics

Total: 14-15 hours

♦ **SCIENCES**

Choose 18 semester hours from the options listed below. Students must choose two courses from natural science, one from math, and two from social science. Students then choose an additional course from either natural science, math or social science.

1. Math

Waiver of three semester hours of math requirement for a SAT score above 600.

- MTH 100 The World of Mathematics
- MTH 120 Intermediate Algebra (Students with SAT of 600 or above are not eligible to take this course.)
- MTH 190 Pre-Calculus
- MTH 201 Calculus I
- MTH 202 Calculus II
- MTH 260 D





### **Selection of a Minor**

A minor is a package of elective courses that have a common bond and that identify certain interests and competencies. Usually a minor consists of an approved group of courses with no less than 18 semester hours, six of which must be upper-division credit. The Registrar's Office will provide information on requirements.

### **Majors**

Accounting (B.S.)

Applied Science (Engineering) (B.S.)

Art (B.A.)

Biblical Studies (B.A.)

Biology (B.S.)

Business and Economics (B.A. or B.S.)

*Concentrations in:*

Economics

International Business and E

# UNDERGRADUATE PROGRAMS

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## **ACCOUNTING**

(B.S. Degree)

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 business and economics department, it requires completion of a general business core as well as specialized courses. Students are required to obtain a minimum grade of C- in all courses taken for the major.

### **Major Requirements**

#### **♦ BUSINESS CORE**

Choose six hours of math electives from the following:

MTH 300 Numerical Methods  
 MTH 320 Linear Algebra  
 MTH 331 Probability

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

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

Eleven hours of MTH 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.

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

## ART

(B.A. Degree)

### Major Requirements

Requirements for an art major consist of 42 semester hours, to include the following courses:

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

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

ART 201 Beginning Painting  
 ART 221 Beginning Sculpture  
 ART 231 Beginning Printmaking  
 ART 241 Beginning Ceramics  
 ART 250 Introduction to Graphic Design  
 ART 265 Contemporary Art Seminar  
 ART 285 Selected Topics  
 ART 295 Special Study  
 ART 301 Intermediate Painting  
 ART 321 Intermediate Sculpture  
 ART 331 Intermediate Printmaking  
 ART 341 Intermediate Ceramics  
 ART 350 Intermediate Graphic Design  
 ART 401 Advanced Painting  
 ART 421 Advanced Sculpture  
 ART 431 Advanced Printmaking  
 ART 441 Advanced Ceramics  
 ART 495 Special Study  
 THE 125/325C Theatre Laboratory  
 THE 255/455 Technical Theatre

## BIBLICAL STUDIES

(B.A. Degree)

### ART Iy



## BIBLICAL STUDIES: INTER-DISCIPLINARY MAJOR

(B.A. Degree)

### Major Requirements

An interdisciplinary major may be elected through application and approval of the department. It consists of two 24-hour blocks, one in biblical studies, the other in any other major field. The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives.

Requirements for the biblical studies block:

- 10 hours in biblical studies
- 8 hours in religion, including REL 380 Christian Beliefs
- 3 hours in philosophy
- CHM 360 Perspectives in Christian Education

## BIOLOGY

(B.S. Degree)

### 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

BIO 101, 102 General Biology  
BIO 350 Genetics  
BIO 360 Ecology  
BIO 491, 492 Senior Seminar  
(BIO 384 Research Methods may 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

CHE 211, 212 General Chemistry  
CHE 325 Organic Chemistry

Plus one of the following:

CHE 326 Organic Chemistry  
CHE 310 Analytical Chemistry

#### ♦ MATHEMATICS

MTH 190 Pre-Calculus or above is required, with MTH 201, 202 Calculus I, II highly recommended.

#### ♦ PHYSICS

PHY 201, 202 General Physics or PHY 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 (BIO 384) by the end of the spring semester of the junior year.

2. Take up to four hours of Biological Research (BIO 495) between the spring semester of their junior year and graduation, and Senior Thesis (BIO 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

## **UNDERGRADUATE PROGRAMS**

♦ **ELIGIBILITY**

The thesis option may be pursued by any chemistry major in good academic standing. Students wishing to pursue a thesis must:

1. Consult with their research advisor about an acceptable research project.
2. In writing, notify the chemistry thesis committee (composed of the chemistry department faculty) of their intention to

**CHRISTIAN MINISTRIES:  
INTERDISCIPLINARY MAJOR**

(B.A. Degree)

**Major Requirements**

An interdisciplinary major may be elected through application and approval of the department. It consists of two 24-hour blocks, one in Christian ministries, the other in any other major field. For the Christian ministries block, the student will select one of four concentrations: youth ministry, missions, church recreation, or educational ministry (Shared Praxis). The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives.

Requirements for the Christian ministries block:

- 12 hours in Christian ministries, including CHM 130 Christian Discipling, and CHM 360 Perspectives in Christian Education
- 6 hours in biblical studies
- 3 hours in philosophy
- REL 380 Christian Beliefs

Also offered is an interdisciplinary block in the area of campus ministries. Details are available from the Department of Religious Studies Office.

**COGNITIVE SCIENCE**

(B.S. Degree)

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).

**General Education Requirements:**

- PHL 210 Introduction to Philosophy
- MTH 201 Calculus I or MTH 260 Discrete Mathematics
- BIO 221 Human Anatomy and Physiology
- PSY 150 General Psychology
- SOC 310 Cultural Anthropology

**Major Requirements:**

- Seven hours of Overview Courses which include PSY 320 Introduction to Neuroscience, PSY 450 Systems of Psychology, and PSY 490 Senior Seminar
- 12 hours of Methods Courses
- 2 Lab Courses
- 12 hours of Survey Courses
- Optional Research in field of emphasis

**COMMUNICATION ARTS**

(B.A. Degree)

**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**

- Either* WRI 230 Introduction to Journalism
- or* WRI 310 Professional Writing/Desktop Publishing
- COM 200 Persuasive Communication
- COM 210 Interpersonal Communication
- COM 324 Argumentation and Critical Thinking

**♦ THEORY CORE COURSES**

- COM 300 Theoretical Approaches to Communication
- COM 400 Critical Approaches to Communication

◆ **PRACTICUM**

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

◆ **ELECTIVES**

Eighteen additional hours from communication arts, communication media and broadcast, and/or up to six hours of writing courses (WRI 210, 230, 310, 330). Not more than three hours should be in practicum courses. (Students should choose their electives under the guidance of their advisors.)

**COMMUNICATION MEDIA  
AND BROADCAST**

(B.A. Degree)

**Major Requirements**

The communication media and broadcast major combines the liberal arts emphasis of communication arts with hands-on experiences in video and digital media production. Extensive electives allow the stu-

Choose three hours from the following:

- CIS 322 Systems Development Seminar
- CIS 475 Field Experience
- CIS 490 Applied Software Development

Required supporting courses in mathematics:

- MTH 201 Calculus I
- MTH 260 Discrete Mathematics

### ♦ INFORMATION SCIENCE CONCENTRATION

A major in the information science concentration requires 42 semester hours of computer and information science and business courses, to include the following:

- CIS 201, 202 Introduction to Computer Science
- CIS 310 Data Structures and File Processing
- CIS 321 Software Engineering
- CIS 340 Database Systems
- CIS 350 Data Communication and Netre -0.188 -9nd

♦ **ELECTRICAL ENGINEERING CONCENTRATION**

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

Choose nine hours of electrical engineering electives from the following:

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

♦ **MECHANICAL ENGINEERING CONCENTRATION**

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

Choose nine hours of mechanical engineering electives from the following:

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

♦ **MATHEMATICS AND NATURAL SCIENCE**

- MTH 201, 202, 301 Calculus I, II, III
- MTH 310 Differential Equations
- CHE 211 General Chemistry
- PHY 211, 212 General Physics with Calculus

Plus a math elective, selected from the following:

- MTH 300 Numerical Methods
- MTH 320 Linear Algebra
- MTH 331 Probability

Plus a natural science elective, selected from the following:

- BIO 100 Foundations of Biology
- BIO 101 General Biology
- BIO 221, 222 Human Anatomy and Physiology
- CHE 212 General Chemistry

General education requirements for the engineering major are substantially different. For a complete list of required general education courses, consult 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, 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.

To prepare international students to enter into academic life at George Fox University as full and successful participants, ELI 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. ELI students may take up to 20 hours a semester, with a maximum of four credits of non-ESL course work.

Upon successful completion of the program, students are admitted to George Fox University and awarded up to 15 semester hours of credit toward their degree.

## FAMILY AND CONSUMER SCIENCES

(B.S. Degree)

FCS 490	Senior Seminar
BUS 110	Introduction to Business
BUS 300	Management
BUS 340	Marketing
ACC 271	Principles of Accounting

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### Major Requirements

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

#### ♦ FOODS AND NUTRITION IN BUSINESS CONCENTRATION

Foods and nutrition in business is a multidisciplinary major 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 them with the knowledge base necessary to work in areas of fitness management, diet analysis, and consumer nutrition education. The third core of course work serves as the medium for the utilization of this knowledge base, preparing students for careers in industries requiring the skills of food specialists, including new product development, test kitchens, recipe development, and food product promotion.

In the general education program, CHE 151 General, Organic, and Biological Chemistry and ECO 201 Principles of Economics are required.

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

FCS 211	Foods I
FCS 212	Foods II
FCS 250	Residential Technology
FCS 290	Meal Management
FCS 300	Nutrition
FCS 310	Food, Culture and Society
FCS 344	Quantity Food Production and Management
FCS 350	Resource Management
FCS 360	Consumer Buying
FCS 430	Nutrition and the Life Cycle
FCS 475	Field Experience



Students attend FIDM for either their junior or senior year to complete a specialized major. The broad spectrum of related courses at FIDM are 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, and a Professional Certification from FIDM.

**♦ FAMILY AND CONSUMER SCIENCES CONCENTRATION**

Family and consumer sciences are grounded in the sciences and humanities. At the core is concern for the biological, social, aesthetic, physical, economical and psychological needs of each family member. Today's families must be able to manage relationships, services, goods and resources.

The family and consumer sciences major graduates with a Bachelor of Science

Students make formal application for admission to the athletic training major concentration through the curriculum 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 major.

Admission to the program is based upon attainment of a cumulative grade point average (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; satisfactory physical health; exemplary social and moral behavior; and submission of the formal application no later than March 15. Any application submitted after March 15 will not be

♦ **FITNESS MANAGEMENT**

**MAJOR CONCENTRATION**

Requirements for the fitness management major concentration in human performance are 50-53 hours, of which 25 hours must be upper-division. The requirements are distributed as follows:

Take 38-40 hours from the following:

- HEA 230 First Aid and Safety
- HHP 200 History and Principles of Physical Education
- HHP 360 Organization and Administration of Health, Physical Education, and Athletic Training
- HHP 390 Care and Prevention of Athletic Injuries
- HHP 394

Two additional three-hour courses from the following:

- COM 300 Theoretical Approaches to Communication
- COM 340 General and Cultural Linguistics
- COM 350 Introduction to TESOL (T

Students who successfully complete either of the 34- or 36-semester-hour programs and accompanying requirements are granted either a Bachelor of Science degree in management and business information systems (MBIS), a Bachelor of Arts degree in management and organizational leadership, or management of human resources.

Applicants to the programs must have a minimum of 62 semester hours of transferable college credit from accredited institutions or approved military education.

General education requirements, totaling 35 semester credits (included as part of the 62 semester hours), should have been met upon entrance. Individuals with five years of professional experience and 78 or more semester hours of transferable credits are considered optimum candidates.

Thirty-six semester hours are required for the student to complete the MBIS major, consisting of the following courses:

- MOL 401 Dynamics of Group and Organizational Behavior
- MOL 402 Effective Writing
- MOL 403 Organizational Theory and Analysis
- MOL 406 Principles of Management and Supervision
- MOL 407 Christian Faith and Thought
- MOL 408 Fiscal and Operational Management
- MOL 409 Values and Ethics in the Workplace
- MOL 485 Saturday Seminars (6)
- MBS 411 Fundamentals of Information Systems
- MBS 412 Personal Productivity with IS Technology
- MBS 413 Information Systems Theory and Practice
- MBS 414 Hardware, Networks and Telecommunications

## MATHEMATICS

(B.S. Degree)

### Major Requirements

Requirements for a mathematics major consist of 37 semester hours, to include the following courses:

- MTH 201, 202, 301 Calculus I, II, III
- MTH 290 Mathematical Logic

- MTH 320 Linear Algebra
- MTH 331 Probability
- MTH 490 Senior Seminar

Select 15 hours from the following:

- MTH 260 Discrete Mathematics
- MTH 310 Differential Equations
- MTH 332 Mathematical Statistics
- MTH 340 Elementary Number Theory
- MTH 350 Modern Geometry
- MTH 410 Algebraic Structures

Required supporting courses:

- CIS 201 Introduction to Computer Science
- and one of:
- CIS 130 Web-based Programming
- CIS 202 Introduction to Computer Science
- CIS/MTH 300 Numerical Methods

## MUSIC

(B.A. Degree)

### Major Requirements

A total of 47 semester hours are required for a major in music. Core courses for the Bachelor of Arts degree in music include the following:

- MUS 111, 112 Introduction to Music Literature
- MUS 121, 122 Theory I
- MUS 131, 132 Sight Singing and Ear Training

*Either* MUS 200 Basic Conducting  
*or* MUS 460 Advanced Conducting,  
with permission

- MUS 221, 222 Theory II
- MUS 311, 312 Music History
- MUS 320 Form and Analysis
- MUS 491 Senior Seminar
- MUS 492 Recital/Lecture
- MUA 105/305 Applied Music (eight semesters)
- MUA 115-365 Large Ensemble (Concert Band, University Choir, Chehalem Symphony or Festival Chorus is required in addition to other ensembles)

### ♦ SUPPORTIVE MUSIC STUDIES

Supportive music studies allow the student to choose an interest area with his or her advisor to pursue courses that supplement the student's interest in performance, composition, or sacred music. The Fine Arts Handbook at the Music Office serves as a guide for student and advisor.

Music majors must be enrolled in a major ensemble each semester except during supervised teaching. A solo recital (or achievement of upper-division standing and appropriate departmental recitals) is required of all music majors. The recital is given in the junior or senior year after the student has been granted upper-division standing and has passed a recital hearing given before the applied music faculty.

**UNDERGRADUA**

♦ **PROGRAM IN CONFLICT  
MANAGEMENT**

The Center for Peace Learning 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 COM 200 Persuasiv



**RELIGION:  
INTERDISCIPLINARY  
MAJOR**

(B.A. Degree)

An interdisciplinary major may be elected through application and approval of the department. It consists of two 24-hour blocks, one in religion, the other in any other major field.

