

Goshen College

Undergraduate Course Catalog 2010-11

Catalog

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Academic calendar 2010-11

Fall semester: August 30-December 10

Saturday-Monday, Aug. 28-30 New student days
Monday, Aug. 30 Continuing student check-in
Monday, Aug. 30, 7 p.m. Classes begin
Monday, Sept. 6 (Labor Day) Classes in session
Monday, Sept. 6, 5 p.m. End of drop/add period (courses and grade plans)
Wednesday, Sept. 22 Celebrate Service Day
Friday, Sept. 24 Early Graded Experience
Monday-Wednesday, Oct. 18-20 Midterm break
Monday, Nov. 1, 5 p.m. Last day to withdraw with a "W"
Thursday-Friday, Nov. 4-19 Academic advising period
Thursday-Friday, Nov. 25-26 Thanksgiving break
Monday, Dec. 6 Last day of class
Tuesday, Dec. 7 Reading day (no classes)
Wednesday-Friday, Dec. 8-10 Exams

Spring semester: January 10-April 28

Monday, Jan. 10 New student day
Monday, Jan. 10, 7 p.m. Classes begin
Tuesday, Jan. 18, 5 p.m. End of drop/add period (courses and grade plans)
Monday, Jan. 17 Martin Luther King Jr. Study Day (evening classes meet)
Monday-Friday, Feb. 28 - March 4 Midterm break
Friday, March 18, 5 p.m. Last day to withdraw with a "W"
March 24-April 12 Academic advising period
Thursday, April 21 Last day of class
Friday, April 22 Good Friday holiday
Monday, April 25 Reading day (no classes)
Tuesday-Thursday, April 26-28 Exams
Sunday, May 1 Baccalaureate, Commencement

May term: May 4-25

Wednesday, May 4, 10:30 a.m. May term classes begin
Thursday, May 5, 5 p.m. End of drop/add period (courses and grade plans)
Wednesday, May 11, 18 No class for 3-credit classes
Monday, May 16, 5 p.m. Last day to withdraw with a "W"
Wednesday, May 25 Last day of May term classes

Summer session I: May 31-June 21

Tuesday, May 31, 9 a.m. Summer session I classes begin
Wednesday, June 1, 5 p.m. End of drop/add period
Monday, June 13, 5 p.m. Last day to withdraw with a "W"
Tuesday, June 21 Last day of Summer session I classes

Summer session II: June 23-July 15

Thursday, June 23, 9 a.m. Summer session II classes begin
Friday, June 24, 5 p.m. End of drop/add period
Monday, July 4 Holiday – no class
Tuesday, July 5, 5 p.m. Last day to withdraw with a "W"
Friday, July 15 Last day of Summer session II classes

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Mission of the college

Mission statement

Goshen College is a liberal arts college dedicated to the development of informed, articulate, sensitive, responsible Christians. As a ministry of the Mennonite Church, we seek to integrate Christian values with educational, social and professional life. As a community of faith and learning, we strive to foster personal, intellectual, spiritual and social growth in every person. We view education as a moral activity that produces servant leaders for the church and the world.

Educational mission and core values

At Goshen College we intend to create a community of faith and learning built on five core values: Christ-centeredness, passionate learning, servant leadership, compassionate peacemaking and global citizenship. In our academic program and campus life students will develop the knowledge, skills and values for

A life that is **Christ-centered**, with

- a reflective faith that nurtures spiritual growth in individual and corporate contexts.
- an active faith that informs an individual's experience and choices in all aspects of life.

A life of **passionate learning**, through

- the mastery of a major field of study as the basis for life-long learning, service, relationships and work in a socially and culturally diverse context.
- an extensive foundation of knowledge, skills and dispositions derived from a liberal arts curriculum that informs an appreciation for a critical understanding of human experience and cultural variety.

A life of **servant leadership**, based on

- a leadership ability that empowers self and others.
- a healthy understanding of self and others that is reflected in relationships of interdependence and mutual accountability.

A life of **compassionate peacemaking** with

- a personal integrity that fosters the ability to resolve conflict and to promote justice.
- commitment to diversity in all of its forms both conceptually and in practice.

A life of **global citizenship** with

- an intercultural openness with the ability to function effectively with people of other worldviews.
- a responsible understanding of stewardship for human systems and the environment in a multicultural world.

Liberal arts tradition and Christian context

Goshen College is nationally recognized for its excellent academic program and Christian ideals. As a Christian liberal arts college, Goshen draws on the best from both streams. The basic question that drives all liberal arts inquiry is "What is truth?" Different approaches, such as historical, scientific, aesthetic or linguistic, contribute different perspectives of truth. Because Goshen College is a Christian college, theological and

spiritual approaches to truth are highly valued as well. When students learn multiple ways of knowing and alternative modes of problem-solving, they have a more complete view of the world.

Together, the Goshen College community searches for knowledge and meaning, new and old. It is a liberating search that leads us to delight in the awesome mystery of life and celebrate the unique gifts and passion that God has created in each person. A Christian liberal arts education is education for life vocation, not just preparation for employment.

Historic church relationship, open to all

Goshen College was established in 1894 and is affiliated with Mennonite Church USA, a Christian denomination that grew out of the 16th-century Anabaptist movement in northern Europe. With the Friends (Quakers) and the Church of the Brethren, Mennonites are one of the three historic peace churches in the United States. From the church in which it is rooted, Goshen College has derived a spirit of peacemaking, simplicity, mutual support and biblically based service to those in need.

Around 55 percent of students and 80 percent of faculty members are Mennonite affiliated. Other students come from approximately 30 different Christian denominations and several world religions, and include strong representations from Catholic, Methodist, Baptist and Lutheran traditions. All faculty members are active Christians, and many have lived or worked outside the United States, often in church-related mission or service work. Students are not required to be Christians to attend Goshen, but must be willing to accept and live by the Goshen College commitment to community standards. All who are willing to search for truth with integrity are welcome.

Accreditation

Goshen College is accredited by the Higher Learning Commission and is a member of the North Central Association. [www.ncahigherlearningcommission.org, (312) 263-0456, (800) 621-7440].

The college is authorized by the Indiana Division of Professional Standards Board and accredited by the National Council for Accreditation of Teacher Education for the preparation of elementary and secondary school teachers. The division of nursing is approved by the Indiana State Board of Nurses Registration and Nursing Education and also by the Commission on Collegiate Nursing Education [One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120, (202) 887-6791]. The social work program is accredited by the Council of Social Work Education [1725 Duke Street, Suite 500, Alexandria, DC 22314, (703)683-8080]. Alumnae of Goshen College are admitted to membership in the American Association of University Women. Goshen College is registered with the Regents of the University of the State of New York.

Equal opportunity

Goshen College is in compliance with all federal regulations pertaining to nondiscrimination on the basis of sex, race, color, national or ethnic origin and disability in its recruitment, admission, educational, athletic, financial aid and employment policies and programs. We welcome all students as God's creation regardless of color, gender, religion, ethnicity or nationality, sexual orientation and social or economic class.

Ecological Stewardship

In 2007, President Brenneman signed the President's Climate Initiative which commits Goshen College to work toward climate neutrality. Also in 2007, the Rieth Village complex of buildings at Merry Lea Environmental Learning Center earned a Platinum LEED certification, the highest level possible. In 2008, the campus named its first Sustainability Coordinator. An ecological stewardship committee of students, faculty and administrators is leading the campus in collaborative efforts to encourage sustainable practices and reduce use of fossil fuels.

Student Life

Commitment to community standards

A spirit of hospitality

Goshen College is dedicated to fostering a spirit of hospitality on our campus, including all students, faculty and staff and college guests, as part of maintaining a healthy living and learning community. We welcome all students as God's creation regardless of color, gender, religion, ethnicity or nationality, sexual orientation and social or economic class. In order for a diverse community to thrive, we must recognize our differences and seek understanding and integrity in our relationships. Students and faculty at Goshen College are expected to support an environment of mutual respect and accountability, to care for the personal dignity of others and to have integrity in their conduct and communication.

The spirit of respect and hospitality at Goshen College reflects our character as a Mennonite-Anabaptist liberal arts community of scholarship, teaching, learning and service. We believe that the expression of hospitality is best understood in the life and character of Jesus Christ, who welcomed the Gentile and the Jew, women and men, the poor and the wealthy, the slave and the free, the sick and the healthy. The Mennonite Church promotes a community founded on love and justice in which all persons possess inherent dignity as children of God. Our search for truth and our understanding of complex modern challenges is informed and transformed by the life and teachings of Jesus and the tradition of Anabaptist Christians to be accountable to each other in the context of the church.