The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives.

Requirements for the religion block:

- 10 hours in religion, including REL 380 Christian Beliefs
- 8 hours in biblical studies
- 3 hours in philosophy
- CHM 360 Perspectives in Christian Education

**SOCIAL WORK**

(B.A. or B.S. Degree)

The social work program seeks to prepare students for professional social work practice with diverse populations in a variety of settings. This includes work with individuals and couples (micro level); families and small groups (mezzo level); and agencies, institutions, community and church organizations (macro level). There is an emphasis on generalist practice that values the uniqueness, dignity and needs of all people. Generalist practice is oriented toward analyzing and addressing problems with micro, mezzo and macro skills and perspectives.

The program courses are designed to include academic social work and field experience/practicum requirements within a liberal arts context. This enables the student to link social research with social work practice. The program prepares students to work in a variety of social work and social welfare settings, as well as to seek admission into graduate programs. The current social work program was granted candidacy status with the Council on Social Work Education (CSWE) on February 15, 1997.

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:

1. Live in compliance with the University Expectations & Responsibilities (found in the University Student Handbook).
2. Have an overall GPA of at least 2.0 prior to filing an application to the program.

3. Complete the following pre-entry courses: PSY 150 General Psychology, SOC 150 Principles of Sociology, and SWK 180 Introduction to Social Work with a GPA of at least 2.70.

4. Complete the program application process (which includes completion of a written application, recommendations and interview) on or before Jan. 30 of the student's sophomore year. Transfer students will not be held to the sophomore-year deadline but should see a social work advisor as soon as is possible.

5. Receive written acceptance into the program from the Program Admission Committee.

6. File a Declaration of Major form with the University's Registrar's Office.

**Major Requirements**

(45 hours required)

SWK 180	Introduction to Social Work
SOC 200	Social Issues
SOC 260	Social Theory
SWK 330	Human Behavior in the Social Environment
SOC 340	Statistical Procedures
SWK 361	Social Policy I
SWK 362	Social Policy II
SOC 390	Research Seminar
SWK 391	Social Work Practice I
SWK 392	Social Work Practice II
SWK 393	Social Work Practice III
SWK 475	Field Experience/ Practicum I



George Fox University is approved by the Teacher Standards and Practices Commission to offer initial licensure programs in the following:

- Biology
- Chemistry
- Elementary Education
- Health
- Family and Consumer Sciences
- Language Arts
- Mathematics
- Music
- Physical Education
- Social Studies
- Spanish

Academic preparation toward additional teaching endorsements is available in the following subjects:

- Middle School Mathematics
- Drama
- Speech
- Reading

Students seeking a license in one of these areas must also complete a specified teaching major.

Although the above programs may be completed in four years, due to current state licensing requirements, those desiring to teach middle school or high school are encouraged to consider George Fox University's Master of Arts in Teaching (M.A.T.) program. Those who wish to complete programs in four years should see an Education Department advisor before registering for freshman courses.

### **Admission to Teacher Education**

Students wishing to explore or prepare for entering a teaching career should consult with a teacher education advisor early in their freshman year.

Students make formal application for admission to the teacher education program during the introductory education class, EDU 240 Perspectives in Education, generally taken fall of the sophomore year by elementary education majors and fall of the junior year by secondary teaching majors.

Admission to the program is based upon attainment of a cumulative GPA of 2.75 or better on all college-level courses, including transfer credits; passing scores on approved basic skills tests; acceptable faculty recommendations; and exemplary social and moral behavior. Admission to the program is required before students may register for the professional education core courses.

Continuation in teacher education is based on academic achievement and satisfactory evidence of characteristics needed for successful performance in the teaching profession. Students admitted to the program are expected to maintain a cumulative GPA of 2.75 or better on all college-level classes, including transfer credits; attain grades of "C" or better on all teaching major and professional education classes; and receive satisfactory evaluations of performance in field experiences. Admitted students are subject to the policies contained in the Teacher Education Guidelines purchased when they take EDU 240 Perspectives in Education.

### **Transfer Students in Education**

Any student transferring to George Fox University must meet the same require-

ments as students who are admitted to the program.

A student transferring from a nonaccredited college will be granted conditional admission to the program until the student demonstrates ability by completing 12 semester hours in the student's first teaching field and/or professional education with a grade point average (GPA) of 2.75 or better.

### **Special Students: Teaching Credential Only**

Students holding college degrees who enroll at George Fox University for the purpose of qualifying for an Oregon Initial Teaching License must be advised by the Director of Undergraduate Teacher Education prior to enrollment in courses.

### **Admission to Student Teaching**

Acceptance into the teacher education program does not guarantee assignment for student teaching.

Application for admission to student teaching is made by filing required forms not later than the first week of the semester preceding the semester for which the assignment is requested. Admission to student teaching is based upon continued good standing; favorable recommendations; an attained cumulative GPA of 2.75 or better on all college-level courses, including transfer credits, and an average GPA of 2.75 or better in the teaching major; completion of the required teaching major and professional courses with no grade below "C"; passing scores on appropriate basic skills and content area examinations; and a minimum of 15 semester hours completed in residence program to student teaching.

### **Planning the Program**

Students should plan to finish their general

## SECONDARY EDUCATION

(B.A. or B.S. Degree)

The University offers a degree program for the preparation of secondary teachers in 10 content areas. Upon entering the University, students interested in any of the secondary education majors should contact a secondary education advisor. These students are encouraged to consider a content major, followed by a master of arts in teaching (M.A.T.) program.

### Secondary Teaching Majors

All prospective teachers in secondary education must complete the following courses, seminars and clinical experiences in addition to those required for general education and an approved teaching major:

PSY 311	Human Development: Infancy to Adolescence
EDU 240	Perspectives in Education
EDU 331	Psychological Foundations: Inclusion and Assessment
EDU 332	Psychological Foundations: Learning Theory and Classroom Management
EDU 340	Integrated Methods: Reading and Writing across the Curriculum
EDU 351	Middle Level Education
EDU 352	Middle Level Methods
EDU 375	Student Teaching I
EDU 390	Integrated Methods for Secondary Teachers
EDU 475	Student Teaching II
EDU 493	Student Teaching Seminar

## BIOLOGY TEACHING

(B.S. Degree)

### Major Requirements

The following 47-48 semester hours are required:

BIO 101, 102	General Biology
BIO 300	Evolution
BIO 310	Developmental Biology
BIO 330	Animal Physiology
or BIO 340	Plant Physiology
BIO 350	Genetics
BIO 360	Ecology
BIO 370	Microbiology
BIO 491, 492	Senior Seminar
CHE 211, 212	General Chemistry
CHE 325	Organic Chemistry

One elective course in the major

Note: In addition to these requirements, the general education component includes MTH 190 Pre-Calculus Mathematics, GSC 120 Foundations of Earth Science, and PSY 150 General Psychology.

## CHEMISTRY TEACHING

(B.S. Degree)

### Major Requirements

The following 42 semester hours are required:

CHE 211, 212	General Chemistry
CHE 310	Analytical Chemistry
CHE 325, 326	Organic Chemistry
CHE 401	Physical Chemistry
PHY 201, 202	General Physics
MTH 201, 202	Calculus I, II

One elective course in the major

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology.

## FAMILY AND CONSUMER SCIENCES TEACHING

(B.S. Degree)

### Major Requirements

The following 44 semester hours are required:

FCS 120	Apparel Construction
FCS 211, 212	Foods I, II
FCS 220	Fashion Merchandising
FCS 230	Textiles Science
FCS 250	Residential Technology
FCS 280	Marriage and the Family
FCS 290	Meal Management
FCS 300	Nutrition
FCS 330	Residential Architecture
FCS 350	Resource Management
FCS 351	Interior Design I
FCS 360	Consumer Buying
Either FCS 370	Pattern Drafting and Apparel Design
or FCS 320	Fashion Merchandising
FCS 410	Leadership of Student Organizations
FCS 440	Early Childhood Education Practicum
EDU 470	Teaching of Family and Consumer Sciences

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology.

## HEALTH EDUCATION TEACHING

(B.S. Degree)

### Major Requirements

The following 36 semester hours are required:

Either EDU 321	Early Childhood Development
or EDU 351	Middle Level Education
HEA 200	Lifestyle Management
HEA 210	Drug Education
HEA 230	First Aid and Safety

HEA 240 Stress Management  
HEA 280 Marriage and the Family  
HEA 300 Nutrition  
HEA 310 School Health Program  
HEA 320 Contemporary Health Issues  
BIO 221, 222 Human Anatomy  
and Physiology  
HHP 360 Organization and

- MUS 221, 222 Theory II
- MUS 230 String Techniques
- MUS 250 Folk Guitar Techniques
- MUS 260 Band Techniques
- MUS 311, 312 Music History
- MUS 430 Instrumentation and  
Orchestration
- MUS 460 Advanced Conducting

Choose one authorization:

- EDU 421 Elementary and Preschool  
Music Methods
- EDU 424 Middle School Methods:  
Vocal and Instrumental

or

- EDU 422 Secondary School  
Music Methods: Vocal  
and Instrumental
- EDU 424 Middle School Methods:  
Vocal and Instrumental

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology.

Note: Students with an emphasis in music education are required to pass a piano proficiency examination by the end of their sophomore year and to present a solo recital in their junior or senior year. See music "Major Requirements" statement on page 49 for further details.

## PHYSICAL EDUCATION TEACHING

(B.S. Degree)

### Major Requirements

The following 44 semester hours are required:

- Either* EDU 321 Early Childhood  
Education
- and* EDU 333 Developmental Health  
and Physical Education
- or* EDU 351 Middle Level Education
- and* EDU 410 Teaching Physical  
Education, Secondary/  
Middle Level
- HHP 200 History and Principles of  
Physical Education
- HHP 221-224, 226-229, 231, 232  
Professional Activities
- HEA 230 First Aid and Safety
- HHP 300 Coaching Theory and  
Practice
- HHP 310, 320, 330, 340, or 350  
(One coaching course)

- HHP 360 Organization and  
Administration of Health,  
Physical Education, and  
Athletic Training
- HHP 390 Care and Prevention of  
Athletic Injuries
- HHP 394 Kinesiology
- HHP 430 Exercise Physiology
- HHP 460 Physical Education for the  
Exceptional Student
- HHP 470 Motor Development and  
Motor Skill Learning
- HHP 480 Tests and Measurements in  
Physical Education
- HHP 490 Senior Seminar
- BIO 221, 222 Human Anatomy and  
Physiology

Note: In addition to these requirements, the general education component in-cludes PSY 150 General Psychology.

## SOCIAL STUDIES TEACHING

(B.S. Degree)

### Major Requirements

The following 45 semester hours are required:

- HST 490 History Seminar  
World History (non-U.S.)  
2 upper-division courses  
U.S. History
- HST 150 America and the World
- Two of the following:  
HST 458 The Making of the  
American Republic,  
1754-1825
- HST 459 The Era of the Civil  
War, 1825-1898

- HST 468 America in the Time of  
the Two World Wars,  
1898-1945
- HST 469 Recent America, 1945  
to the Present

### ♦ GEOGRAPHY

- GEO 200 Cultural Geography and  
Global Relationships

### ♦ ECONOMICS

- Either* ECO 201 Principles of  
Microeconomics
- or* ECO 202 Principles of  
Macroeconomics
- ECO 360 Global Political Economy

### ♦ GOVERNMENT

- PSC 210 American Government

One additional course from

- PSC 240 State and Local Government  
(recommended)
- PSC 260 Introduction to Law

### ♦ SOCIOLOGY

- SOC 200 Social Problems
- SOC 310 Cultural Anthropology

### ♦ ELECTIVES:

Two courses selected from

- HST 430 Vietnam Experience
- PSC 250 International Conflict  
and Peace
- PSC 310 Conflict Resolution

PSC 340 International Relations  
 PSC 220/420 War and Conscience in  
 the United States  
 PSY 350 Social Psychology  
 PSY 360 Learning  
 SOC 330 Urban Problems  
 SOC 380 Race, Ethnicity, Gender,  
 and Class  
 SOC 410 Juvenile Delinquency  
 GED 375 Cultural Experience

## TEACHING SUPPORT AREAS

A teaching support area must be

Note: In addition to these requirements, the general education component includes HST 110 Western Civilization to 1648 and PSY 150 General Psychology. ECO 201 Principles of Microeconomics will not fulfill the general education requirement under social science for social studies teaching majors.

## SPANISH TEACHING

(B.A. Degree)

### Major Requirements

The following 33 semester hours are required:

SPN 301, 302 Third-Year Spanish  
 SPN 340<sup>1</sup> Spanish Culture and  
 Civilization  
 SPN 350<sup>1</sup> Latin American Culture  
 and Civilization  
 SPN 410<sup>1</sup> Introduction to  
 Spanish Literature  
 SPN 420<sup>1</sup> Introduction to Latin  
 American Literature

18 semester hours in a study  
 abroad program approved by a Spanish  
 advisor

<sup>1</sup> Students may select three of the four  
 courses, SPN 340, 350, 410 or 420.

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology.



♦ **THEORY CORE COURSES**

THE 240 Understanding Drama  
LIT 385 Major Authors  
COM 300 Theoretical Approaches  
to Communication  
THE 340 Theatre as Ministry  
COM 400 Critical Approaches  
to Communication

♦ **PRACTICUM**

Seven hours from THE 125/325 Theatre  
Laboratory, THE 165/365 George Fox  
University Players, or  
THE 275/475 Field Experience.

♦ **RECOMMENDED**



*Courses are listed alphabetically by prefix.*

## ACCOUNTING

*Additional courses are listed under Business and Economics.*

### **ACC 271 Principles of Financial Accounting**

3 hours. Accounting as the language of business. An introductory overview course in accounting from a user perspective. Its purpose is to give students a basic understanding of the logic behind the principles of accounting, enabling them to prepare, read, analyze and interpret financial statements for the purpose of decision making.

### **ACC 272 Decision Making with Accounting Information**

3 hours. This course is a continuation of Accounting 271. It emphasizes the uses of accounting data by management and will cover the following topics: the use of financial statements in analysis, budgeting concepts, cost-profit relationships, costing systems, time-value of money, and management decision making. Prerequisite: ACC 271 Principles of Financial Accounting.

### **ACC 273 Accounting Information Systems**

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 and is to be taken concurrently with ACC 272 Decision Making with Accounting Information. Prerequisite: ACC 271 Principles of Financial Accounting.

### **ACC 350 Taxation**

4 hours. Offered 2000-01. This is an introductory course on fundamental concepts in taxation. The objective of this course is learning to recognize major tax issues inherent in business and financial transactions. The course will emphasize measurement and taxation of business income, along with an introduction to taxation of individuals. Prerequisite: ACC 271 Principles of Financial Accounting.

### **ACC 371, 372 Financial Accounting and Reporting**

4 hours each semester. A comprehensive study of generally accepted accounting principles, including a review of their historical development and a thorough study of the underlying theory supporting them. A detailed study of many specific problems associated with the measurement and reporting of complex business transactions. Prerequisites: ACC 272 Decision Making with Accounting Information and ACC 273 Accounting Information Systems.

### **ACC 471 Advanced Accounting**

4 hours. Offered 2001-02. Accounting for specific types of entities, such as partnerships and not-for-profit organizations. The accounting problems encountered in business combinations and foreign currency translation will be studied. Prerequisites: ACC 272 Decision Making with Accounting Information and ACC 273 Accounting Information Systems.

### **ACC 472 Auditing**

4 hours. Offered 2000-01. An introduction to the standards and procedures observed by Certified Public Accountants in the examination of financial statements. Special areas of study will include evaluation of internal control, ethical considerations, legal environment, the auditor's reports, and evidence-collecting and evaluation. Prerequisites: ACC 272 Decision Making with Accounting Information and ACC 273 Accounting Information Systems.

## ART

*Survey of Art is offered under GED 220.*

### **ART 101, 102 Basic Design**

3 hours each semester. ART 101 is an introduction to materials, techniques and theory related to two-dimensional design. ART 102 focuses on three-dimensional design. Hands-on projects are the primary learning mode.

### **ART 111, 112 Drawing**

3 hours each semester. This course is a study of materials, methods and techniques used for drawing with pencil, ink, charcoal and other drawing media. ART 111 may be taken as an alternative to GED 220 Survey of Art in meeting the general education requirement. ART 111 is a prerequisite for ART 112.

### **ART 201 Beginning Painting**

3 hours. Introduces students to materials, methods and techniques used in painting

**ART 241 Beginning Ceramics**

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

**ART 250 Introduction to Graphic Design**

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

**ART 265 Contemporary Art Seminar**

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

**ART 285 Selected Topics**

1-3 hours. ART 285 is a lecture/studio class that deals with areas of interest in art, such as watercolors, calligraphy, or special topics in art history.

**ART 301 Intermediate Painting**

3 hours. Provides an opportunity for further development of skills and for the introduction of more advanced techniques. Prerequisite: ART 201 Painting.

**ART 321 Intermediate Sculpture**

3 hours. Provides an opportunity for further development of skills and for the introduction of more advanced techniques. Prerequisite: ART 221 Beginning Sculpture.

**ART 331 Intermediate Printmaking**

3 hours. An introduction to intaglio print-making (etching, engraving, drypoint, aquatint) techniques and methods. Prerequisite: ART 231 Beginning Printmaking.

**ART 341 Intermediate Ceramics**

3 hours. An introduction to basic wheel-throwing techniques and surface design. Prerequisite: ART 241 Beginning Ceramics.

**ART 350 Intermediate Graphic Design**

3 hours. Provides an opportunity for further development of skills and for the introduction of more advanced techniques. Prerequisite: ART 101 Basic Design I and ART 250 Introduction to Graphic Design.

**ART 381 Baroque and Rococo Art**

3 hours. Art and its relationship to European culture from 1600 to 1800.

**ART 382 Twentieth Century Art**

3 hours. Art and its relationship to Western culture of the twentieth century.

**ART 385 Special Topics in Art History**

3 hours. Art and its relationship to a non-Western culture, e.g., African, Asian, Latin American. Specific topic will be dependent on the instructor's area of specialization.

**ART 401 Advanced Painting**

3 hours. Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Prerequisite: ART 301 Intermediate Painting.

**ART 421 Advanced 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: ART 321 Intermediate Sculpture.

**ART 431 Advanced Printmaking**

3 hours. Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Prerequisite: ART 331 Intermediate Printmaking.

**ART 441 Advanced Ceramics**

3 hours. Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Prerequisite: ART 341 Intermediate Ceramics.

**ART 460 Art and Christ**

3 hours. A study of the relationship between art and Christianity in the contemporary world. Designed primarily for studio art majors. Prerequisites: ART 381 Baroque and Rococo Art, or ART 382 Twentieth Century Art, or ART 385 Special Topics in Art History, and junior or senior standing.

**ART 475 Field Experience**

3 hours. Students may petition to take ART 475 in place of ART 490. Field Experience provides on-site work experience at an approved business or institutional site. All majors electing ART 475 (in place of ART 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. By petition.

**ART 490 Senior Thesis Exhibit**

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 ART 475 for ART 490. Prerequisite: Art major with senior standing or by permission.

**ART 295/495 Special Study**

1-3 hours. Designed to give two emphases for the serious art student: to allow for further individual study in a media 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.

## SIGN LANGUAGE

### **ASL 101, 102 American Sign Language**

2 hours each semester. Offered 2001-02. An introduction to American Sign Language, the language of the deaf culture in the United States and Canada. The course introduces ASL signs and basic ASL grammar and syntax, and develops an understanding and appreciation of the adult deaf culture. Receptive and expressive skills in conversational ASL are taught. Practice outside the classroom required.

## BIBLICAL STUDIES

*Survey courses are offered under GED 101, 102 Literature of the Old and New Testaments.*

### **BIB 240 Wisdom Literature**

2 hours. The wisdom literature of the Old Testament is investigated historically, literarily and theologically. The origin and development of the biblical wisdom traditions in the books of Proverbs, Job and Ecclesiastes are considered in the context of the broader, international wisdom of the ancient Near East and the intertestamental literature. Prerequisite: GED 101 Literature of the Old Testament recommended.

### **BIB 250 The Psalms**

2 hours. An exploration of the Psalms with special attention to their forms, themes, and original cultural settings as well as how the Psalms have been preserved and applied in the community of faith. Students will also consider approaches to interpreting and learning from the Psalms today. Prerequisite: GED 101 Literature of the Old Testament recommended.

### **BIB 260 Life of Christ**

2 hours. The synoptic writers — Matthew, Mark and Luke — form the foundation for this inquiry into the life and teaching of Jesus Christ. Prerequisite: GED 102 Literature of the New Testament recommended.

### **BIB 270 Writings of John**

2 hours. This course explores what it means to believe in Jesus Christ, the Son of God, as depicted in Johannine literature: the Gospel and letters of John and Revelation. Special attention will be given to John's Christological, sociological setting and message as they relate to the lives of modern readers. Prerequisite: GED 102 Literature of the New Testament recommended.

### **BIB 310 Old Testament History**

3 hours. Offered 2001-02. The history of ancient Israel is studied employing the text of the Old Testament narratives in Genesis



**BIO 360 Ecology**

4 hours. An analysis of population, community and ecosystem dynamics.

Laboratory will emphasize field measurements, computer modeling and behavior.

**BUS 275 Field Experience**

1-3 hours. An on-the-job experience or observation designed to acquaint the student with the business world.

**BUS 300 Management**

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: BUS 110 Introduction to Business.

**BUS 320 Human Resources Management**

3 hours. Offered 2001-02. Examination of major personnel issues including the procurement, development, compensation and maintenance of an effective work force. Also covered will be topics related to labor legislation and labor-management relations. Prerequisites: BUS 110 Introduction to Business, and BUS 300 Management.

**BUS 330 Small Business Management and Entrepreneurship**

3 hours. Offered 2000-01. A study of the process of establishing and managing a small business. The course involves field work, original thinking and research. Students will design management information systems, marketing strategies and other aspects of owning a small business. Prerequisites: ACC 271 Principles of Accounting, and consent of the department.

**BUS 340 Marketing**

3 hours. Study of the marketing concept, consumer demand and behavior, and mar-



## CHEMISTRY

### **CHE 100 Chemistry of Life**

3 hours. This course will cover concepts of organic and biochemistry at an elementary level. Emphasis will be placed on medical and biological applications of chemical principles. Topics will include acids and bases, alcohols, carbohydrates, proteins, lipids and metabolism. This course meets general education requirements and is designed for non-science majors. Two lectures and one laboratory period per week.

### **CHE 110 Chemistry and Our Environment**

3 hours. This course will cover introductory concepts of chemistry. Special attention is given to topics of current interest, such as environmental chemistry, polymer chemistry and household chemistry. This course meets general education requirements and is designed for non-science majors. It is recommended for students who need an introduction to chemistry prior to taking CHE 211 General Chemistry. Two lectures and one laboratory per week.

### **CHE 151, 152 General, Organic, and Biological Chemistry**

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

### **CHE 211, 212 General Chemistry**

4 hours each semester. This course covers fundamental chemical principles, reactions and modern theories. Special emphasis is given to the role of chemistry in everyday life. Three lectures and one laboratory period per week. Prerequisite: High school chemistry, CHE 110 Chemistry and Our Environment, or math SAT score.

### **CHE 310 Analytical Chemistry**

3 hours. Offered 2000-01. An introduction to the principles and techniques of quantitative chemical analysis. Material includes gravimetric, volumetric and complexometric analysis; neutralization, precipitation and oxidation-reduction titrations; solubility; statistical methods of data analysis; and an introduction to instrumental methods. Two lectures and one three-hour laboratory per week. Prerequisite: CHE 211, 212 General Chemistry.

### **CHE 320 Advanced Inorganic Chemistry**

3 hours. Offered 2001-02. Atomic structure, chemical bonding, periodic trends of structure, physical properties and reactivities of the elements, group theory as applied to molecular structure and non-metal and transition-metal chemistry. Three lectures per week. Prerequisite: CHE 211, 212 General Chemistry.

### **CHE 325, 326 Organic 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. Prerequisite: CHE 211, 212 General Chemistry.

### **CHE 340 Biochemistry**

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. Prerequisite: CHE 325, 326 Organic Chemistry.

### **CHE 384 Research Methods**

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. Identical to BIO 384. One lecture per week.

### **CHE 390 Organic Synthesis and Analysis**

3 hours. Offered 2001-02. This course will emphasize advanced laboratory techniques for the synthesis, isolation and identification of organic compounds. Spectroscopy will be emphasized for the analysis of compounds. Advanced separation techniques such as gas chromatography and vacuum distillation will be studied. One lecture and two three-hour laboratory periods per week. Prerequisite: CHE 325, 326 Organic Chemistry.

**CHE 401, 402 Physical Chemistry**

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

Prerequisites: CHE 111, 112 General Chemistry, MTH 301 Calculus III, and either PHY 202 General Physics or PHY 212 General Physics with Calculus.

**CHE 410 Advanced Chemical Measurements**

3 hours. Offered 2001-02. Principles and techniques of modern instrumental physicochemical and analytical measurements. Literature search methods, scientific writing techniques and seminar presentation techniques are covered. Two lectures and one three-hour laboratory per week.

**CHM 420 Christian Preaching**  
2 hours. Building an understanding of the

**UNDERGRADUATE COURSES c**

## COMMUNICATION MEDIA AND BROADCAST

### **CMB 230 Introduction to Television Production**

3 hours. An introduction to the language and the technical, creative and aesthetic elements of the television production process. Course includes basic lighting, sound, camera operation, composition and design of visual elements, producing, and directing through both classroom and supervised laboratory experiences.

### **CMB 250 Digital Multimedia Production**

3 hours. The focus of the course is on effective communication strategies of interactive media as traditional media converges on the digital platform. Special attention will focus on designing non-linear 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.

### **CMB 260 Scriptwriting for Media**

3 hours. Offered 2000-01. An introduction to the styles, techniques, content and forms of media writing. Nondramatic forms of writing — including broadcast news, commercial, television feature and informational — are covered. The writing of several short scripts is required in the course. Prerequisite: WRI 110 Freshman Composition.

### **CMB 295 Broadcast News**

3 hours. Striking a balance between analysis and production, Broadcast News looks at the historical roots and current trends of television news. Students put this analytical knowledge to the test in producing their own news stories to air on cable TV.

### **CMB 320 Dramatic Scriptwriting**

3 hours. Offered 2001-02. An introduction to the art of dramatic writing for television and film. Dramatic structure, plot scenarios, dialogue, characterization and moralization are among several topics examined and exercised. The writing experience is complemented through an examination of the business aspects of writing, including spec-scripts, agents and the Hollywood system.

### **CMB 340 Audio Production and Broadcasting**

3 hours. Offered 2000-01. Concentrating on recording, editing, and mixing multi-track audio on a digital platform. The course will look at special recording techniques used for (a) human voices in speaking, singing, and dramatic performance, (b) musical instruments, and (c) dramatic sound effects. Students will complete projects in editing and mixing of multi-track sound programs.

### **CMB 350 Editing Video**

3 hours. Offered 2000-01. Theory and practice in editing the moving image. Analysis of Hollywood and avant-garde styles of editing is followed by practice exercises illustrating each concept.

### **CMB 355 Event Video Production**

3 hours. This course concentrates on live multicamera production of sporting, theatrical, and entertainment events. The course concentrates on producing and directing components, but also features setting up multicamera remote systems for video broadcast.

### **CMB 430 Producing and Directing Television**

3 hours. Offered 2001-02. An advanced course in television directing and producing, from program conceptualization to evaluation of the finished program. Concentration on the principles and aptitudes of planning and picturization of script material, culminating in the production and editing of television programs. Prerequisite: Permission of the instructor.

### **CMB 475 Field Experience**

3 hours. Offered 2001-02. A supervised field experience of the finished program. Prerequisite: Permission of the instructor.

## COMMUNICATION ARTS

### **COM 100 Introduction to Communication**

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.

### **COM 200 Persuasive Communication**

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, etc. Prerequisite: COM 100 Introduction to Communication, or equivalent.

### **COM 210 Interpersonal Communication**

3 hours. Theoretical and reflective study and guided experience in dyadic and small group communication, with attention given

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

3 hours. Offered 2001-02. An intro-duc-

**ECO 475 Field Experience**

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

**ECO 485 Selected Topics**

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

**ECO 495 Special Study**

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

**EDUCATION**

**EDU 240 Perspectives in Education**

2 hours. An overview of history and social issues in education and an exploration of teaching as a career. Introduction to the





**EDU 495 Special Study**

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

**EGR 211 Engineering Mechanics — Statics**

3 hours. Offered 2000-01. Qulu.-3.5747pMeTD(ecture/labD(ects3ram-w3Su.-3.5up1p3F17.6y35-g(CAD)Tj -e-)

**ENGINEERING**

♦ **GENERAL ENGINEERING**

**EGR 151, 152 Engineering Principles I & II**

2 hours each semester. Introduction to the concepts and methods of engineering problem solving and design. Topics include the following: analysis and design methodologies, structured computer programming, basic principles of engineering graphics, the visualization and modeling of real-world systems, and an introduction to the history and ethics of the engineering profession. Computer-aided design (CAD) tools, solid modeling and simulation software, and mathematics software applications are presented. Students work on numerous team design projects, communicating their results through oral and written reports. Meets twice weekly in a lecture/lab environment. Prerequisite: MTH 190 Pre-Calculus Mathematics, or equivalent.