Expectations: Individual Commitments within Community Life

Invitation to Christian community

Goshen College is committed to encouraging students in intellectual, social, moral and spiritual growth. Students are invited to engage in a dynamic and life-giving community here and to mature as individuals through respectful relationships in the classroom, the local community, in the broader Christian church and among other cultures. All are expected to demonstrate sensitivity and concern for others' convictions, perspectives and struggles. Within the context of a Christ-centered community, we seek to become

- Christ-centered
- passionate learners,
- global citizens,
- servant leaders and
- compassionate peacemakers.

Expectations

Members of the Goshen College community are expected to demonstrate individual responsibility in showing consideration for the beliefs and feelings of others; abiding by federal, state and local laws; and demonstrating exemplary conduct. When a student's behavior has direct implications for others and/or the well-being of the campus community, there is cause for community involvement, regardless of where the situation occurs (e.g. home or abroad.)

- **Academic honesty**

As an academic community that expects integrity, we seek for truth and knowledge by requiring intellectual and personal honesty in learning, teaching, research and service. As an academic community of integrity, we uphold personal accountability and take

action against wrongdoing. Examples of academic dishonesty include, but are not all inclusive of, the following: plagiarism, cheating on assignments or exams, falsification of data, sabotaging the work of another, and aiding in academic dishonesty of another. The Academic Dean's Office holds students accountable for their academic work.

- **Alcohol and illegal drug use**

Goshen College is an alcohol and drug free campus. The use of alcohol is illegal for minors, and alcohol and illegal drugs also may create dependencies, invite an unhealthy escapism, waste money, abuse health, and take lives. Abuse of alcohol and illegal drugs can also lead to offensive behavior impacting others. Alcoholic beverages and illegal drugs are prohibited from the campus and all college-related functions. Students will be held responsible for any alcohol, drugs or drug paraphernalia found in their presence.

- **Firearms-fireworks**

The possession or use of firearms, including pellet, bb or air guns is prohibited on campus. Fireworks are also a safety concern and are not permitted.

- **Fire and safety equipment**

Tampering with any fire and safety equipment on campus is unacceptable. It is also both a federal and a state offense.

- **Fraud and theft**

Students are expected to respect the identity and property of others. Examples of fraud or theft include, but are not all inclusive of, the following: dishonesty on timecards, theft of or other misuse of personal or college property, and identity theft.

- **Racism**

Racism is a set of attitudes or beliefs that hold particular racial or ethnic groups superior to others, often resulting in justification of discriminatory treatment or other racist acts. Racism denies the humanity of others and denies the truth that all human beings are made in the image and likeness of God.

Goshen College creates a social and academic environment where students develop awareness of issues of race, sensitivity to minority populations and intercultural understanding. The campus reflects God's world: multicultural, multiracial and multiethnic. We believe that racist attitudes and actions do not exemplify the love of Christ, and violate the inclusive intention of the mission of Goshen College.

As an institution of the Mennonite Church, Goshen College believes that racism is contrary to Christian theology and is inconsistent with the life and teachings of Christ. Therefore, we will resist the pervasive racism of our society by identifying and confronting its evidence.

- **Sexuality**

We believe that sexuality is an integral part of our personalities, reflecting who we are as individuals. In accordance with the Mennonite Church Confession of Faith, we believe the clear intent of New Testament Scripture is to place sexual intercourse within the covenant of marriage between a woman and a man. To care for another person includes honoring and respecting that person as a

sexual being. Sexuality cannot be separated from the other dimensions of our lives.

Sexual misconduct includes, but is not limited to discrimination, coercion, exploitation and abuse. These destructive behaviors are detrimental to both relationships and to individual self-esteem; they also violate the caring nature of our community. Goshen College is firmly opposed to sexual discrimination, sexual harassment, sexual exploitation and sexual abuse. We believe the clear intent of New Testament Scripture is to place sexual intercourse within the covenant of marriage.

The goal of accountability in these matters, as in all others, will be for well-being, reconciliation, correction, forgiveness and redemption. Our counseling and health-service personnel are available to students wishing to discuss issues regarding sexuality or sexual behavior. These conversations will be held in strict confidence.

- **Tobacco use**

The use of tobacco imposes a serious and unnecessary burden upon the health of the user and community. It also constitutes a fire hazard in some cases. Use of tobacco in any form is prohibited on campus or at any off-campus official college activity and strongly discouraged elsewhere.

- **Violence or threats of violence**

An act or threat of violence against another individual, whether verbal or physical, is unacceptable.

- **Vandalism**

Any vandalism on campus will be considered offensive behavior. Responsibility for restitution will be expected.

Serious intent

While it is difficult to determine a framework of community standards that completely matches the ideals of each individual, clear expression of commonly held expectations is vital to productive, positive life and work together in a diverse campus setting. Every Goshen College student is expected to show serious intent to live according to these standards.

Response process for violation of Standards

The response process is a positive, restorative means of assisting individuals in achieving their goals by developing a greater sense of responsibility and maturity. In short, the goals are personal growth, resolution of the problems and reconciliation where alienation has occurred. If an individual does not change behavior, then separation from the community may result. The process is designed to assist individuals in monitoring their own behaviors, rather than relying on external rules and regulations.

For more information, visit the student life department Web site at www.goshen.edu/studentlife.

Housing

The residence halls are an integral part of campus life and contribute in many ways to the education students receive. Students live and work in groups in residence halls and get to know people of various backgrounds. All full time students enrolled at GC must live in campus housing unless they meet any of these requirements:

- Have 112 or more credit hours posted on their transcript
- Turn 23 years of age during a given semester

- Live with parents or an immediate family member

New students' living arrangements are completed during the admission process. Near the end of spring semester, continuing students select residence options from the following list for the next year. See the residence life website for an explanation of the selection process.

- *Residence halls*

All full-time single students younger than 25 are welcome to live in one of three traditional residence halls. Kratz, Miller and Yoder Halls each house both men and women on separate floors. Additional housing options are available for students who have graduated from high school at least 2 years prior to the first day of classes.

- *Small group housing*

Students who graduated from high school at least two years prior to the first day of classes can live in small group housing. This program offers an opportunity to deepen friendships in a largely self-governing environment. Small groups are responsible for cleaning their own facilities. Students apply as a group during the spring semester for space the following year.

- *Junior/senior floors*

Kulp Hall provides housing for juniors and seniors. This facility is designed to offer increased independence with the convenience of on-campus locations. Eligible students graduated from high school at least two years prior to the first day of classes. Students interested in these accommodations will make their selections in accordance with the residence life lottery system for room selection. See residential hall description of selection process in section entitled Room Selection.

- *Coffman Suites*

Students who graduated from high school two years prior to the first day of classes are eligible to live in the suites. Students live in self selected groups and choose the suite through the residence life room selection process. Students are required to meet the capacity of the suite. The contact person will report to the Kulp/Coffman RD. There are 6 suites:

- *Student Apartments*

Apartments are available for students who graduated from high school at least two years prior to the first day of classes. Students must be enrolled a minimum of 9 credit hours. Each apartment is configured with a kitchen, living area, 1-2 baths and 2-4 bedrooms. The fourth floor features a loft area for additional lounge space. Apartments offer increased independence and flexibility within the proximity of campus. Students live in self selected groups and select the apartment through the residence life room selection process.

Campus ministries

Goshen College encourages growth in faith through worship, Christian community and service. The Campus Ministries office offers both support for students' faith journeys and challenges to new discoveries in spiritual life. While Goshen is a Christian college rooted in the Mennonite Church USA, we welcome seekers and people of all faiths to attend campus spiritual life activities.

Worship opportunities include chapel services every week, a variety of worship groups that meet throughout the week, and Sunday morning involvement in local congregations. Worship groups meeting during the week include Voices-n-Harmony Gospel Choir, Taizé worship and student-led contemporary worship. Christian community sustains students through friendships and in small groups organized by campus ministries that meet for prayer, Bible study, accountability and sharing. Residence hall floors also plan spiritual life programming.

Interdisciplinary summer internships are available to sophomore and junior students through the Camping, Ministry and Service Inquiry Programs, under the direction of Campus Ministries.