**EGR 481 Senior Design I**

1 hour. Offered 2003-04. In the senior design sequence, students apply their knowledge and design skills gained through coursework to an industry-based project. In the first semester, interdisciplinary teams are formed to begin projects in conjunction with participating industrial sponsors. Necessary background research and feasibility studies are completed. Students must also consider the ethical, moral, environmental, and social impact of their designs. Collaboration with other departments of the University is encouraged. Prer



**EGM 350 Machine Dynamics and  
Vibrations**

3 hours. Offered 2002-03. Kinematic and dynamic analysis of basic mechanisms with an introduction to kinematic synthesis.

♦ **LEVEL A (BEGINNING AND LOW INTERMEDIATE)**

**ESL 055 Reading**

4 hours. A course designed to teach basic reading skills and vocabulary.

**ESL 060 Writing and Grammar**

4 hours. An introduction to the fundamental structure and vocabulary of the English language, focusing on the development of writing skills.

**ESL 065 English by Video**

2 hours. Offered spring semester.

A practical course in which students develop English skills through reading, writing, speaking and listening based on various types of videos.

**ESL 070 ESL Freshman Experience**

2 hours. Offered fall semester. An introduction to life at George Fox University. Through various group activities, beginning/low 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 language skills consistent with their level.

**ESL 075 Speaking and Listening**

## UNDERGRADUATE COURSES

**FCS 350 Resource Management**

2 hours. Offered 2000-01. A study of resource allocation (time, money, energy) and its relationship to attainment of desired values, goals and standards. Emphasis is placed on the application of management principles individually and within the family.

**FCS 351 Interior Design I**

3 hours. Application of the elements of art and principles of design in planning and selecting materials and furnishings for the living environment. Emphasis on developing plans using available resources to fulfill the goals of the family while providing a functional and aesthetically pleasing interior design. Includes a section on historical furniture.

**FCS 352 Interior Design II**

2 hours. Offered 2000-01. Emphasis on the knowledge and skills needed for a career in interior design merchandising, both private and professional. Requirements will include developing a portfolio for a client and computer-assisted design and drafting (CADD). Prerequisites: FCS 351 Interior Design I, or instructor's permission.

**FCS 353 Interior CAD**

3 hours. Offered 2001-02. Computer applications in interior design, with emphasis on computer-aided design and drafting. Emphasis placed on the application of the design principles. Prerequisites: FCS 351 Interior Design I, or instructor's permission.

**FCS 360 Consumer Buying**

3 hours. Offered 2000-01. Analysis of the consumer 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.

**FCS 370 Pattern Drafting and Apparel Design**

3 hours. Offered 2001-02. Studies flat-pattern variations as they relate to garment design. Each student will produce a sloper and an original pattern through flat-pattern techniques, construct an original design in half scale, and design and construct in full scale. Advanced fitting principles will be covered. Prerequisite: FCS 120 Apparel Construction.

**FCS 378 Apparel CAD**

3 hours. Offered 2000-01. Students will be instructed in computer-aided design and draping techniques. Each student will design a prototype and garment by using the techniques presented in this course. Research related to designers will be included. Prerequisite: FCS 120 Apparel Construction.

**FCS 380 Evolution of World Dress**

3 hours. Important events in history, combined with values, technology and conflict, have influenced dress from 3000 B.C. to the early 1900s. The origins of dress are analyzed from the ancient world to the Middle Ages, to the periods identified as Renaissance, Baroque and Rococo and terminating with clothing styles from the 19th century.

**FCS 410 Leadership of Student Organizations**

1 hour. Practical experience in leading a Future Family and Community Leaders (formerly FHA/HERO) chapter within a public school in the area will be the main emphasis. Required for family and consumer sciences teaching majors. Prerequisite: Permission of the instructor.

**FCS 430 Nutrition and the Life Cycle**

3 hours. Offered 2001-02. Application of human nutrition to different stages of the life cycle, from conception to the senior years. Emphasis on dietary needs connected with contemporary health issues. Lecture and individualized research. Prerequisite: FCS 300 Nutrition, or permission of the instructor.

**FCS 440 Early Childhood Education Practicum**

2 hours. A study of principles and techniques applicable to planning curriculum and teaching preschool children. Observation and participation in a preschool center included. Prerequisite: FCS 311 Human Development: Infancy to Adolescence, and permission of the instructor.

**FCS 460 Apparel Market Analysis**

3 hours. Offered 2000-01. Students will examine the role that the textile and apparel industry plays within a global context. Exploring the influence of the interconnected global structures for facilitating and managing textile and apparel trade.

**FCS 475 Field Experience**

1-4 hours. Supervised experience with an off-campus industry, business or institution where the student is observing and working with a professional. Permission of instructor required.

**FCS 490 Senior Seminar**

3 hours. A capstone course for those anticipating entrance into family and consumer sciences-related careers. The emphasis will be on careers in family and consumer sciences; planning and giving demonstrations and an audiovisual presentation; writing behavioral objectives that are measurable; and building resource files. Prerequisites: Junior or senior standing or permission of the instructor.



## FRENCH

### **FRE 101, 102 First-Year French**

3 hours each semester. An integrated introductory 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.

### **FRE 201, 202 Second-Year French**

3 hours each semester. A systematic approach to the study of French with extensive practice in speaking and writing. Prerequisite: FRE 102, First-Year French or equivalent, or instructor's consent.

### **FRE 275/475 Field Experience**

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

### **FRE 285/485 Selected Topics**

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

### **FRE 301, 302 Third-Year French**

3 hours each semester. Offered 2001-02. A thorough review of French to develop advanced proficiency in the language. Prerequisite: FRE 202 Second-Year French or instructor's consent, or by testing.

### **FRE 310 Introduction to French Literature**

3 hours. Offered 2001-02. A one-semester introduction to French literature. This course will introduce students to selected masters and periods of French literature. Taught in French. Prerequisite: FRE 202 Second-Year French, or instructor's consent.

### **FRE 350 French Culture and Civilization**

3 hours. Offered 2000-01. An introduction to the culture and civilization of France. Areas of study may include history, art, music, intellectual schools, current events, etc. Taught in French. Prerequisite: FRE 202 Second-Year French, or instructor's consent.

### **FRE 495 Individual Research or Field Work**

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.

## GENERAL EDUCATION

*The following list includes both required general education courses and cross-disciplinary elective courses that serve particular purposes.*

### **GED 100 Effective College Learner**

1 hour. A course related to the Academic Success Program through which personal confidence is enhanced by instruction in study skills, methods and tools used by successful college students. It may be taken during the spring semester by students not in the Academic Success Program.

### **GED 101, 102 Literature of the Old and New Testaments**

3 hours each semester. Using selected books and portions, the Old and New Testaments will be studied with attention given to historic contexts and to the tools useful in biblical study. The major religious themes of the Bible and their literary forms also will constitute an important part of the year's work. Freshmen are required to take this course, or a three-hour lower-division Bible elective given a superior placement examination.

### **GED 110 The World of Music**

2 hours. This course acquaints the liberal arts student with a broad range of musical styles reflecting diverse cultures, including classical, jazz and popular music. Various composers, performers, and their music are listened to and studied.

### **GED 130 Freshman Seminar**

1 hour. Members of the entire entering freshman class select a small seminar-style topical course for the first five weeks of fall semester, meeting weekly with a faculty advisor and a returning student peer advisor. Selected topics and issues introduce students comfortably to the academic and social life of the University community. Required of all first-time freshmen.

### **GED 271, 272 Sophomore Honors Colloquium**

### **GED 371, 372 Junior Honors Colloquium**

1 hour each semester. This is one combined course, with students registering at their

**GED 214 Designing Your Career Plan; Discovering Your Career Self**

1 hour. This course, for freshmen and sophomores, will cover learning about one's self, life mission, work skills, values, interests and personality. Educational and occupational opportunities will be examined in light of this self assessment, which will lead to selecting a major. Use of career assessment tools, career computer system, standard career references, major research, and introduction to work-related experiences will be the sources of information in these tasks. The meaning of work and career decision-making will be addressed from the biblical perspective.

**GED 216 Managing Your Career Plan; Connecting with the Workplace**

1 hour. This course, for sophomores and juniors, will focus on additional exploration of occupations through information interviews, internships, company tours, job shadowing, and professional organizations. Exposure to the workplace and readiness for graduate school admission are the primary objectives. The course will also address the need to bring clarity and definition to the career decision. The meaning of work and career decision-making will be explored from the biblical perspective.

**GED 218 Implementing Your Career Plan; Finding After-College Employment**

1 hour. This course, for juniors and seniors, will focus on honing skills needed to find employment; contemporary résumé writing, interviewing, strategizing a job search, networking, and completing a portfolio. Making employer contacts, transitioning successfully into the professional work force with an understanding of the market, and learning to solve future career problems will be emphasized. The meaning of work and career decision making will be discussed from the biblical perspective.

**GED 220 Survey of Art**

2 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. Recommended for the sophomore year or above.

**GED 375 Cultural Experience**

Maximum 12 hours. Supervised experience in a cultural setting that contributes to the educational goals of the student. This may include, but is not limited to, Juniors Abroad study tours. Prerequisite: Consent of advisor and the academic dean.

**GEOGRAPHY**

**GEO 200 Cultural Geography and Global Relationships**

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

**GERMAN**

**GER 101, 102 First-Year German**

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**GSC 285/485 Selected Topics**

3 hours. A variety of topics may be offered to meet the special needs and interests of students, faculty or visiting professors.

**HEALTH EDUCATION**

*Additional courses are listed under Human Performance.*

**HEA 200 Lifestyle Management**

3 hours. Offered 2001-02. The basic principles of healthful living, with emphasis on the prevention of health problems, effects of lifestyle on health, and the individual's responsibility in determining his or her own health status.

**HEA 210 Drug Education**

2 hours. Problems concerned with the use, misuse and abuse of selected pharmacological agents. Social, psychological, physical and moral implications are considered. Particular consideration is given to ergogenic aids in athletics.

**HEA 230 First Aid and Safety**

2 hours. Instruction in first aid and safety using the Basic First Response curriculum of American Red Cross, and leading to American Red Cross certification in first aid and CPR.

**HEA 240 Stress Management**

3 hours. Offered 2001-02. A study of causes, symptoms and results of stress. Introduces practical techniques to alleviate stress, promote relaxation, and encourage a healthy lifestyle.

**HEA 280 Marriage and the Family**

3 hours. A focus on relationships and issues in marriage and family development, covering in Christian perspective such topics as families in cultural context, American family development, the married pair, parenting, the empty nest, widowhood and singleness. (Identical to SOC 280 and FCS 280.)

**HEA 300 Nutrition**

3 hours. A study of nutrients present in foods and their relation to the nutritive needs of the human body. Emphasis on the young adult, along with discussion of contemporary nutrition-related topics of national and global concern. Computer-assisted dietary analysis will be included. (Identical to FCS 300.)

**HEA 310 School Health Program**

3 hours. Purposes and procedures of health services and instruction in the schools. Special emphasis on construction of health teaching units and selection of methods and materials.

**HEA 320 Contemporary**

**Health Issues**

3 hours. Offered 2000-01. A study of our nation's current health problems and concerns. Emphasis on health consumerism and current trends, diseases, the sanctity of life, and fitness. Goal is to develop an educated view on current health issues.

**HEA 285/485 Selected Topics**

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

**HEBREW**

**HBW 201, 202 Introduction to Biblical Hebrew**

4 hours each semester. The language of ancient Israel as preserved in the Hebrew Bible is encountered inductively through the study of the text of Esther. Mastery of basic vocabulary, grammar and syntax of narrative Hebrew prose is the goal of this two-semester sequence. The second semester may be applied as biblical studies major credit.

**HUMAN PERFORMANCE**

*Additional courses are listed under Health Education.*

**HHP 200 History and Principles of Physical Education**

2 hours. Offered 2000-01. A survey of the history and development of physical education and athletics in America. The course will also emphasize fundamental principles of physical education and sport.

**HHP 221 Basketball/Golf**

1 hour. Offered 2000-01. Intermediate to advanced instruction in skills, teaching techniques, rules and strategy for basketball and golf.

**HHP 222 Field Sports**

1 hour. Offered 2000-01. Intermediate to advanced instruction in skills, teaching techniques, rules and strategy. Flag football, soccer, speedball and korfbal are emphasized.

**HHP 223 Tumbling/Gymnastics**

1 hour. Offered 2001-02. Intermediate to advanced instruction in skills, teaching techniques, spotting and safety factors involved in tumbling and gymnastics.

**HHP 226 Tennis/Volleyball**

1 hour. Offered 2001-02. Intermediate to advanced skills and techniques, with emphasis on learning how to teach basic skills and drills. Tournament organization and game administration are included.

**HHP 227A Aquatics: Lifeguarding**

1 hour. Advanced skills in water safety, rescue and stroke technique. Red Cross Lifeguarding Certification is offered. Prerequisite: Instructor approval.

**HHP 227B Aquatics: Water Safety Instruction**

2 hours. Advanced skills in water safety and stroke instruction techniques. Red Cross Certification is offered. Prerequisites: Current CPR, First Aid, Basic Water Safety, Emergency Water Safety, and instructor's approval.

**HHP 228 Conditioning/Body Mechanics and Aerobics**

1 hour. Offered 2001-02. Instruction in concepts related to developing and maintaining physical fitness and movement skills.

**HHP 229 Folk and Western Dance**

1 hour. Instruction in basic to intermediate steps in international folk dances, in Western dance, and in ballroom dance.

**HHP 232 Recreational Games, Individual and Team**

1 hour. Offered 2000-01. Intermediate to advanced instruction in skills, teaching techniques, rules and strategy for archery, badminton and recreational games.

**HHP 295 Special Study**

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

**HHP 300 Coaching Theory and Practice**

2 hours. Offered 2000-01. The development of a philosophy of coaching. Emphasizes the psychological, sociological and technical aspects of athletic participation.

**HHP 310 Coaching Basketball**

2 hours. Offered 2001-02. An analysis of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and techniques of scouting are

**HHP 375 Athletic Training Practicum**

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. Prerequisite: HHP 390 Care and Prevention of Athletic Injuries, HHP 413 Therapeutic Exercise, HHP 414 Therapeutic Modalities, declared athletic training major. (4 hours required.)

**HHP 380 Recreational Leadership**

2 hours. A study of leadership styles, techniques and methods in the field of recreation. The course also will include practical information on the construction and operation of intramural programs in a variety of settings.

**HHP 384 Pharmacology in Athletic Training**

1 hour. Offered 2001-02. An emphasis on the knowledge, skills and values required of an athletic trainer on pharmacologic applications, including indications, contraindications, precautions, interactions, and governing regulations relevant to the treatment of injuries and illnesses of the physically active. Prerequisite: BIO 221, 222 Human Anatomy and Physiology.

**HHP 390 Care and Prevention of Athletic Injuries**

3 hours. An introductory survey of athletic training. Emphasis will be on terminology, injury evaluation, rehabilitation, and emergency care procedures. Common taping techniques also will be presented.

**HHP 394 Kinesiology**

3 hours. Offered 2000-01. Application of human anatomy and physical laws to the explanation of movement activities. Special emphasis is given to detailed analysis of various sports activities. Prerequisite: BIO 221, 222 Human Anatomy and Physiology.

**HHP 400 Recognition of Athletic Injuries**

3 hours. Course will examine "normal" human anatomy, mechanisms of athletic injury, and deviation from "normal" anatomy in an athletic injury. Practice time will be given on t0ety.9 TD

**HPA 125 Adapted Activities**

1 hour. Three hours of credit required for graduation. Offered to those students who are unable to participate in regular physical education activities because of physical limitations. A statement from the student's physician is required.

**HPA 145/345 Intercollegiate Athletics**

1 hour. Two credits toward the physical education general education requirement may be earned in athletics, but no more than one hour in any one sport may be counted toward the requirement.

**HISTORY****HST 110 Western Civilization**

**HST 402 Christianity in History**

3 hours. Offered 2001-02.

Christianity's development from the dawn of the Protestant Reformation through its global spread during the modern era, observing its historical context and relation-





**LIT 240 Understanding Drama**

3 hours. A study of significant plays from the classical period to the present, both as literary works and staged productions, the goal being a deeper understanding and appreciation of drama as a symbolic form. Primary focus is on literary values, with attention also given to the constraints and interpretations embodied in the staging, acting and directing of a play. (Identical to THE 240.)

**LIT 270 Great British Writers**

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

**LIT 285/485 Selected Literary Topics**

3 hours. A course offered occasionally whereby professors and students may investigate interesting literary byways. Past selections have included studies in science fiction, the literature of human rights, the short story and the works of particular authors.

**LIT 326 American Literature to 1865**

3 hours. A selective look at early American literature, from 1607 to 1865. A study of the themes, movements and writers who influenced and were influenced by the growth of the new nation. Prerequisite: One 100- or 200-level literature course or consent of the instructor.

**LIT 327 American Literature, 1865 to 1914**

3 hours. A selective look at the literature of the United States, from 1865 to 1914. Particular attention is given to the masters of realistic and naturalistic fiction, and to the poets who most clearly influenced modern poetry. Prerequisite: One 100- or 200-level literature course or consent of the instructor.

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**LIT 495 Individual Research**

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

**MANAGEMENT  
& BUSINESS  
INFORMATION  
SYSTEMS**

**MBS 411 Fundamentals of Information Systems**

3 hours. An introduction to systems and development concepts, information technology (IT), and application software. Explanation of how information is used in

cation. Life-learning essays and business writing assignments are included in course requirements.

**MOL 403 Organizational Theory and Analysis**

3 hours. This course provides an overview of the field of organization and leadership theory. It gives the student an understanding of the roles of management in fulfilling the mission and goals of an organization. The course includes principles of general systems theory and their implications for understanding organizations.

**MOL 404 Organizational Communication**

3 hours. This course investigates the role communication plays in creating a productive work environment. Emphasis is placed on effective interviewing strategies. The course content also focuses on verbal and nonverbal communication, effective listening, constructive feedback, and assertiveness in communication. Negotiation strategies are covered through readings and in-class simulations.

**MOL 405A Introduction to Survey Research Methods**

1 hour. Students explore purposes for and types of research. Attention is given to planning survey research, including identifying and stating a research problem.

**MOL 405B Survey Research Methods**

3 hours. Methods for defining, researching, analyzing and evaluating problems are emphasized. Course content includes identifying and measuring objectives, questionnaire construction, and applying descriptive statistical procedures associated with data collection and analysis.

**MOL 406 Principles of Management and Supervision**

3 hours. This course provides an overview of management and leadership theory and examines the roles of first-line managers in fulfilling the mission and goals of an organization. A master simulation exercise places students in a managerial position throughout the course. Students are expected to apply management theory as they make decisions to solve organizational problems during this simulation. Students examine their own management and leadership skills through reflective exercises. The course examines the important role managers play in fulfilling the human resource function in an organization.

**MOL 407 Christian Faith and Thought**

3 hours. The roots and origins of the Christian faith are investigated, with specific focus on how it relates to one's worldview. The course also focuses on the history of Christianity, the influence of Christianity upon society, and how the Christian faith relates to managing people.

**MOL 409 Values and Ethics in the Workplace**

3 hours. Ethical theory and personal values are used to examine case studies from a variety of organizational settings. Accountability in government, human rights, and business are covered in readings and classroom discussions.

**MOL 410 Fiscal and Operational Management**

3 hours. This course examines fiscal information for managerial purposes. The focus is on the relationship between fiscal and operational functions and their interrelationship within an organization. Course content includes control tools and techniques, as well as discussion and application of the manager's role in setting standards and controlling organizational outcomes.

**MOL 485 Saturday Seminars (6)**

3 hours. Contemporary trends and themes of special interest in management or the liberal arts are discussed. Leadership comes from the George Fox University faculty, business and industry, and public leaders. Themes include personal growth and fulfillment, advances in science and technology, conflict resolution in a competitive world, community service by persons and corporations, and Christian responses to current issues.

**MOL 495 Senior Research Project**

3 hours. Throughout the Management and Organizational Leadership program, students plan, implement and report on a survey research project. The project examines an organizational problem in the student's occupation or environment. Results are published and presented at the conclusion of the program.

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**MATHEMATICS****MTH 100 The World of Mathematics**

3 hours. An introduction to various topics of modern mathematics from an elemen

**MTH 240 Statistical Procedures**

3 hours. Statistical procedures for the social sciences. Emphasis on the development of a basic knowledge of the statistical tools available for the analysis of problems and issues in the social sciences. (Identical to PSY 340 and SOC 340.) Prerequisite: High school algebra or equivalent.

**MTH 260 Discrete Mathematics**

3 hours. Offered 2000-01. An introduction to discrete mathematics. Topics covered include sets, functions, math induction, combinatorics, recurrence, graph theory, trees and networks. Prerequisite: MTH 190 Pre-Calculus Mathematics.

**MTH 290 Mathematical Logic**

3 hours. Offered 2001-02. This course is intended to facilitate a smooth transition from lower-level, computation-oriented math courses to upper-level, more theoretical courses. Topics include symbolic logic, methods of proof, set theory, etc. Prerequisite: MTH 201 Calculus I.

**MTH 300 Numerical Methods**

3 hours. Offered 2001-02. 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. Prerequisites: MTH 202 Calculus II, and either CIS 201 Introduction to Computer Science or EGR 200 Introduction to Computer Programming for Engineers. (Identical to CIS 300.)

**MTH 310 Differential Equations**

3 hours. Offered 2001-02. A study of the theory, methods of solution, and applications of ordinary differential equations. Methods include series solutions and Laplace transforms. Prerequisite: MTH 301 Calculus III.

**MTH 320 Linear Algebra**

3 hours. Offered 2000-01. A study of matrices and their properties and application, linear transformations, and vector spaces. Prerequisite: MTH 301 Calculus III.

**MTH 331 Probability**

3 hours. Offered 2001-02. A study of sample spaces, combinatorial methods, discrete and continuous distributions, moment-generating functions, and the central limit theorem. Prerequisite: MTH 301 Calculus III.

**MTH 332 Mathematical Statistics**

3 hours. Offered 2001-02. 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: MTH 331 Probability.

**MTH 340 Elementary Number Theory**

3 hours. Offered 2000-01. An introduction to the basic properties of whole numbers, including such topics as prime numbers,

**MUA 105/305 Applied Piano**

1 or 2 hours. Technical exercises, scales and arpeggios in various rhythms; etudes 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.

**MUA 105/305 Applied Organ**

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

**MUA 105/305 Applied Strings**

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.

**MUA 105/305 Applied Woodwinds**

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.

**MUA 105/305 Applied Brass**

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.

**MUA 105/305 Applied Percussion**

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 concert band and orchestra.

**MUA 105/305 Applied Guitar**

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****MUA 115/315 Festival Chorus**

½ hour. The chorus is composed of members of the University touring choirs. It also is open to all University students, University 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.

**MUA 125/325 Concert Choir**

1 or ½ hour. The Concert Choir is committed to excellent choral singing in a wide variety of styles, including contemporary sacr

**MUA 135C/335C Crosslight**

½ hour. Basic techniques of choral singing are learned. Sacred repertoire reflecting both contemporary and traditional styles is sung for chapel and occasional church and community functions. Membership is by audition.

**MUA 135B/335B Bel Canto Singers**

½ hour. Featuring women's voices, this group sings a varied repertoire and performs in regional churches and on campus. Membership is by audition.

**MUA 135H/335H George Fox University Handbell Ringers**

½ hour. This musical ensemble shares its music with community agencies, churches and University audiences. Open to all by audition. Limited to 12 ringers.

**MUA 145/345 Concert Band**

1 or ½ hour. The Concert Band is a touring ensemble that plays concerts throughout the Northwest. A fall pops concert features music from the classical pops to current movie themes. The spring tour repertoire is played in schools, churches and for chapel. This ensemble serves to train students for careers in instrumental conducting and performing. Admission is by consent of the instructor.

**MUA 145J/345J Jazz Ensemble**

½ hour. An ensemble organized to train instrumentalists in the jazz repertoire. Performances are usually for school events and some off-campus concerts. Members who are music majors must also be enrolled in the Concert Band.

**MUA 155/355 Chehalem Symphony Orchestra**

1 or ½ hour. (Strings 1 hour; winds and percussion ½ hour.) The symphony orchestra performs music by the master composers of the Baroque, Classical, Romantic and Modern eras. Concertos featuring student soloists are often part of the annual repertoire. Community and faculty musicians combine with University students to form this ensemble. Performances include fall and spring concerts, as well as accompaniment of the Festival Chorus. Admission is by consent of the instructor.

**MUA 165/365 Instrumental Ensemble**

½ hour. An ensemble organized to meet the needs of the instrumental

**MUS 131, 132 Sight Singing  
and Ear Training**

1 hour each semester (two class hours a week). A lab experience designed to develop proficiency in singing prepared melodies, melodies at sight, rhythmic patterns, and in taking basic melodic dictation. Music majors should register for this lab as a requir

**MUS 311, 312 Music History**

3 hours each semester. A study of the development of music from antiquity through the 20th century. Comparisons are made to the development of the other arts. Concentrated



**PHL 330 Philosophy of Religion**

**PSC 310 Conflict Resolution**

3 hours. Offered 2001-02. A study of communication principles found useful in managing conflict productively. Focus is given to conflict occurring in institutional and organizational settings between individuals and groups. Attention also is given to conflict in social, national and international settings. (Identical to COM 310.)

**PSC 340 International Relations**

3 hours. Offered 2000-01. Introduction to the principles and study of interstate relations in the contemporary world. Special attention is given to the problem of sovereignty, the United Nations, and international law. (Identical to INS 340.)

**PSC 390 Peace Research**

1-3 hours. Directed research on peace subjects, both current and historical. Students will normally write a major research paper. (Identical to HST 390.)

**PSC 410 Community Mediation**

3 hours. Offered 2001-02. A study of mediation skills and their uses in community disputes, including neighborhood conflicts, public policy issues, and as court-annexed alternatives to litigation. Students also will examine the impact of mediation on democratic political theory, on the theory underlying our adversarial legal system, and on Christian views of conflict in the public arena.

**PSC 475 Field Experience**

2-12 hours. Supervised experiences in varied government agencies. For upper-division students only, by permission.

**PSY 275 Exploratory Field Experience**

2-3 hours. An opportunity to observe professionals in the helping environment.

**PSY 300 Group Dynamics**

3 hours. A study and application of principles and techniques involved in interaction of individuals within various groups. (Identical to SOC 300.) Prerequisite: PSY 150 General Psychology.

**PSY 310 Lifespan Human Development**

3 hours. Offered 2001-02. A study of physical, intellectual, personality, social and moral development from infancy to old age. (Identical to SWK 310.) Prerequisite: PSY 150 General Psychology.

**PSY 311 Human Development: Infancy to Adolescence**

3 hours. A study of physical, intellectual, personality, social and moral development from the prenatal period to adolescence. (Identical to FCS 311, SWK 311.) Prerequisite: PSY 150 General Psychology.

**PSY 312 Human Development: Young Adulthood to Old Age**

3 hours. Offered 2000-01. A study of physical, intellectual, personality, social and moral development from young adulthood to old age. This course continues the discussion begun in PSY 311 Human Development: Infancy to Adolescence. Prerequisite: PSY 150 General Psychology.

**PSY 313 Human Development Lab**

1 hour. Offered 2000-01. Students will gain experience with a variety of methodological approaches used in developmental research by conducting studies on a variety of age groups. Must be taken concurrently with PSY 311 Human Development: Infancy to Adolescence. Prerequisite: PSY 340 Statistical Procedures and PSY 390 Research Methods.

**PSY 320 Introduction to Neuroscience**

3 hours. Offered 2000-01. This course provides an overview of the neuro-psychological 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.

**PSYCHOLOGY**

**PSY 150 General Psychology**

3 hours. An introduction to the scientific study of human behavior. Major topics include the biological bases of behavior, sensation, perception, thinking, learning, memory, emotion, motivation, personality, social interaction, and abnormal behavior. One section of the course will be available for students who know they want to major in psychology. The section for majors will cover the same major topics but will prepare students to engage these topics on a professional level. Prerequisite to all other psychology courses.

**PSY 330 Personality Theories**

3 hours. A survey of the major theorists of personality and their theories. Included are psychoanalytic, dispositional, phenomenological and behavioral theories. An integrative approach will involve synthesis of important elements of theory and Scripture. Prerequisite: PSY 150 General Psychology.

**PSY 340 Statistical Procedures**

3 hours. Applied statistics for the social and behavioral sciences. Emphasis is placed on statistical logic and decision making. (Identical to MTH 240 and SOC 340.) Prerequisites: PSY 150 General Psychology, and high school algebra or equivalent.

**PSY 350 Social Psychology**

3 hours. Offered 2001-02. 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. (Not identical to SOC350.) Prerequisite: PSY 150 General Psychology.