Service projects of many kinds allow students to reach beyond themselves and the campus to show concern for needs of the world. Types of service include the Big Brother/Big Sister program, tutoring, Habitat for Humanity, working with the elderly, housing rehab and collecting supplies to be sent for world relief. During breaks, groups of students travel to service locations. Celebrate Service Day, held annually in September, encourages service in the local community.

Facilities that support spiritual development include:

- **Labyrinth** – an outdoor space for contemplative prayer, located between East Hall and the Music Center.
- **The Quiet Place**– rooms for individual reflection and small group meetings in the basement of Coffman Hall.
- **Witmer Woods and College Cabin**– an 18-acre arboretum of plants native to Indiana located across Main street from the campus. The College Cabin, adjacent to Witmer Woods, is available to students for meetings and recreational activities. A Meditation Garden is located near the College Cabin along the Elkhart River. It is a place for quiet reflection and contemplation.
- **Brunk Cabin** – a retreat facility in southern Michigan which can house student groups accompanied by a resident assistant.
- **Merry Lea**–a 1,189-acre nature preserve located 30 miles southeast of the campus. Picnic areas and eight miles of hiking trails through forests, wetlands and meadows. Geodesic dome and cottages also available for modest rental fees.

Convocations and chapels

Convocations and chapel services gather the campus community to focus on themes that connect with our personal lives and also to the world at and beyond Goshen College. Chapel services foster Christian worship and faith formation. They may include guest speakers, faculty faith stories, hymn sings, or student presentations. Convocations are educational events that promote the mission and core values of Goshen College. They may include faculty speakers, guest lecturers, drama or music performances, or student presentations by Study-Service Term units or campus clubs.

Chapel and convocation services are both held in the church-chapel, which is also the worship space for College Mennonite Church. Attendance requirements for convocation and chapel are publicized at the beginning of each semester. Students can monitor their attendance record online.

More Student Life programs and services

Academic Resource and Writing Center

The Academic Resource & Writing Center promotes independent, life-long learning for all students of Goshen College. The ARWC assists students with documented disabilities by helping them advocate for themselves and by helping coordinate reasonable academic

accommodations with teaching faculty. The ARWC trains peer writing mentors and tutors who are available to help all GC students grow as writers and scholars. ARWC staff also administers the placement and competency tests. ARWC offices are located in the first floor of Good Library.

Alerts system

The Student Life office coordinates an alerts system to identify and provide timely services to students who are experiencing problems that impact their academic performance.

Athletics

Goshen College holds memberships in the National Association of Intercollegiate Athletics and the Mid-Central College Conference. Goshen men compete in baseball, basketball, cross country, golf, soccer, tennis and track and field. Women compete in basketball, cross country, soccer, softball, tennis, track and field and volleyball.

Opportunities for recreational activity are available to all students through the Roman Gingerich Recreation-Fitness Center, the intramural program or outdoor facilities. Over half the student body participates in the intramural program, which schedules one-night tournaments, as well as longer sports seasons of four to six weeks. The Gingerich Center is available for a wide range of walk-in activities. The recreation-fitness staff and student leaders organize these events.

Career guidance and employment: Career Services

The Career Services office teaches students the skills they need to become employed during college and throughout their lifetime. They help students figure out career direction, confirm a choice of major, and help students connect with employers by presenting themselves well on paper and in person.

Services include career counseling, résumé and cover letter preparation, practice interviews, job search skills, job and internship listings, and alumni mentors. Students who desire on-campus employment should contact this office. An extensive online job bank for both on- and off-campus jobs is available from the career services Web page. The office is located in the Administration Building on the first floor (Ad 14), within the Student Life offices.

Wellness and Health Center, Counseling

Located in the Roman Gingerich Recreation-Fitness Center, the Wellness and Health Center is a primary health care facility staffed by a Nurse Practitioner and Registered Nurse. They provide both preventive and treatment services to all qualified students. All students are required to carry approved hospital and medical insurance.

The counseling office, located in the Wellness and Health Center, provides professional, short-term, on-campus counseling services to students on a free and confidential basis. Services support students' personal, social and spiritual health, while increasing student's ability to succeed academically. The counseling office provides individual, couple and group mental health counseling, wellness education, crisis intervention and referral to community providers.

Privacy rights

Student Life staff members honor the national FERPA law, which protects individual student information. See the Academic policies section for more details.

Commuter student program

A commuter student lounge with study rooms, lockers and a kitchenette is available at the south end of the Union building. The Nontraditional/Commuter Student Association holds regular meetings to discuss special interests and concerns of commuting students.

Orientation and first-year colloquium

Orientation activities are offered for all new students. Fall orientation includes special activities for international students, multicultural students, transfer students, first-year students and parents. An abbreviated orientation is also offered to new students in spring semester.

The fall semester colloquium program helps new first-year students adjust to college life academically, socially and spiritually. In this program, ongoing orientation and advising activities are attached to a regular college class. Fall orientation includes several meetings with the colloquium professor and classmates, sessions for parents, placement testing, a worship service and other activities. During the first half of the fall semester, colloquium sessions continue to address college adjustment topics, including how to choose a major. Students do not officially declare a major until near the end of the first semester, or later, whereupon they are assigned an adviser from their major department. Colloquium professors serve as faculty advisers for students in their class during the first semester.

Multicultural Affairs Office

The mission of the Multicultural Affairs Office is to foster intercultural understanding at Goshen College. Through diversity training, curriculum development, recruiting and retention programs, the office promotes an anti-racist campus community. Mosaic groups coordinated by the MAO office work at implementing goals of the campus diversity plan. Special events such as the Martin Luther King Jr. Study Day and the celebration of heritage months are designed to increase awareness of the historical and cultural background of underrepresented ethnic populations. Faculty advisers provide academic, social and personal support for multicultural students on campus. Black Student Union, Latino Student Union and International Students Club encourage underrepresented students to negotiate the college experience, become involved in campus activities and develop leadership skills.

Student activities

The director of student activities oversees all planning of social and recreation events on campus and advises student organizations with the help of faculty sponsors. The Campus Activities Council (CAC) sponsors a variety of events that include the Kick-Off talent competition each semester, Hour Afters, First Fridays in downtown Goshen, Second Friday movies, and late night activities in the Connector.

Student government and clubs

The student body is represented by the Student Senate. A four-member cabinet is elected each spring to lead the next year's Senate of campus group representatives and residence hall representatives. Student Senate appoints members to campus committees where students are actually involved in making decisions side by side with faculty and administrators. The Senate also manages all club funds for various student clubs and organizations.

In most cases membership is open to any interested student. New clubs or organizations may be formed with the approval of Student Senate and the student activities office. Students who wish to start a new club or organization should discuss their purposes and goals with the coordinator of student activities. Following is a partial listing of groups that meet currently:

- Advocates
- AMISH (Association of Midwesterners for Ice and Street Hockey)
- ASL Club
- Black Student Union
- Business Club
- Campus Activities Council
- Campus Ministries Team

- Catholic Student Association
- Commuter/ Nontraditional Student Club
- Eco-Pax
- Film Club
- GC Nursing Students Association
- GC Players
- Goshen Student Women's Association (GSWA)
- International Student Club
- Latino Student Union
- Midweek F.a.i.t.h.
- Pax
- Psychology Club
- Pre-Medical Club
- Social Work Action Association
- Society for Medieval & Fantasy Enactments
- Songwriter's Collective
- Student Art
- Student Senate
- Ultimate Frisbee
- Voices-n-Harmony Gospel Choir

Withdrawal procedures

Student Life staff works closely with residential students who must withdraw from college for medical or other reasons. See the Academic policies section of the catalog for detailed information.

Campus opportunities and services

Arts opportunities

Art galleries

Two art galleries on campus contain rotating exhibits. The Hershberger Art gallery located in the Music Center exhibits works by guest artists, art faculty and art students. A second gallery located in the basement of Good Library features historical and cultural exhibits.

Performing arts series

The annual Performing Arts Series brings worldclass performers to the campus Music Center. Recent artists include Bobby McFerrin, Sweet Honey in the Rock, Chanticleer, Nickel Creek, Ricky Skaggs, Julliard String Quartet, Bela Fleck, and Canadian Brass.

Music activities

Students interested in music are invited to audition for music department ensembles, including Chamber Choir, Chorale, Orchestra, Wind Ensemble and Lavender Jazz. All members of Chorale and Chamber Choir are also part of the Men's Chorus and Women's World Music Choir. The Voices-n-Harmony Gospel Choir is open to all without audition. The choirs perform several on-campus concerts each year, and one choir tours each year. The orchestra and wind ensemble perform a repertoire of classic and contemporary symphonic and chamber music at on-campus concerts. The annual Festival of Carols in early December is broadcast on several public television stations. A fully-staged opera, operetta, or musical is produced in alternate years. In addition to these groups, a variety of student-formed groups participate in coffeeshouses, talent shows and worship teams.

Theater activities

Any student may audition for the two fully staged theater productions each year or any of the numerous student-directed one-acts. In alternate years, a musical theater production is prepared and performed during May term. Students are welcome to volunteer as costume, light and set construction assistants for any of the productions. Advanced students may design or direct shows, including selected one-acts. Goshen theater students participate annually in Region III of the Kennedy Center American College Theater Festival.

Bookstore

The Goshen College campus bookstore is operated by Follett and is open year-round. Textbooks for all course can be purchased online through eFollett or in person at the campus store. Used books are made available whenever possible. At the end of each term, the bookstore also offers convenient buyback services at market rates. Follett contracts with apparel companies that practice fair hiring processes. See <http://www.goshen.edu/bookstore/> for more information.

Broadcasting and publications

Radio and television

WGCS, or 91.1 The Globe, is the college radio station. Students serve as station manager and staff members. The station features American roots music, public affairs and religious programs, news and sports. On the air 24 hours a day, The Globe offers students many opportunities for broadcast experience. Students working with GC-TV produce a weekly video magazine called *The Correspondent* distributed via the campus cable system. Both The Globe and GC-TV use all digital equipment.

Newspaper and yearbook

Students edit two major publications on campus. *The Record*, a weekly newspaper, includes news, features, perspectives and photographic coverage of campus events and issues and provides a forum for student, faculty and staff opinion. The *Maple Leaf* annual yearbook gives an overview of campus life. Both staffs, advised by communication faculty members, use the college's communication center, a facility equipped with professional-grade workstations.

Pinch Penny Press

Sponsored by the English department, Pinch Penny Press publishes small volumes of creative writing by students and faculty members. *Broadside* publishes occasional short pieces of creative writing in signed, limited editions. Editorial committees of students and members of the English department faculty approve manuscripts for publication.

Campus Center for Young Children (CCYC)

Established in 1998, the Campus Center for Young Children offers quality childcare services for children of students, faculty, staff and community members. CCYC is housed in the church-chapel building and shares space with College Mennonite Church.

Food Services

Food services catered by AVI Fresh are available in Westlawn dining hall and at the Leafraker snack shop in the Union building. All students living on campus are required to purchase a meal plan. A variety of options are available and are detailed on web pages under the Campus Life heading. Java Junction is a popular student-operated coffee bar located in the Connector between Kratz, Miller and Yoder residence halls.

Information Technology Services (ITS)

ITS provides the high quality technology environment required by a modern college curriculum – and one that is continuously improving. For example, GC is now a member of Indiana's iLight2 statewide fiber optic network, giving students a full 1 Gb of Internet2 bandwidth for research and collaboration from the classroom, dorm room or lab. Students have access to modern computer labs across campus with a student/computer ratio of 7.6 to 1. Both Macintosh and PC computers are available. Students who own their own computers can easily connect them to the campus network because all residence halls are networked, and all academic buildings and most public areas have wireless coverage. All classrooms have Internet access--most with multimedia and computer projection capabilities. Students have access to a full complement of network services, all accessible via a single, personal user ID and password. Student email and calendars synch to mobile devices like iPhones and iPods. Students also have access to 1 GB (more upon request) of personal network storage accessible from any computer on campus. The ITS Help Desk provides students on and off campus with tech support. Schertz Computing Center is open 24 hours, seven days a week. ITS also provides all the help and documentation students need to configure their computers for home access or residence hall use. For more information about technology at GC, see the ITS Web page at www.goshen.edu/its/.

Lecture series

- **Frank and Betty Jo Yoder Public Affairs Lecture Series** brings nationally known speakers to campus to address a variety of current issues.
- **Eric Yake Kenagy Visiting Artist Program** annually brings a distinguished visual artist to campus for lectures, workshops and interaction with students.
- **Martin Luther King Jr. All-Campus Study Day** annually brings to campus outstanding civil-rights leaders who share King's vision for peace and justice.

- **Science and Religion Conference** brings an outstanding scholar to campus each spring for public presentations and dialogue.
- **C. Henry Smith Peace Lecture** is given annually by a faculty member of Goshen College or Bluffton University.
- **Umble Master Class** series brings an outstanding educator or practitioner in theater or communication to campus each year for lectures and workshops.
- **S.A. Yoder Memorial Lecture** annually brings a distinguished poet, novelist, essayist or humorist to campus.

Library

As a research and information center, the Harold and Wilma Good Library connects the campus to ideas and information in a variety of formats. In addition to over 130,000 print sources, the library maintains a video/DVD collection and serves as the gateway to extensive online resources, including scholarly databases, digital journals and electronic books. Collection strengths include peace studies, curriculum materials, and the J. D. Hartzler Music Collection of early American hymnody. Librarians are available for one-on-one assistance throughout much of the day and evening and also offer group instruction. A Web catalog indexes the collections of the Good Library, the Mennonite Historical Library, and 25 other Indiana college libraries. Interlibrary loans provide access to print materials in most North American libraries. Library facilities include a computer lab/classroom, vending and lounge areas, plenty of study space, a reservable meeting room, listening/viewing stations, offices of the Academic Support Center, and a gallery described above.

Mennonite Historical Library

The Mennonite Historical Library, housed on the third floor of the Good Library, contains more than 65,000 volumes, an unrivaled collection of published works by and about Anabaptists, Mennonites and related groups (Amish, Hutterites, etc). Resources also include substantial source materials on the Protestant Reformation, local and family history and Pennsylvania Dutch culture.

Mail services and lost & found

All full and part-time students receive an assigned key or combination to a campus mailbox, located in the Union building. U.S. Postal Service mail is delivered daily, in addition to campus mail, a free service to the campus community. Package services, stamps, and the campus lost and found department are located in the printing and mailing services office in the basement of Coffman Hall.

Motor vehicles and bicycles

Students must register all motor vehicles to be used on campus at the beginning of each semester during registration check in or anytime at the physical plant office. Vehicles must be covered by liability and property damage insurance. Auto registration is available both online and at the physical plant office. Tickets are issued for parking, driving or registration violations. Goshen city ordinance requires that all bicycles used on campus must be registered, which can be done at the physical plant. Indoor winter bicycle storage is available on campus.

Parents program

The office of alumni, parent and church relations sponsors a parents program which provides avenues for parents to learn about their student's education and to communicate with administrators and faculty. Programs and services include a Parent Council, comprised of approximately 35 households, Family Weekend (usually the second Saturday in November) and a web site especially for parents at www.goshen.edu/parents/.

Admission

First year students

Admission counselors work individually with each applicant to ensure sound educational planning. High school courses, grades, test scores, high-school rank, references and personal essay, are all indicators of an individual's ability to work successfully in college programs; they are important factors in the admission decision.

High school preparation

Graduation from an accredited high school is required. High school college-prep programs are the best way to prepare for Goshen College. This preparation usually includes the following areas of study and units: English – 4, science – 2-3; foreign language – 2-4; social science and history – 2-3; mathematics – 2-4. Applicants planning to enter the pre-nursing program need to have one unit of high-school chemistry with a grade of "C" or higher, or its college equivalent.

Students admitted with a Critical Reading score lower than 430 are required to enroll in Engl 105 Introduction to College Writing. Applicants who have not completed high school are considered for admission if they have achieved an average score of 500 or above on each of the subscores of the General Educational Development (GED) tests administered after 2002.

Full admission for first-year students will be granted to students achieving a 2.6 or higher grade point average (on a 4.0 scale) with a composite ACT of 18 or higher or a combined SAT I of 860 or higher (Critical Reading and Math), along with two references and an essay.