**PSY 360 Learning**

3 hours. Offered 2001-02. A survey of learning theories and the basic research questions being asked in this important field. Special emphasis will be placed on translating exper-

**PSY 450 Systems of Psychology**

3 hours. The history of the various schools of psychology, their origins, distinguishing characteristics, major contributions, theoretical positions and contemporary issues are investigated. Required for psychology majors and minors. Prerequisite: PSY 150 General Psychology.

**PSY 460 Physiological Psychology**

3 hours. Offered 2001-02. This course will introduce students to the fundamental principles of neuroanatomy, psychobiochemistry, and the physiological basis of behavior. A biobehavioral approach to the understanding of behavior will be explored. Prerequisite: PSY 150 General Psychology.

**PSY 475 Field Experience**

2-10 hours. Supervised experiences in helping activities in mental health agencies and institutions. A maximum of three hours may be applied toward a psychology major. For upper-division majors only, by permission. Recommended: PSY 381 Counseling.

**PSY 485 Selected Topics**

1-3 hours. A course dealing with various topics, as announced, that represent current faculty interests and competencies and student interest. Previous offerings have included advanced counseling, biological psychology, psychology of religion, and psychology of gender. Prerequisite: PSY 150 General Psychology.

**PSY 490 Senior Seminar**

1 hour. Integration of Christianity and psychology is emphasized. In addition, students make preparations for careers in psychology. Required for all psychology majors. Prerequisite: Senior standing.

**PSY 495 Special Study/Research**

1-3 hours. Independent study of subjects outside regular offerings and/or supervised research under the direction of faculty. Guiding bibliographies

are provided, and regular reading reports and conferences are scheduled. For upper-division psychology majors only, by permission.

**RELIGION**

**REL 230/430 Sociology of Religion**

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 SOC 230/430.)

**REL 250 Great Moments, Key Persons in Christianity**

2 hours. An introduction to the major events and personalities, Western and non-Western, that have shaped the development of Christianity from the time of Jesus to the present. The thought and contributions of individual men and women will be explored in historical context. Significant doctrines will be examined in relation to persons and events.

**REL 260 History and Doctrine of Friends**

2 hours. This course explores the rich heritage of the Quaker movement in its historical, social and religious settings. The distinguishing beliefs of Friends and contemporary trends also will be studied, with particular interest in how to apply timeless truths in timely ways.

**REL 270 History and Doctrine of \_\_\_\_\_ (Selected Churches)**

2 hours. Offered upon sufficient demand by denominational leaders, who supply the appropriate course descriptions.

**REL 330 Introduction to the World Christian Movement**

3 hours. Offered 2000-01. The biblical basis and history of missions are considered, with a special focus upon the modern missionary movement of the last 200 years. (Identical to INS 330.)

**REL 360 Cross-Cultural Christian Outreach**

3 hours. Offered 2001-02. Cross-cultural communication in Christian ministry, focusing on the concepts of identification, mutuality, the process of cultural change from a biblical perspective, and strategies for cross-cultural outreach.

**REL 380 Christian Beliefs**

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

**REL 401 Christianity in History**

3 hours. Offered 2001-02. 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 HST 401.)

**REL 402 Christianity in History**

3 hours. Offered 2001-02. 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 HST 402.)

**REL 440 World Religions**

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 INS 440.)

**REL 460 Issues in Contemporary Missions**

3 hours. Offered 2001-02. 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.

**REL 470 Christian Classics**

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 considered.

**REL 480 Spiritual Formation**

2 hours. An exploration of how people grow and change spiritually. The study integrates biblical insights, classic Christian spirituality, developmental theory, and contemporary individual and corporate practice in spiritual formation. It will critically explore how spirituality relates to vocation, relationships, and the demands of daily living.

**REL 485 Selected Topics**

2 hours. A seminar on a topic chosen by the professor. Open to upper-division majors and others by permission.

**REL 490 Contemporary Religious Life**

2 hours. The movements, trends, and leaders of contemporary Christianity are studied in their social setting. Lectures and readings are chosen to provide tools and methods for thoughtful and continuing interpretation of religious life.

**REL 495 Special Study**

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

**SOCIOLOGY**

**SOC 150 Principles of Sociology**

3 hours. An introduction to the study of society, including the study of the shared relationships that create social organization and social processes of society. Required for sociology majors and for admission into the social work major.

**SOC 200 Social Issues**

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.

**SOC 230/430 Sociology of Religion**

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 REL 320/430.)

**SOC 250 International Conflict and Peace**

3 hours. Offered 2000-01. An introduction to peace studies. Useful both as a foundation for other peace studies courses and as a single course to fit in with other majors. Includes exploration of the history of warfare and peacemaking, and of nonviolent alternatives to war. (Identical to PSC 250.)

**SOC 260 Social Theory**

3 hours. A critical study of some major social philosophers from Comte to the present. (Identical to PHL 260.) Prerequisite: SOC 150 Principles of Sociology. Prer

**SOC 300 Group Dynamics**

3 hours. A study and application of principles and techniques involved in interaction of individuals within various groups. (Identical to PSY 300.) Prerequisite: SOC 150 Principles of Sociology.

**SOC 310 Cultural Anthropology**

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

**SOC 320 Men and Women****in Society**

3 hours. Offered 2000-01. A study of how societies construct gender similarities and differences. The impact of gender upon individuals and social institutions, as well as the implications of a sociological understanding of gender for the Christian faith will be explored.

**SPN 275/475 Field Experience**

1-10 hours. Supervised experience in a situation demanding extensive use of Spanish.

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**SWK 330 Human Behavior in the Social Environment**

3 hours. Examines human behavior and interpersonal relationships within social systems: families, organizations, communities, voluntary and subcultural groups. Applies theoretical information from biology, sociology, anthropology, psychology and theology to situations encountered by social workers and other helping professionals. Includes examples from culturally, racially and ethnically diverse populations. Prerequisites: PSY 150 General Psychology, SOC 150 Principles of Sociology, SWK 180 Introduction to Social Work, PSY 310 Lifespan Human Development, or permission of instructor. Required for majors.

**SWK 391 Social Work Practice I**

3 hours. A study of generalist social work practice with individuals. Micro-level theory, skills, and interviewing techniques are applied to generalist social work. The course will cover theory and techniques of person-centered counseling which are specifically applicable to work with individuals. A prerequisite for Field Experience/Practicum I (SWK 475). Prerequisites: PSY 150 General Psychology, SOC 150 Principles of Sociology, SWK 180 Introduction to Social Work, and formal admission into the social work program. Required for majors. This class is open to declared social work majors only.

**SWK 392 Social Work Practice II**

3 hours. A study of mezzo-level generalist social work practice with families and groups. Attention is given to a systems framework of generalist social work practice, with a particular focus upon assessment and development of appropriate intervention strategies. A prerequisite for SWK 476 Field Experience/Practicum II. Prerequisites: SWK 391 Social Work Practice I. Required for majors. This class is open to declared social work majors only.

**SWK 393 Social Work Practice III**

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 SWK 477 Field Experience/Practicum III. Prerequisites: SWK 392 Social Work Practice II. Required for majors. This class is open to declared social work majors only.

**SWK 400 Child Welfare Services**

3 hours. Offered 2001-02. Basic principles of child welfare, with emphasis upon the services needed and available for families and children needing various types of support. Focus is on developing a knowledge and understanding of child welfare and supporting services. Prerequisites: SOC 200 Social Issues and SWK 180 Introduction to Social Work.

**SWK 450 Aging in Society**

3 hours. Offered 2001-02. A study of the adult aging process in its diverse social dimensions. An exploration of the aging network and its various services and programs will be a secondary focus of study. (Identical to SOC 450.) Prerequisite: SOC 150 Principles of Sociology or permission of the instructor.

**SWK 461 Social Policy I**

3 hours. The policies of contemporary social programs are considered from a national, state and local perspective. Policy development and analysis are emphasized. Prerequisites: SWK 180 Introduction to Social Work, SOC 200 Social Issues, PSC 210 American Government or PSC 240 State and Local Government, SWK 475 Field Experience/Practicum I. Required for majors.

**SWK 462 Social Policy II**

3 hours. This course provides an in-depth analysis of how human needs and values are translated into social policy on both the national and international levels. Special attention is given to the ways in which values and power interests influence the creation of social policy. Examination of selected policies and programs in the areas



viewing techniques; identification of research and policy issues; work with special populations and injustices; process recordings; research methods in the agency; and ethical conduct/NASW code of ethics. Prerequisite: SWK 391 Social Work Practice I. Required for majors. This class is open to declared social work majors only.

**SWK 476 Field Experience/  
Practicum II**

3 hours (150 practicum hours in the agency). Ideally, SWK 476 and 477 will occur in a full-year practicum during the student's senior year. The second course in the field experience/practicum sequence will build upon knowledge and experience acquired in SWK 475 and emphasize mezzo-practice concepts. Course topics will include work with small groups, families; integrating research and evaluation methods in the field experience/practicum; agency evaluation and analysis; referral processes; work with special populations/injustices; ethical dilemmas; ethical conduct/NASW code of ethics; agency recording process; and development of a student portfolio of practicum projects and skills. Prerequisites: SWK 475 Field Experience/Practicum I, SWK 392 Social Work Practice II, and SOC 340 Statistical Procedures. Required for majors. This class is open to declared social work majors only.

**SWK 477 Field Experience/  
Practicum III**

3 hours (150 practicum hours in the agency). Ideally, SWK 476 and 477 will occur in a full-year practicum during the student's senior year. The third course in the field experience/practicum sequence will provide further depth and integration of theory, classroom learning and experience within the student's field experience/practicum, building on concepts developed in SWK 476 and emphasizing macro-practice concepts. Additional topics will include work with agency boards, communities, governmental systems; implementation of a research project in the agency; community analysis; termination with clients and the agency; addressing social inequities in the student's field experience/practicum; work with special populations and injustices; policy issues; and ethical conduct/NASW code of ethics. Prerequisites: SWK 476 Field Experience/Practicum II, SWK 393 Social Work Practice III, and SOC 390 Research Seminar. Required for majors. This class is open to declared social work majors only.

**SWK 485 Selected Topics**

1-3 hours. A special-interest class that addresses a relevant subject in the field of social work. Previous and projected subjects include, but are not limited to, administration and community planning; cognitive and behavioral theories; crisis and trauma recovery; current issues in social work; medical and mental health services; systemic and ecologic theories; social policy; and treating addictive behaviors. Prerequisites: SOC 200 Social Issues and SWK 180 Introduction to Social Work.

**SWK 490 Senior Seminar**

3 hours. A required course for majors to be taken during the spring semester of the senior year. The course will focus on consolidating substantive knowledge regarding 1) social welfare policies and services, 2) human behavior in the social environment, 3) the structure and function of communities and human service organizations, 4) methods of inducing change across the micro-, mezzo-, and macro-levels, and 5) methods of scientific inquiry necessary to assess human problems and the effectiveness of professional interventions. Focus also will be upon the integration of social theories with faith and learning. Prerequisite: SWK 392 Social Work Practice II. Required for majors.

**SWK 495 Special Study**

1-3 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided, and regular reading reports and conferences are scheduled. For upper-division majors only, by permission.

**THEATRE**WTD -u (ite)2

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**THE 220 Oral Interpretation  
of Literature**

3 hours. Introduction to the aesthetic bases of speech communication through the analysis and performance of various genres of literature. Attention given to performance of biblical literature, literature of diverse cultures, and the art of storytelling.

**THE 240 Understanding Drama**

3 hours. A study of significant plays from the classical period to the present, both as literary works and staged productions, the goal being a deeper understanding and appreciation of drama as a symbolic form. Primary focus is on literary values, with attention also given to the constraints and interpretations embodied in the staging, acting and directing of a play. (Identical to LIT 240.)

**THE 255/455 Technical Theatre**

3 hours. Offered 2001-02. A study of major areas of technical theatre, with emphasis on set design and construction, lighting design, and sound as applicable to educational, professional and church drama.

**THE 275/475 Field Experience**

1-10 hours. Offered summers only.  
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## UNDERGRADUATE COURSES WRITING

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### **WRI 285/485 Special Topics**

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

### **WRI 310 P**

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## **ACADEMIC SESSIONS AND CREDITS**

The academic year 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 sponsors a May Term, a limited summer program for undergraduates. Seminary classes and graduate courses in teacher education, business administration, psychology, counseling, and marriage and family therapy are offered during summer semester. 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 good standards involving satisfactory scholarship. Regular class attendance is expected of each student in all courses. Class work missed because of absence may be made up only in the case of prolonged or confining illness, death of relatives, or similar emergencies. Excuses for a prolonged illness are obtained through the Health and Counseling Center and will be issued only if the student contacted the medical staff during the illness and the illness prevented class attendance for more than three days. Excuses for family emergencies are obtained through the Registrar's Office. Permission for absence from class for participation in co-curricular University activities must be granted by the Academic Affairs Office. Other absence arrangements are between the student and the instructor.

## **CLASSIFICATION OF STUDENTS**

Classification is based upon the student's academic standing in terms of hours and grade points at the beginning of the semester. New students will be classified as regular or provisional students when entrance requirements have been met and official transcripts have been received and evaluated.

### **Full-Time Students**

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.

### **Regular Students**

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

### **Special Students**

This classification includes non-degree students generally enrolled for less than 12 semester hours. Any special student wishing to enter a degree program must fulfill regular admissions requirements.

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 WRI 095 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 should contact the Enrollment Services and Student Life offices well in advance of attendance so that specific attention can be made to assist in providing living arrangements and learning accommodations.

## **AUDITORS**

Subject to instructor approval, any regular or special student may audit courses from which he or she wishes to derive benefit without fulfilling credit requirements. Auditors may enroll on a space-available basis. Enrollment for audit must be established with the Registrar at time of registration. Class attendance standards are to be met. Auditors pay a reduced tuition rate, generally one-half regular tuition. Students' cost may exceed the block-rate tuition if the audit causes them to exceed the 18-hour maximum.

## **REGISTRATION**

All students are expected to register on the days designated on the University calendar and to begin classes on the first day. The Registrar annually publishes a class schedule booklet with specifics for registration. In addition, each student should be aware of the regulations that appear under the title "Course Numbering System" on page 30.

## **ACADEMIC ADVISING**

New freshmen may have received initial academic advisement by an admissions counselor. However, all new freshmen are assigned a freshman advisor as part of the Freshman Seminar Program. This advisor will serve as the academic advisor for the freshman year and will also teach a section of the Freshman Seminar course. 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 teachers and administrators may serve as resource persons in guidance and counseling.

FRESHMEN: All freshmen are expected to register for WRI 110 Freshman Composition, in the first year. In addition, all freshmen are expected to register for GED 101, 102 Literature of the Old and New Testaments, physical education, and other general education courses in the first year.