Home-schooled students

Goshen College welcomes home-schooled students and recognizes the valuable contribution they bring to the diversity of the student body. Home-schooled students need to show that they have successfully completed a secondary school education in a home school setting and met state law requirements for secondary education. Applicants must submit high school equivalent transcripts with grades or evaluations. If these are not available, curricula for grades 9 through 12 may be provided. Official SAT I or ACT scores, a personal essay, and two letters of reference are also required for admission. Letters of reference may be from a pastor, employer or close family friend, but not from a relative.

SAT I or ACT test scores

All United States and Canadian applicants who want to play intercollegiate sports are asked to take the Scholastic Aptitude Test (SAT I) or the American College Test (ACT) on a national testing date. SAT I and ACT tests are given at testing centers several times each year around the world and should be taken in the junior year and/or as early as possible in the senior year. SAT I and ACT scores are not required of students age 24 or older.

Students who do not meet full admission standards

Students not meeting full admission standards may be asked by the admission office for additional information or a personal interview before an admission decision is made. Applicants who are denied admission may appeal the decision to the admission committee.

Learning disabilities

After being admitted, students with diagnosed learning disabilities, who are otherwise qualified for admission to Goshen College, must provide documentation of their specific

learning differences to the director of the Academic Support Center in order to receive reasonable accommodation.

Application procedures and fee

For admission, first-year applicants must provide a completed application for admission, \$25 application fee, high school transcript, SAT I or ACT scores, one personal reference, one guidance counselor reference, and a personal essay. Home-schooled students submit two personal references instead of a guidance counselor reference (see above). All students, both full time and part time, must provide this information if they are seeking a degree.

Applications will be reviewed on a continuous basis as they are completed. Admitted students must submit the \$200 enrollment deposit in order to establish their priority for campus housing placement and to be eligible to register for classes. The \$200 enrollment deposit is fully refundable by written request until May 1 for fall semester entry and Dec. 1 for spring semester entry.

Transfer students

Requirements for admission

Transfer student applicants must complete the application for admission, marking the transfer student option on the application. They must also submit a \$25 application fee, high school transcript (if fewer than 24 semester college credits have been earned), all college transcript(s) (including official documentation for Advanced Placement credit), personal essay and a transfer reference form, which is completed by the dean of students at the college most recently attended. Applicants are expected to be in good standing at the college or university they last attended and to have maintained a 2.60 GPA (out of 4.00) or higher.

Transfer of credits

Students who transfer from nationally or regionally accredited colleges or universities can receive credit on work in which they received a "C" (2.00) grade or better. Up to 12 hours of credit will be accepted from technical schools. Transfer credit is recorded with the same titles and credit hours as at the previous school. Departmental advisers evaluate courses that are to be considered for meeting requirements for majors, minors and professional programs. All transfer students are expected to meet Goshen College graduation requirements before a bachelor's degree is granted. Course requirements for general education are determined by the registrar.

Hesston College transfers

Goshen College assures the acceptance of the Hesston College associate of arts degree and the associate of science degree and assures the student of junior standing. Goshen College accepts the associate of arts and associate of science degrees as meeting the Goshen College lower level general education requirements for students who received a Hesston College associate's degree after 2003. These degrees may meet some upper level requirements and international education requirements. All other competencies, prerequisites and upper level general education requirements must be met on the same basis as any other Goshen College student before a bachelors' degree will be granted.

Transfer application deadlines

Applications are reviewed on a continuous basis. Admitted students must submit the \$200 enrollment deposit in order to establish their priority for campus housing placement and to be eligible to register for classes. The \$200 enrollment deposit is fully refundable by written request until May 1 for fall semester entry and Dec. 1 for spring semester entry.

International students

Applicants who are not citizens or permanent residents of the United States must complete the application for admission, marking the international student option on the

application. The application for admission is available from the admission office and is also available online at www.goshen.edu/admission. There is an application fee of \$25.

Also required for admission are the following: a TOEFL score of 550/213/79 (paper version/computer version/Internet version) or an overall Band Score of 6.0 on the IELTS or a grade of "C" or better on the General Certificate of Education (GCE) English exam; bank statements and/or salary statements and/or sponsor letters; personal history, describing significant life experiences, school experiences, activities, future plans and reasons for wanting to study at Goshen College; official secondary school transcripts, exam reports, diplomas (certified with original signatures and/or seals); official post secondary/university transcripts and exam reports (certified with original signatures or seals); certified English translations of all documents if they are not in English (available from www.wes.org); guidance counselor reference or college personnel reference; personal reference from a teacher, employer or pastor; and a copy of the student's passport.

It is also highly recommended that international students submit SAT I scores with their application for admission. The SAT exam is given in locations around the world several times a year. Students may obtain details of when the exam is administered and how to apply by contacting the nearest American Embassy or Consulate. Students should start planning a year in advance of the time they plan to begin studies at Goshen College to take the required TOEFL and SAT I exams and to prepare the other required documents for admission and financial aid consideration.

Early enrollment program

The early enrollment program at Goshen College is for area high school juniors and seniors who excel in one or more subject areas and are ready for more advanced study at the college level. The student enrolls part time at Goshen College while maintaining enrollment in high school. The total number of college courses a student may take each semester must be equal to or fewer than the number of high school courses taken during the same period. A separate application is required, and students enroll on a semester-by-semester basis. Early enrollment students may select from 100 and 200 level courses. Course prerequisite documentation must be provided by the student before registration is complete. No financial aid or other tuition discounts are available. See financial information section for special rates.

Guest student status

The guest student program is for individuals who wish to take a college course but do not initially intend to seek a degree from Goshen College. Students enrolled in this program may take no more than five credit hours per semester and will receive no financial aid. A separate application is required, and students enroll on a semester-by-semester basis. A maximum of 15 cumulative credit hours can be earned in the guest student program. If a student reaches 15 credit hours and wants to continue taking classes, he or she must complete the application process for full admission. Degree-seeking students will have priority for limited enrollment courses.

Transient students

The transient student program is for non-degree seeking students who are currently enrolled at another college. A transfer application is required, as is a college reference. Transient students can enroll full time or part time at Goshen College.

Re-admitted students

Students who are not enrolled for one or two consecutive semesters at Goshen College, and who did not enroll at another college or university during their absence, may follow a simplified re-admission process, beginning with the registrar's office. Students intending to transfer credits earned during their absence from Goshen College and students not

enrolled for more than two consecutive semesters must begin the re-admission process in the admission office.

Students contemplating a leave from their studies at Goshen College are encouraged to complete a Leave of Absence form, available in the registrar's office and online (www.goshen.edu/registrar/Forms), to expedite the re-admission process. The Leave of Absence policy is explained in the Academic Policies section of this catalog.

Graduation and retention rates

The Student Right-to-Know Act, PL 101-542, requires that institutions publish graduation rates. The rates are based on new freshmen entering an institution as first-time, full-time, degree-seeking students and graduating within 1.5 times the normal time for their program (six years). The graduation rate for those entering Goshen College in the fall of 2002 and graduating within six years was 73 percent. The five-year average rate of first-time freshmen returning to Goshen College for the second year of study is 83 percent.

Financial aid

Purpose and philosophy

The financial aid program at Goshen College is designed to assist students in financing a Goshen education and to supplement, not replace, family resources for college. The program is intended to provide financial assistance to accepted and continuing students who would be unable to attend Goshen College without aid. It is intended to encourage the attendance at Goshen College of students who have demonstrated high achievement or otherwise have indicated strong potential to benefit from study at the college and to contribute to the achievement of the college's mission.

The student is expected to contribute financially toward his or her own education, usually through savings and/or summer employment. Our awarding policies are balanced to consider need but to also recognize past achievement and high potential achievement (i.e. merit).

Financial aid packaging

All financial aid awards are determined by the student financial aid office. Students applying for financial aid are considered for all aid for which they are eligible. Financial aid is normally provided in a "financial aid package"-- a combination of institutional, state, federal and private loans, employment and gifts. Goshen College attempts to provide a financial aid package adequate to meet the needs of each student who applies.

Students planning to attend Goshen College should see the Financial Information section of the catalog for details about expenses for the 2010-11 academic year. Indirect expenses, including books and supplies, personal expenses, medical insurance and transportation are added to tuition, room and board costs to determine the total cost of attendance. The student financial aid office considers the total costs of attendance when preparing a financial aid award.