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.

## **COURSE ADDITIONS**

- After classes begin, a late admission to class must have the approval

**The Dean's List**

Those who achieve and maintain a 3.5 grade point average or above on 12 or more hours of graded work completed by the end of the semester are eligible for the Dean's List.

**Pass/N**



## **Academic Appeals**

Academic actions can be appealed to appropriate University authorities and an Academic Appeals Board. Appeals are taken to be good faith actions that request reexamination of academic decisions. All appeals must be made within limited time frames depending upon the action being appealed. Additional information is available in the Academic Affairs Office.

## **GRADUATION REQUIREMENTS**

A student wishing to receive 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 grade point average of 2.00. The GPA is computed on work taken at George Fox University only;
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–" in upper-division courses;
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); and
8. Pay in full all accounts at the Business Office.

In order to participate in commencement and baccalaureate ceremonies, a student must have completed all degree requirements. Exceptions include a student registered for a post-commencement May session. Pay in full all accounts at the Business Office. A student must have completed all degree requirements. Exceptions include a student registered for a post-commencement May session. Pay in full all accounts at the Business Office.

# ADMISSIONS

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## **BASIS OF UNDERGRADUATE ADMISSION**

The University admits applicants who evidence academic interests and ability, moral character and social concern, and who would most likely profit from the curriculum and Christian philosophy of George Fox University. These qualities are evaluated by consideration of each applicant's academic record, test scores, recommendations, writing sample, and participation in extracurricular activities.

Admission is possible for fall or spring semester.

George Fox University reserves the right of admission or readmission of any student at its discretion.

The University does not discriminate on the basis of age, sex, race, color, national origin, or handicap in its educational programs or activities.

## **ADMISSION PROCEDURES FOR FRESHMEN**

In order to provide a solid foundation for college-level work, it is recommended that the applicant present the equivalent of 16 academic units from an approved high school. The following units are suggested: English, 4; social studies, 2; science, 2; mathematics, 2; foreign language, 2; and health and physical education, 1.

Approximately 90 percent of the freshman class come with an "A" or "B" high school grade average. The Admissions Committee may offer provisional admission to students with low high school grades and low entrance examination scores.

### **Procedures**

1. Write to the Office of Undergraduate Admissions, George Fox University, 414 N. Meridian, Newberg, Oregon 97132, for information and admissions forms.

2. Complete the Application for Admission and return it to the Admissions Office. Include a non-refundable application fee of \$40.  
The priority application date is February 1.
3. Request a transcript of academic credit from the secondary school last attended.
4. Have the two recommendation forms in the application packet completed and sent to the Admissions Office.
5. Submit entrance examination scores.  
The Scholastic Aptitude



### **READMISSION OF FORMER STUDENTS**

To apply for readmission after an absence of one or more semesters, a student should request an Application for Readmission from the Admissions Office. If two or more years have elapsed, he or she must meet any new or revised graduation requirements and may be asked to go through regular admission procedures. By June 1, a \$300 tuition deposit must be submitted by each readmitted student. Until May 1, it is refundable. The spring semester tuition deposit deadline is December 15 and is not refundable after that date.

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

### **PART-TIME STUDENTS**

Individuals who would like to take less than a full-time load (1-11 hours) may apply as a part-time student. Application forms and counseling regarding courses are available in the Registrar's Office. Applicants are required to pay the nonrefundable \$40 application fee, and tuition is based on the current per-credit-hour rate.

### **HIGH SCHOOL NONGRADUATES**

An adult whose high school preparation is incomplete may be admitted on the basis of the General Education Development Test, provided the average standard score is at least 53 with no one score below 48. A high school or two-year college counseling center can supply details.

### **AUDITORS**

Subject to the approval of instructor and the Registrar's Office, it is possible to audit classes on a space-available basis. Auditors pay a reduced tuition fee, generally one-half regular tuition. Students do not complete course requirements, and no college credit is earned.

### **OLDER ADULTS**

Any person 62 years of age or older may enroll in traditional undergraduate courses for credit or audit without a tuition charge. A service fee of \$20 per semester is required.

### **Application Procedures for Early Admission**

1. Contact the Admissions Office for the admission form.
2. Complete the Application for Early Admission and return it to the Registrar's Office with the \$40 application fee and indicate your choice of courses.
3. Only one course of no more than four hours may be taken during any regular semester.

### **Cost and Credit**

- Early-admission students may take a maximum of 12 semester hours of work

4. Have two letters of recommendation completed and sent to the DCE Admissions Office. (See application.)

5. Complete a one- to two-page writing sample, to be evaluated by George Fox University faculty.

6. After acceptance into a DCE program, and at least two weeks prior to the first class session, a tuition deposit of \$150 is required for registration.

**Policies**

Admission into DCE programs is based on the following criteria:

- Minimum of 62 transferable semester hours (93 quarter hours) consisting of 35 general education hours and 27 elective hours from accredited colleges or universities.
- Minimum of five years qualifying work experience documented in a résumé.
- Official transcripts indicating a cumulative grade point average of 2.0 or higher.
- Two letters of recommendation (one personal and one professional) from persons qualified to assess academic or professional competency.
- Writing sample, assessed by George Fox University faculty, that demonstrates competency needed for success in the program.
- Completed application and \$40 non-refundable application fee.

To graduate with a bachelor's degree, students must complete a total of 126 semester hours as follows:

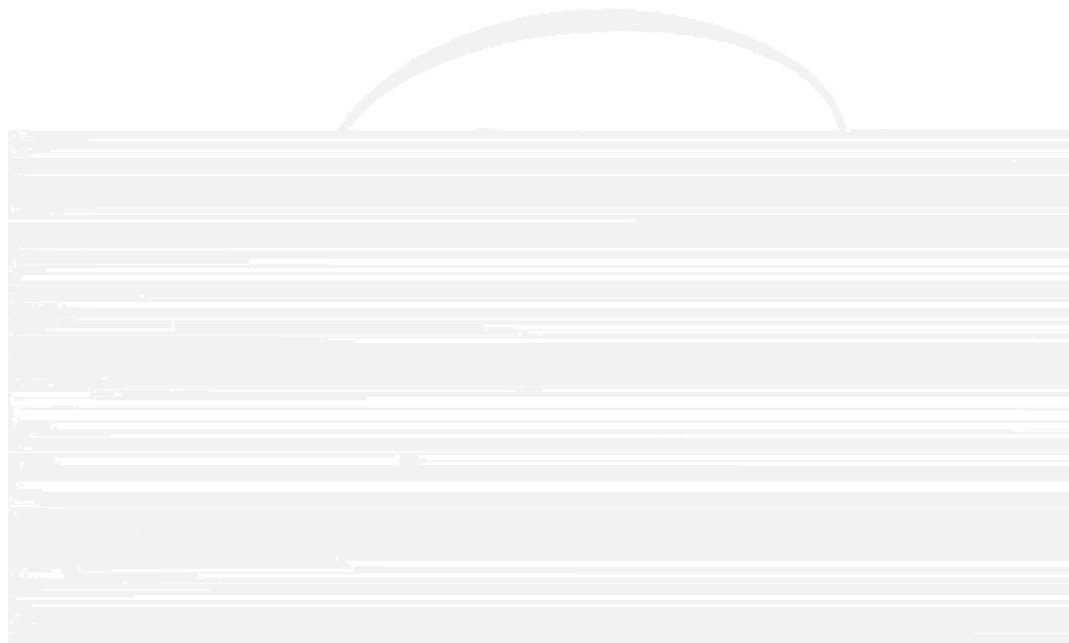
	<i><b>MOL/ MHR</b></i>	<i><b>MBIS</b></i>
Required entry credit	62	62
Approved portfolio credit* <i>or</i> Additional transfer credit	30	28
Department of Continuing Education Program	34	36
<b>Total</b>	<b>126</b>	<b>126</b>

\*If a student enters the program with less than 92 semester hours, academic credit can be earned through the portfolio

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# FINANCES

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## FINANCES

**Registration, Records and Graduation Fees**

Late Registration Fee (applicable if registration is not made prior to the first day of classes each semester) .....	\$25
Change of Registration Fee, per change form submitted after the last day to change registration .....	\$10
Examination Fee, for credit by examination, challenge, or exemption from specific requirement.....	\$40 per course
Graduation Fee.....	\$105
Official Transcripts, per copy (student account must be paid in full).....	\$3
Unofficial Transcript.....	\$1
Rushed Official Transcript.....	\$10
Placement File Setup Fee.....	\$10
Placement File, per set.....	\$7
Additional sets with same order.....	\$3

**Departmental Fees**

Chemistry/Biology Fees.....	\$10-160
Communication/video production courses.....	\$10-50
Off-campus physical education activity, per semester*.....	\$10-370
Private music lessons, per semester (includes one half-hour lesson per week and use of practice room).....	\$215

Other: Several classes require an extra fee to cover special facilities, equipment, transportation, etc., ranging from \$10 to \$100 per class, although some specific courses may be higher. Class fees are printed in the course schedule book.

*\*Students pay a fee of \$10-\$370 to cover costs of facilities, equipment, and transportation for any physical education course conducted off campus, such as swimming, bowling, golf, skiing and canoeing. Personal rackets are required for tennis.*

**Late Payment Fees**

Account Service Charge: Open accounts (other than approved installment plans) are subject to a one-percent-per-month service charge on the unpaid balance.

Returned check fee, per check.....	\$25
Billing service charge (for late payment of fines).....	\$5

**Health/Counseling Fee**

Health/counseling fee, per semester.....	\$50
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This fee provides unlimited free access to the physicians, nurse and counselors in the Health and Counseling Center.

**Major Medical Insurance**

George Fox University requires full-time students to carry medical insurance and provide proof of coverage annually. 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 Enrollment Services Offices or the Health and Counseling Center.

The premium is subject to change each year by the underwriter but

**SCHEDULE OF REQUIRED  
DEPOSITS**

New full-time students are generally required to pay a \$300 tuition deposit by June 1. This deposit will be applied against the first-semester tuition and is non-refund-

*Note: Both The Return of the Title IV and Institutional Financial Aid Fund Policy and the George Fox University Institutional Refund Policy must be considered when determining the financial impact of withdrawing.*

#### ♦ EXPLANATION OF TERMS

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 Direct Stafford Loans, Subsidized Direct Stafford Loans, Perkins Loans, Direct PLUS Loans, Pell Grants and 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 amounts removed from the student account.

The term “Refund” refers to the reversal of amounts charged on 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, page 114.)

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 in calculating refunds is always the enrollment period.

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

The “payment period” is defined as the loan payment period for which the student is eligible. The payment period is used only when calculating the return of funds for academic programs that have two loan disbursement periods within one academic period, such as the Department of Continuing Education MOL and MBIS programs.

A “Post Withdrawal Disbursement” is a financial aid or loan disbursement that the student was eligible for prior to withdrawal, but had not yet received.

#### ♦ RETURN OF TITLE IV AND INSTITUTIONAL FUNDS

- Federal law requires that all Title IV funds disbursed to the school be included in the return calculation, including funds in excess of the student account balance that the institution has forwarded to the student and eligible funds pending disbursement. (See Post Withdrawal Disbursement.)
- The percentage of Title IV and institutional funds returned is based on the number of calendar days that the student was enrolled, including the established withdraw date.

- After 60 percent of the period has transpired, there is no return.

To estimate the amount that will be returned to either federal or institutional financial aid programs:

- (a) Divide the days transpired by the total number of days in the period. (See Withdraw Date and Refund Calculation Period above.)

♦ **POST WITHDRAWAL  
DISBURSEMENT**

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 the Financial Aid Office 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 non-institutional charges:

- Authorization from the borrower is required.
- Authorizations on file remain in effect.
- If the borrower has not signed an authorization, the institution will request the needed authorization either electronically or in writing.
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Students awarded federal and state aid are subject to the laws regulating those programs. For instance, all federal and state assistance requires signed statements from the recipient attesting that the funds will be used only for educational purposes, that the student is not in default on any govern-

The **George Fox University Science Scholarship** is a \$3,500 maximum renewable scholarship for science majors who have a predicted GPA of 3.5 out of high school. Candidates are recommended by the Admissions Office and approved by the science department. The application process includes SAT scores, seven-semester transcript, and a letter of recommendation from a high school science teacher. Continuation requires a 3.4 GPA.

♦ **DRAMA, MUSIC, AND  
FORENSICS SCHOLARSHIPS**

A limited number of awards are made each year to talented students who show promise

**The Richard H. Beebe Memorial**

**Scholarship** provides \$900 for a graduate of Crow High School (Eugene, Oregon). Students from Eugene Friends Church may also be considered. Recipients must have a 2.5 GPA. Financial need is considered.

**The W.B. Brandenburgh Memorial**

**Scholarship**, with a stipend of \$500, is for a student who regularly attends a Newberg-area Friends Church and has a minimum 3.0 GPA.

**The David P. Earhart Memorial**

**Scholarships** range from \$100 to \$600. Students must be members of, or regularly attend, a Friends church (or hold pacifist beliefs similar to the Quakers) and be participating in the Church/University Award Program.

The **Esther M. Klages Scholarships** provide funds to deserving students, with preference to international students who intend





**Department of Religious Studies**

The **Robert Barclay Tuition Scholarship** of \$1,400 is funded by Arthur and Fern Roberts. Applicants must be upper-division Quaker students majoring in religion or philosophy. The student's home church must provide a supporting statement. Financial need and a minimum GPA of 2.5 are required.

The **Russel and Olivia Gainer Christian Ministry Scholarship** of \$950 is awarded to a Christian ministries major, with financial need preferred.

The **Haisch Family Christian Ministry Scholarship** of \$600 is awarded annually to seniors who are members of the Friends Church. Student should be training for local church ministry, anticipating attending seminary preferred. Minimum GPA of 2.5 is required. Financial need is not considered.

The **Ed Kidd Memorial Scholarship**

The **Clarence and Sue Johnson**

**Scholarship** of \$1,450 is awarded to a student who has financial need.

The **Alida Macy Memorial Education**

**Scholarship** of \$1,400 is awarded annually to a student of sophomore standing or above majoring in elementary education with a minimum GPA of 3.0. Financial need is required.

The

The **Muscutt Married Student**

**Scholarship** of \$600 is annually awarded to a sophomore or above married student with a 3.0 or above GPA and financial need.

The **PGE Merit Award** of \$2,500, renewable annually, is awarded to an Oregon

**Department of Religious Studies**  
The Crecelius Family Christian Ministr

# COMPLIANCE WITH FEDERAL LAWS & REGULATIONS

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## COMPLIANCE WITH FEDERAL LAWS AND REGULATIONS

George Fox University does not discriminate in its educational programs or activities, including employment, on the bases of age, sex, handicap/disability, race, color, national or ethnic origin, or other statuses protected by applicable nondiscrimination laws.