During 2009-2010, Goshen College administered more than \$20.4 million in financial aid. The total amount of each student aid package is based on the student's financial need and/or eligibility for merit-based aid. Need is determined by subtracting the resources of the student and his or her parents' contribution and any merit-based aid from the total estimated student expenses. The amount of the expected family contribution (EFC) is determined from information on the Free Application for Federal Student Aid (FAFSA), which uses such items as number of family members, income, assets, taxes paid and certain other liabilities of the family.

Types of financial aid available

- **Scholarships** - Scholarships are merit aid awarded in recognition of outstanding achievement. Descriptions below.
- **Grants** - Grants are gift aid awarded to students, usually based upon demonstrated need.
- **Loans** - Education loans, other than Federal Direct Unsubsidized Stafford loans, usually accrue no interest during the time of enrollment in college. Relatively low interest accrues during the repayment period.
- **Employment** - Part-time jobs are available on campus or in the community where earnings can amount to as much as \$1,800 or more each school year. Full-time summer employment can provide additional earnings.

Financial aid package order of assembly

1. Federal Pell Grant
2. Academic Competitiveness Grant
3. National SMART Grant
4. Federal Supplemental Educational Opportunity Grant (SEOG)
5. Federal Teach Grant
6. State grants
7. College scholarships and discounts
8. Church aid and Goshen College Church Aid Matching Grant
9. Endowed Scholarships
10. Federal College Work-Study
11. Federal Direct Stafford Loan
12. Goshen College Grant
13. Federal Perkins Loan, Federal Nursing Student Loan to meet remaining need
14. Federal Direct Parent Loan (PLUS) or unsubsidized Federal Direct Stafford Loan to families who desire it.

Sources of financial aid

Federal and state programs

Goshen College participates in all federal programs, including the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), Federal Perkins Loan, Federal Nursing Student Loan (NSL), Federal College Work-Study Program (CWSP), the Federal Direct Stafford Student Loan, the Federal Direct Parent Loan for Undergraduate Students (PLUS), and Veteran Educational Benefits. Residents of Connecticut, Indiana, Pennsylvania, Rhode Island and Vermont are eligible to receive state scholarship and grant awards that can be used at Goshen College.

Goshen College President's Leadership Award

Up to ten awards will be given annually to entering first-year students in recognition of outstanding academic and leadership skills. A separate application is required for the President's Leadership Award. To be eligible to apply, students must meet at least two of the following criteria: a) be a National Merit Semifinalist, b) rank in the top five percent of their high school class, c) have a grade point average of at least 3.8 (on a 4.0 scale), d) score at least 1270 (Critical Reading plus Math) on the Enhanced SAT or 29 on the ACT. Canadian students must have a high school overall average of 88 or better. The President's Leadership Award is renewable each year with a 3.50 grade point average. The award is made for no more than eight total semesters. The stipend for 2010-2011 is \$18,000. (The President's Leadership Award replaces a Menno Simons or Wens Honors Scholarship.) Priority application deadline is December 15.

Goshen College National Merit Scholarship (Burkholder Scholarship)

National Merit Scholarships for National Merit finalists--\$1,000 to \$2,000 per year for four years. Stipends above \$1,000 are based on need. These scholarships are partially funded by an endowment established in honor of President Emeritus J. Lawrence Burkholder and his wife, Harriet. It is renewable each year with a 3.20 grade point average. The award is made for no more than eight total semesters.

Goshen College Academic/Merit Scholarships

These "merit-based" scholarships reward achievement in high school. Eligibility for the Menno Simons, Wens, Yoder, Grebel and Kratz Honors Scholarships are determined by looking at a combination of grade point average (GPA) and SAT or ACT scores. Awards based on academics are limited to a total of eight semesters, and are renewable based on continued minimum GPA levels (3.20 for Menno Simons, 3.00 for Wens, Yoder and Grebel, 2.80 for Kratz).

- Menno Simons Scholarship \$9,000
- Wens Honors Scholarship \$8,000

- Yoder Honors Scholarship \$7,000
- Grebel Honors Scholarship \$6,000
- Kratz Honors Scholarship \$5,000

Goshen College Transfer Academic/Merit Scholarships

Transfer students who have shown outstanding performance can receive academic/merit scholarships based on their cumulative transfer GPA.

- Transfer High Honors Scholarship \$8,000
- Transfer Honors Scholarship \$5,000
- Transfer Academic Scholarship \$3,500

Students from Hesston (Kan.) College who are not eligible for the above scholarships, but who still show good academic performance, are eligible for the Hesston Honors Scholarship worth \$4,000. Renewals are based on maintaining a 3.20 GPA for the Transfer High Honors and 3.00 for the Transfer Honors and Hesston Honors Scholarships.

Stoltzfus Recognition Award

All African-American, Asian-American, Latino and Native-American students (U.S. and Canadian citizens and alien residents) are eligible. Eligibility requires a high school grade point average of 2.75 (on a 4.0 scale) or ranking in the top half of the high school class. Transfer students must have a 2.0 grade point average. This scholarship is renewable each year, but the award is made for no more than eight total semesters. Priority application deadline is December 15.

Athletic scholarships

Scholarships for athletic leadership/achievement are awarded each year through the athletic department. Check directly with the department for details.

Music scholarships

Scholarships for music achievement are awarded each year through the music department. Eligibility requires a high school grade point average of 3.0 (on a 4.0 scale). First-year students are not required to be music majors, but must be involved in activities of the department. Scholarship applications and audition dates and procedures can be found at www.goshen.edu/financialaid/achievement.php#music.

Center for Intercultural Teaching and Learning Scholarships

Students with Hispanic/Latino heritage, who are first-generation college students and U.S. citizens, are eligible to apply for this scholarship. Eligibility requires a high school cumulative grade point average of 2.75 or higher. Students must enter Goshen College directly from high school. Priority is given to Indiana students, but out of state students are encouraged to apply. Priority application deadline is December 15.

Endowed and restricted scholarships

In 2009-2010, the aid office administered over 150 endowed and restricted scholarship funds and awarded over \$1 million to students from these sources. Simply by applying for financial aid, the student will automatically be considered for endowed and restricted scholarships, using criteria specified by each donor. Over 75 percent of these scholarships are need-based. Many are designated for a specific major or professional goal; some are based on other criteria such as geography, descendency, etc.

Missionary service scholarships (Swallen and Lord's Trust)

Two scholarships are available for students who are preparing for missionary service. These scholarships are the Swallen and the Lord's Trust. Application for first time recipients is available in the admission office. Renewal applications are available in the financial aid office. In addition to the application, two references are required. Awards are made for no more than eight total semesters.

Goshen College Grant

A Goshen College Grant is gift assistance provided on the basis of financial need. The amount of the grant is dependent on the student's demonstrated need and other gift aid received by the student.

Church Aid Matching Plan

Goshen College provides grants to match assistance given by the student's congregation or conference aid plan. The Church Aid Matching Grant will be awarded in addition to other scholarships, grants or discounts for which the student is eligible. The Church Aid Matching Grant program is available to any eligible student, regardless of religious denomination. The Church Aid Matching Grant will apply dollar-for-dollar to the first \$1,000, and beyond that on a 1:4 ratio. Congregational or conference representatives must notify the church relations office by March 1, providing the amount of aid commitment and the name of each recipient. The match is pro-rated for part-time enrollment.

Tuition discounts

Related Mennonite institution discounts

Dependents of a faculty or staff member from schools of the Mennonite Secondary Education Council, Mennonite Elementary Education Council, Associated Mennonite Biblical Seminary, Eastern Mennonite Seminary or College Mennonite Church are eligible for a tuition discount up to 25 percent. Dependents of faculty and staff from these institutions who are employed less than full-time receive a pro-rata share of the 25 percent discount, based on the percentage of the parent's employment.

Mennonite Colleges tuition discount reciprocity

Dependents of faculty and staff members from the following members of the Council of Mennonite Colleges are eligible for a 50 percent tuition discount: Bethel College (KS), Bluffton University, Eastern Mennonite University and Hesston College. Dependents of faculty and staff from these colleges who are employed less than full-time receive a pro-rata share of the 50 percent discount, based on the percentage of the parent's employment.

Financial aid policies

Limits on Goshen College aid

Goshen College institutional dollars are available to students who have not achieved a bachelor's degree. Students may apply or audition for any number of awards, but each student may receive a maximum of two awards from the following list:

- Anglemyer Education Fund
- Athletic Awards
- Gorsline Business, Communication or Theater Scholarships
- Lord's Trust & Swallen Scholarships
- President's Leadership Award
- Transfer Honors Scholarships
- Academic Scholarship (Menno Simons, Wens, Yoder, Grebel or Kratz)
- Music Department Achievement Award
- Tuition Discount Benefit

Per College policies, the total gift aid from Goshen College sources cannot exceed the cost of tuition. Gift aid from all sources cannot exceed the combined cost of tuition, room/board and books.

Qualifications for financial aid

Goshen College financial aid requires full-time enrollment of at least 12 credit hours each semester. For federal and state financial aid requirements, contact the financial aid

office. Accounts from previous enrollment must be paid in full to retain financial aid assistance.

In accepting a scholarship, grant, loan or discount, a recipient agrees to maintain satisfactory support of the ideals and standards of Goshen College and to maintain satisfactory academic progress.

Any financial aid held by a student who withdraws either voluntarily or by request will be adjusted according to federal and institutional refund policies. Any loan or open account will become due and payable.

Satisfactory academic progress

Financial aid recipients must show sufficient academic progress toward completion of degree objectives within a reasonable time period. The time period is normally defined as five years of full-time enrollment with exceptions granted for remedial work or other unusual circumstances. Failure to make normal progress will cause ineligibility in federal, state and institutional programs. The appeals committee hears appeals from those failing to meet minimum satisfactory academic progress. To continue receiving financial aid a student must:

- have at least a 1.50 grade point average while earning between 12 and 29 credit hours
- have at least a 2.00 grade point average after earning 30 or more credit hours
- complete 24 hours in each academic year (if a full-time student).

In no case may a student receive federal financial assistance after having attempted 150 percent of the published length of program for a full-time student, i.e., a maximum of 180 credit hours for programs that require 120 hours for completion. A full statement of the policy is found in the academic policies section of this catalog.

Procedures for applying for financial aid

Early and orderly planning is important for receiving financial assistance.

1. Apply for admission; a student must be admitted to the college before a financial aid offer can be made.
2. Annually complete the Goshen College financial aid application form before March 1. (For first-year and transfer students, the financial aid application is combined with the application for admission.)
3. Submit a Free Application for Federal Student Aid (FAFSA) by March 1. The FAFSA may also be used to apply for the Pell Grant program and the Indiana Higher Education Award and Freedom of Choice Award. The FAFSA may be obtained online at www.fafsa.ed.gov. Students should specify 001799 as the code number for Goshen College in the appropriate section of the FAFSA.
4. Investigate other sources of financial aid: high school, church, community service clubs, industry or vocational rehabilitation.
5. The student financial aid office will begin awarding incoming students in early March. Upon receiving a financial aid package, the student should review the award and respond to the guidelines stated in the financial aid letter.
6. Continuing students must reapply for financial aid each academic year. Aid usually continues at substantially the same level each year unless the family's resources or the student's status change. All enrolled students receiving aid automatically receive information about applying for renewal awards. Award letters will be sent beginning in early April.

Canadian students

Canadian students are eligible for institutional grants and scholarships listed above. To apply for need-based financial assistance, students should request the Canadian Student Financial Aid Form. Students should also consider sources of aid in their home province.

International students

Grants are available to qualified international students. These grants cover part of the cost of tuition. International students may apply for aid as a part of the admission process. To be considered, a completed application along with all supporting transcripts and test scores must be submitted along with a financial declaration. Students who had previously received a bachelor's degree will not be eligible for financial assistance.

DAES and graduate students

Students attending either the DAES or graduate programs at Goshen College may be eligible for financial aid. For more information, please contact the financial aid office.

Financial information

Expenses and fees for 2009-10

Traditional Undergraduate Program

	Fall	Spring	May Term	Total
Full-time tuition (12-15 hours)	\$12,250	\$12,250	Inc ¹	\$24,500
Room (residence halls) ²	\$2,175	\$2,175	Inc ¹	\$4,350
Board (full board) ³	\$1,975	\$1,975	Inc ¹	\$3,950
Totals	\$16,400	\$16,400		\$32,800

Fall or Spring SST	\$16,400
Summer SST (attended full time both fall and spring)	\$13,150
Summer SST (attended full time fall or spring)	\$14,775
Summer SST (did not attend full time fall or spring)	\$16,400

There will be an extra cost for Egypt, Peru & Tanzania SST units.

¹ No additional cost for May term for students who are registered full-time, living on-campus, and with a meal plan at Goshen College in both fall and spring semesters. All others, including Brethren College Abroad students and those who were in off-campus courses through other agencies, pay the charges listed below for May term. Additional costs for May term meals may apply if student was not in full board both fall and spring. Students at Merry Lea must pay for meals separately.

	Tuition	Room	Board (full)	Total
May Term only	\$2,420	\$430	\$400	\$3,250
May Term (if attended full-time either fall or spring, but not both)	\$1,210	\$215	\$200	\$1,625

² Single-room charges are \$500 additional per semester.

Kratz, Miller, Yoder residence halls - \$2,175/semester

Kulp junior/senior floors - \$2,100/semester

All small group housing - \$2,400/semester

Individual apartment complex units - \$2,675/semester

³Other meal plan options –

14 meals per week at \$1,860/semester, 80 meals per semester at \$1,040/semester, 45 meals per semester at \$600/semester.

Add the following estimates to the above fixed costs: books and supplies - \$890; personal expenses (i.e., health insurance, recreation, laundry, pocket money, etc.) - \$1,100; transportation - variable.

Other tuition rates for traditional undergraduate program

Part-time fall and spring enrollment charges (applied music surcharge additional)

One-to-eleven credit hours (and May term part time) (per credit hour) \$1020

Extra hours above 15 (per credit hour) \$610

Full- and part-time:

Independent study, per credit hour (tutoring) \$1020

Independent study, per credit hour (readings) \$610

Summer session: \$1,800

Other surcharges and special fees

Applied music surcharge (students enrolled for six or more hours)	\$305
Applied music surcharge (students enrolled in less than six hours)	\$435
Applied drama surcharge	\$160
Audit fee, per hour.....	\$180
Credit by examination per hour	\$155
Credit for experience per hour	\$175
Credit through Voluntary Service per hour	\$155
Early enrollment tuition, per credit hour.....	\$125
Examination out of schedule	\$30
Late arrival for check-in.....	\$50
Late payment (payment received after due date).....	\$50
Special payment arrangement (other than the standard payment plans)	\$75
Yearbook	\$35
Transcripts of credit (after first).....	\$4

(Transcripts are released only after all accounts are paid in full)

GC Student health and accident insurance program

Single student per year	\$677
Major Medical	\$177
Spouse per year	\$1,294
Each dependent child per year	\$1,092

Finance charges

Interest of 12 percent annually (1 percent per month) will be levied against charges unpaid 30 days after statements are issued. Delinquent accounts may be sent to a collection agency. The student is responsible for all collection costs.

Standard payment plans

Final payment due dates

- Fall Term - August 12, 2010
- Spring Term - December 16, 2010
- May Term - May 4, 2011 (first day of classes)
- Summer Term - May 31, 2011 (first day of classes)

Plan #1 Payment in full: Any payment not received by the due date is subject to the \$50 late payment penalty. For more information on payment methods, including online payments, visit www.goshen.edu/accounting.

Plan #2 Monthly Payment Plan: Contracts may be arranged with our outside agency for a low-cost monthly payment program to extend throughout the year. The cost of the annual plan is \$45. There are no interest charges. Contact the accounting office for information, or visit www.goshen.edu/accounting for information.

To avoid a \$50 late payment fee, enroll in one of the payment plans by the final payment due date. Students may not go through final check-in until payment requirements are met under one of these plans.

Tuition, fees, expenses and payment due dates can be found on links from the accounting office web page (www.goshen.edu/accounting) or from this expense sheet brochure. This information along with the financial aid information received in the Financial Aid award letter can be used to determine payment requirements. Student account information, including estimated billings, can be found on GC Online. Please use this information to plan adequately and meet payment requirements for the 2009-10 year.

Note: Delinquent accounts may be referred to a collection agency at any time after the account is 120 days past due. Collection costs on referred accounts are charged to the student and added to the balance due.