The University also is in compliance with the Family Educational Rights and Privacy Act of 1974.

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

Director of Admissions: student consumer information

Vice President for Finance: wage and hour regulations, The Civil Rights Act of 1964 (race, color, or national origin), and age discrimination

Vice President for Student Life: Title IX (nondiscrimination on the basis of sex)

Director of Financial Aid: Title IV (Higher Education Act of 1965 as amended), student consumer information, the Pell Program, Supplementary Educational Opportunity Grants, the Perkins Loan/Direct Loan Program, the Stafford Loan Program, the Parents Loan for Undergraduate Students Program, and the Supplemental Loans for Students Program

Registrar: Rehabilitation Act of 1973, veterans' benefits, Immigration and Naturalization Act, and the Family Educational Rights and Privacy Act.

### Family Educational Rights and Privacy Act

George Fox University accords all the rights 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 athletic 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 fall semester. Otherwise, all photographs and information listed above are considered as "directory information" according to federal law. Non-directory information, notably grade records, are released to third parties only on written request of the student, or otherwise required by law (e.g., subpoena).

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

The Registrar's Office at George Fox University has been designated by the institution to coordinate the inspection and review of procedures for student education records, which include admissions, personal and academic files, and academic, cooperative education, disciplinary records, and :-



## COMPLIANCE WITH FEDERAL LAWS AND REGULATIONS

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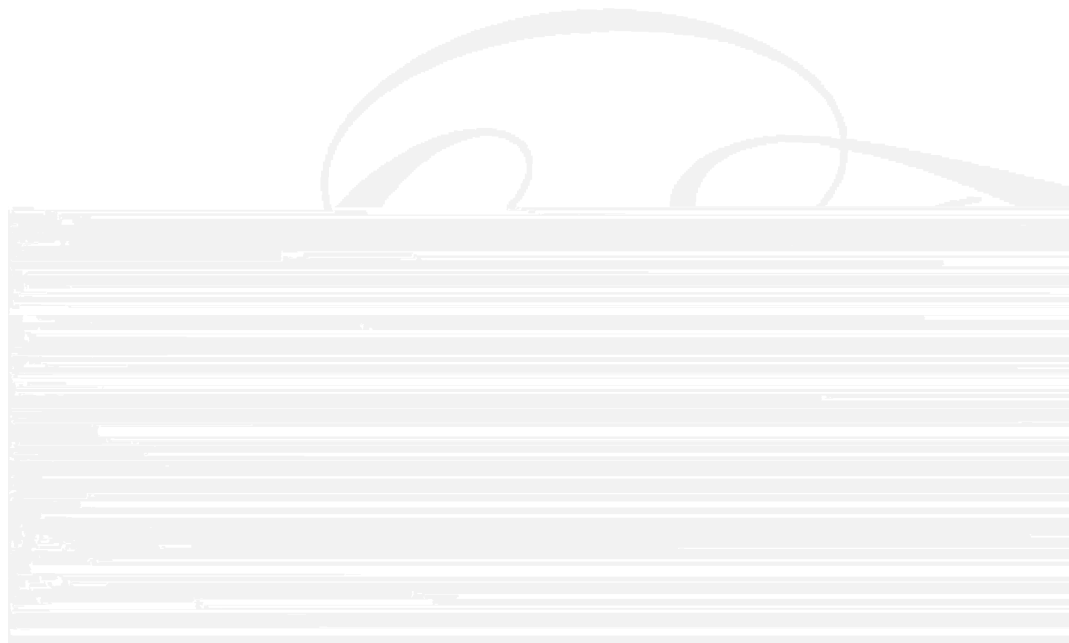
Sexual harassment may take many other forms. The conduct prohibited may be verbal, visual, or physical in nature. It includes unwelcome sexual advances, requests for sexual favors, physical touching, or the granting or withholding of benefits (e.g., pay, promotion, time off, grades) in response to sexual contact. More subtle forms of sexual harassment may include, but are not limited to, innuendoes, jokes, offensive or sexually oriented posters, cartoons, caricatures or comments when these things contribute to an intimidating, hostile, or offensive environment.

### **B. Complaint Procedure for Harassment**

If any employee or student believes he or she has witnessed or been discriminated against or has witnessed or been subjected to sexual or other forms of harassment, the employ

# DIRECTORIES

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**FACULTY, 2000-01**

Cedarville College; M.A., Dallas Theological Seminary; M.A., Psy.D., George Fox University. George Fox University 1994–

**George J. Byrtek**, Assistant Professor of Management. B.S., University of Wisconsin, Stevens Point; M.S., National Louis University; Ph.D., Walden University. George Fox University 1991–

**Clark D. Campbell**, Associate Professor of Psychology, Chairperson of the Department of Psychology. B.A., Wheaton College; M.A., Ph.D., Western Seminary. George Fox University 1991–

**Douglas G. Campbell**, Professor of Art. B.A., Florida State University; M.F.A., Pratt Institute; Ph.D., Ohio University. George Fox University 1990–

**Kevin M. Carr**, Assistant Professor of Education. B.S., University of Oregon; M.S., Ph.D., University of Idaho. George Fox University 1998–

**Paul H. Chamberlain**, Professor of Chemistry, Director of Overseas Studies. B.A., Point Loma College; Ph.D., University of Nevada, Reno. George Fox University 1977–

**R. Carlisle Chambers**, Associate Professor of Chemistry. B.S., Milligan College; Ph.D., Emory University. George Fox University 1994–

**Charles K. Church**, Reference Librarian. B.S., Southern Oregon State College; M.L.S., University of Oregon. George Fox University 1993–

**David M. Church**, Assistant Professor of Music. B.M., University of Colorado; M.S., University of Southern California; M.A., Pacific Lutheran University. George Fox University 2000–

**Charles J. Conniry, Jr.**, Assistant Professor of Pastoral Ministries and Director of the Doctor of Ministry Program. B.A., American Christian School of Religion; M.Div., Bethel Theological Seminary West; Ph.D., Fuller Theological Seminary. George Fox University 1998–

**Andrea P. Cook**, Vice President for Enrollment Services. B.A., Northwest Nazarene College; M.S., Ph.D., University of Oregon. George Fox University 1987–

**Wesley A. Cook**, Associate Professor of Health and Human Performance. B.A., University of Northern Colorado; M.A.T., Lewis and Clark College. George Fox University 1987–

**Caitlin C. Corning**, Assistant Professor of History, Chairperson of the Department of History and Political Science. B.A., Seattle Pacific University; M.A., Ph.D., University of Leeds. George Fox University 1996–

**Jonas A. Cox**, Assistant Professor of Education. B.S., Oregon State University; M.A.T., Lewis & Clark College; Ph.D., University of Iowa. George Fox University 1997–

**Victoria L. Defferding**, Assistant Professor of Spanish. B.A., University of Oregon; M.A., Portland State University. George Fox University 1989–

**Stephen Delamarter**, Associate Professor of Old Testament. A.A., Wenatchee Valley College; B.A., Seattle Pacific University; M.A.R., M.Div., Western Evangelical Seminary; M.A., Ph.D., Claremont Graduate School. George Fox University 1996–

**Carol A. Dell'Oliver**, Assistant Professor of Psychology; Director of Clinical Training, Graduate School of Clinical Psychology. B.A., University of Colorado-Boulder; M.A., Ph.D., University of Kansas-Lawrence. George Fox University 1996–

**Jeffrey M. Duerr**, Assistant Professor of Biology. B.A., B.S., Whitworth College; M.S., Portland State University; Ph.D., University of Hawaii. George Fox University 1999–

**Eugene R. Dykema**, Professor of Business and Economics. B.A., University of Illinois; M.B.A., University of Chicago; Ph.D., University of Notre Dame. George Fox University 1991–

**Patsy A. Engle**, Instructor in Teacher Education. B.A., Indiana Wesleyan University; M.A., Ball State University. George Fox University 1993–

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

**William R. Essig**, Assistant Professor of Business. B.A., Miami University; Dep. C.S., Regent College; M.P.A., Harvard University. George Fox University 1995–

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

**James D. Foster**, Dean of Graduate and Adult Programs, Professor of Psychology. B.S., Seattle Pacific University; M.A., Ph.D., The Ohio State University. George Fox University 1980–

**Stanley M. Frame**, Associate Professor of Management, Director of the Boise Center. B.A., La Verne College; M.A., Chico State University; Ed.D., New Mexico State University. George Fox University 1996–

**Kathleen A. Gathercoal**, Associate 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–

**Andrew D. Gess**, Assistant Professor of Management. B.A., Azusa Pacific University; M.Div., Fuller Theological Seminary; M.Ed., Oregon State University; Ph.D., Regent University. George Fox University 1991-96, 1998–

**Steven C. Grant**, Associate Professor of Health and Human Performance. B.A., Biola University; M.Ed., Linfield College. George Fox University 1982–

**Dennis B. Hagen**, Director of East Asia Exchange Programs. B.A., Whitworth College; M.Mus.Ed., Indiana University; B.D., Western Evangelical Seminary; Ph.D., Indiana University. George Fox University 1964–

**Thomas E. Hancock**, Associate Professor of Education. B.A., Whitworth College; M.Ed., Seattle Pacific University; Ph.D., Arizona State U

**David M. Hansen**, Assistant  
Pr

**Sharon E. Linzey**, Professor of Sociology. B.A., Southern California College; M.A., M.A., Ph.D., Indiana University. George Fox University 1997–

**Carleton H. Lloyd**, Professor of Management. B.A., Columbia Christian College; M.A., Eastern New Mexico University; M.S., Oregon State University; M.S.S.W., Ph.D., University of Texas-Arlington. George Fox University 1994–

**Howard R. Macy**, Professor of Religion and Biblical Studies. B.A., George Fox University; M.A., Earlham School of Religion; Ph.D., Harvard University. George Fox University 1990–

**Margaret L. Macy**, Associate Professor of Education. B.A., George Fox University; M.Ed., Wichita State University, Ph.D., Walden University. George Fox University 1991–

**Anita B. Maher**, Assistant Professor of Marriage and Family Therapy. B.A., Millersville State University; M.A., Azusa Pacific University; M.A., Ph.D. Fuller Theological Seminary. George Fox University 1996–

**Leonardo M. M**

**Asbjorn Osland**, Associate Professor of Business, Director of the Graduate Business Program. B.A., University of Minnesota; M.S.W., University of Washington; M.B.A., Ph.D., Case Western Reserve University. George Fox University 1995–

**Donna K. Phillips**, Assistant Professor of Education. B.S., Eastern Oregon State University; M.S., Western Oregon State University. George Fox University 1998–

**Alex A. Pia**, Assistant Professor of English as a Second Language, International Student Advisor. B.A., California State University, Chico; M.A., Portland State University. George Fox University 1990–

**Donald R. Powers**, Professor of Biology, Chairperson of the Department of Biology and Chemistry. B.S., Biola University; M.S., San Diego State University; Ph.D., University of California, Davis. George Fox University 1989–

**Colleen D. Richmond**, Assistant Professor of Writing and Literature. B.A., Oregon State University; M.A., Portland State University. George Fox University 1992–

**Arthur O. Roberts**, Professor-at-Large. B.A., George Fox University; M.Div., Nazarene Theological Seminary; Ph.D., Boston University. George Fox University 1953–

**Gale H. Roid**, Professor of Psychology. A.B., Harvard University; M.A., University of Oregon; Ph.D., Harvard University. George Fox University 1993–

**Félix Rosales**, Instructor for Special Programs. Diploma in Theology, International Bible Institute, Managua, Nicaragua; GED Certificate, Centralia Community College; M.A., Western Evangelical Seminary. George Fox University 1996–

**Scott M. Rueck**, Instructor of Health and Human Performance. B.S., M.A.T., Oregon State University. George Fox University 1996–

**Mel L. Schroeder**, Associate Professor of Drama, Chairperson of the Department of Fine Arts. B.A., Northwest Nazarene College; M.A., San Jose State University. George Fox University 1978-83; 1987–

**Sherrie K. Schulke**, Assistant Professor of Social Work, Director of Social Work Programs. B.S., George Fox University; M.S.S., M.L.S.P., Bryn Mawr College; M.Div., Eastern Baptist Theological Seminary. George Fox University 1995–

**Judith A. Schwanz**, Associate Professor of Counseling, Director of the Graduate Department of Counseling. B.A., Northwestern University. George Fox University 1995–

**Timotheos Tsohantaris,**



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## **Enrollment Services**

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**Joshua C. Howery**, B.A., Security Field  
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Program Director

**Gregg T. Lamm**, M.Div., Campus  
Pastor/Chaplain

**Bradley A. Lau**, M.A., M.S., Vice  
President for Student Life.

**William J. Mulholland**, B.A., Director of  
Security

**Valorie J. Orton**, B.S.N., Nurse

**Mark A. Pothoff**, M.Ed., Interim Associate  
D

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**Charles E. Mylander**, Brea, California, denominational superintendent

**Jackson H. Newell**, Boise, Idaho, insurance executive

**Barbara D. Palmer**, Newberg, Oregon, bank executive

**C.W. Perry**, Brea, California, minister

**Victor A. Peterson**, Hayden Lake, Idaho, public school administrator

**William F. Sims**, Hayden Lake, Idaho, attorney

**Victor E. Slaughter**, Vancouver, Washington, denominational superintendent

**Kent L. Thornburg**, Portland, Oregon, university professor

**Nancy A. Willhite**, Eugene, Oregon, homemaker

**William B. Wilson**, Longview, Washington, petroleum wholesaler

**Dwight O. Macy**, Culver, Oregon, rancher (retired)

**Jack E. Meadows**, Fayetteville, Arkansas, investments

**Donald McNichols**, Stanwood, Washington, university professor (retired)

**James E. Miller**, Portland, Oregon, investments

**Wayne E. Roberts**, Newberg, Oregon, physician (retired)

**Floyd H. Watson**, Newberg, Oregon, bank executive (retired)

**Norman D. Winters**, Redmond, Oregon, public school administrator (retired)

### Ex Officio

**H. David Brandt**, Newberg, Oregon, President, George Fox University

**Joseph A. Gerick**, Newberg, Oregon, Superintendent, Northwest

### Honorary Trustees

**Ivan L. Adams**, Newberg, Oregon, bank executive (retired)

**Hal L. Adrian**, Portland, Oregon, insurance executive (retired)

**Dorothy E. Barratt**, Newberg, Oregon, Christian education consultant (retired)

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

**Donald D. Lamm**, Nampa, Idaho, minister (retired)

**Walter P. Lee**, Nampa, Idaho, minister (retired)

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