Degree Completion and Transition to Teaching Programs

Adult (DAES) programs comprehensive fee	\$14,800
(tuition, books, fees for entire program) (\$370/credit hour for 40 credit hours)	
Application Fee	35
Audit Fee	80
Class Reservation Deposit	100
Restart Fee.....	100
Extended Payment Set-up Fee	75
Credit for Prior Learning, per credit hour	60
Credit by Exam, per credit hour	120

Exam Fees:

CLEP	87
DANTES	95
Independent Study, per credit hour. DAES course reading	380
Independent Study, per credit hour, traditional course reading	610

Transition to Teaching program

Elementary education	10,700
Secondary education	8,030

Refund Policy

The following tuition refund procedures apply to students who withdraw or are dismissed from the institution, change status from full time to part time, or reduce hours as a part-time student. Room and board refund rates apply to students who withdraw, are dismissed, or change from resident to commuter status.

Refund procedures

Voluntary withdrawal: Students who withdraw completely from the college initiate the process by contacting Student Life. Official contacts must also be made with the academic adviser, registrar, resident director (if residence-hall student), accounting office and student financial aid office. Students who reduce their hours of enrollment must contact their academic adviser and the registrar. Students with changes in housing or food-service contracts must contact the dean of students and dining service. To receive credit for the unused board contract, the student's ID and any unused munch money must be returned to the dining hall, and the dean of students must be informed.

Involuntary withdrawal: The registrar's office establishes the last date of attendance for students who stop attending classes without following withdrawal procedures by contacting teachers, the student's adviser and residence life personnel. Information obtained from these persons will be used to document the last date of attendance.

From the day of registration through the first week of classes (drop/add period), the student will receive a 100 percent refund on tuition. The refund percentage for the rest of the semester follows the federal regulations for refunding financial aid. From the eighth day of the semester, the refund percentage is calculated by counting the number of days left in the semester, divided by the total number of days in the semester. As in the federal formula, weekends and breaks are also counted except for scheduled breaks of at least five consecutive days. There is no refund after the last day to withdraw with a "W" which is when 60 percent of the semester is completed. A day-by-day refund schedule is posted in the accounting office and at http://www.goshen.edu/financialaid/cf_refundpolicy.php

Room and board refund rates, following day one of a given term, are prorated daily until the last date to withdraw with a "W." No refunds are given after the "W" date.

Refund rates for students enrolled in the May term **only** are the same as those listed above, but the 100-percent refund rate applies only to days 1 and 2 (drop/add period).

A student financial aid recipient will have earned aid according to the formula listed above. Exceptions are during the 100 percent refund period, where no aid is earned since no costs are incurred. The full formula for determining the amount of Title IV federal aid that is earned, and how unearned portions are returned to the federal programs is outlined in CFR 668.22. Institutional aid earned is calculated according to the same procedures, with the exception that any credit left on the student's account after the refund listed above will first pay back any current year loan owed to Goshen College.

Academic information

Academic year: two semesters and a May term

In addition to fall and spring semesters, a three and one-half week May term is considered part of the regular school year. Commencement is held annually between spring semester and May term. Students may enroll for three or four credit hours in May term courses. Students who are enrolled full time in fall and spring semesters and living in campus housing pay no additional tuition or room and board costs for May term courses on campus. Two summer sessions during June and July also offer a limited number of courses. The summer Study-Service Term starts at the beginning of the May term and ends in July. A calendar for the academic year is included in this catalog and is also available online.

Degrees offered

The Bachelor of Arts is the primary degree awarded by Goshen College. The program that leads to this degree includes general education requirements, a major, and electives that can also be used for a second major, one or more minors or to complete professional programs in elementary or secondary education and social work.

The Bachelor of Science in Nursing is a professional degree which includes general education requirements, supporting courses, and professional nursing study. Graduates must successfully complete the State Board Examination to become a registered nurse. Graduates of associate degree programs in nursing are welcome to enter and pursue a modified program to earn a B.S.N. at Goshen College.

The Bachelor of Science degree in Organizational Leadership is designed for adult students who have completed two or more years of college. Classes are offered in the evening by the Goshen College Division of Adult and External Studies program and accommodate adult needs in content and learning style.

The first graduate programs at Goshen College began in 2007. Three degrees are offered:

- Master of Science in Nursing, Family Practitioner
- Master of Science in Nursing, Clinical Nurse Leader
- Master of Arts in Environmental Education

A separate graduate course catalog is available online and also from the nursing department and Merry Lea Environmental Learning Center.

Majors and minors

The major is a specified concentration of courses in a department, in addition to designated courses in related departments, which develop expertise in the concepts and skills of a discipline. Many majors offer specialized concentrations, which allow students to tailor a program to their personal interests. Each major includes a departmental or interdisciplinary seminar at the senior level and most include an internship. Majors range in size from 33 credit hours to 60 or more in professional programs. Minors supplement the major, often emphasizing an interdisciplinary approach or vocational skill. Typical minors require 18-20 credit hours of study.

Details on required courses and sequences for each major and minor appear under departmental headings in the academic programs section of the catalog. Handbooks on professional programs such as nursing or education are available in the appropriate departmental offices.

Declaring a major or minor

Students who wish to declare a major or minor should meet first with their academic adviser, then notify the registrar's office of their intent.

34 majors available

- Accounting
- American Sign Language
- Art
- Bible and religion
- Biology
- Broadcasting
- Business
- Chemistry
- Communication
- Elementary education
- Elementary education/Special education
- English
- English writing
- Environmental science
- History
- History and social research
- Informatics
- Interdisciplinary studies
- Journalism
- Mathematics
- Molecular biology/Biochemistry
- Music
- Nursing
- Organizational Leadership
- Peace, justice and conflict studies
- Physical education
- Physics
- Psychology
- Public relations
- Social work
- Sociology
- Spanish
- TESOL (Teaching English to Speakers of Other Languages)
- Theater
- Youth ministry

36 minors available

- Accounting
- American Sign Language
- Anabaptist-Mennonite studies
- Art
- Bible and religion
- Broadcasting
- Business
- Communication
- Conflict transformation studies
- English
- Entrepreneurship
- Environmental science
- Global economics
- Graphic design
- Health
- History
- Informatics
- International studies
- Journalism
- Mathematics
- Multimedia communication
- Music
- Music in worship
- Peace and justice studies
- Physical education
- Piano pedagogy
- Psychology
- Public relations
- Social policy
- Sociology/Anthropology
- Spanish
- (TESOL) Teaching English to speakers of other languages
- Theater
- Women's studies
- Writing
- Youth ministry

Certificate programs

Certificate programs are designed for high school graduates and other mature adults with special interests who want to spend one year at Goshen College. Certificate programs are offered in biblical studies, business administration, music in worship, piano pedagogy and teaching English to speakers of other languages (TESOL). Details of each program are available from the related department or from the registrar's office.

Professional and pre-professional programs

Undergraduate professional programs at Goshen College

Three undergraduate professional programs are offered at Goshen College: education (elementary and secondary), nursing and social work. All require passing a certification exam after graduation. The accounting department offers several options for completing the 150 credit hours necessary to take the CPA exam. In addition, other majors such as broadcasting, journalism and informatics offer extensive opportunities for internships and professional preparation. Details about these programs are in the academic programs section of the catalog.

Teacher certification programs

The teacher education programs below lead to certification in Indiana. Most states have reciprocal certification agreements.

- American Sign Language education (5-12)
- Bilingual/bicultural education (5-12)
- Business education (5-12)
- Elementary education..... (K-6)
- Elementary education/English language learners (K-6)
- Elementary education/Exceptional needs: Mild intervention (K-6)
- English/language arts education (5-12)
- English language learners (ELL) education (K-12)
- Journalism education (5-12)
- Mathematics education (5-12)
- Music education (K-12)
Vocal, Instrumental *or* General
- Physical education (5-12 or K-12)
- Physical education and Health (5-12 or K-12)
- Science education (5-12)
Chemistry, Life sciences, Physics, Life sciences and chemistry, *or*
Physical sciences
- Social studies education (5-12)
- Spanish education (5-12)
- Theater arts education (5-12)
- Visual arts education (K-12)

Professional undergraduate program completed at another university

Engineering

Goshen College offers a two degree, or 3-2, engineering program resulting in a B.A. in physics, chemistry or computer science from Goshen and a B.S. in engineering from a major university with an accredited engineering program. Goshen College has articulation agreements with University of Notre Dame, Case Western Reserve, University of Illinois, and Washington University in St. Louis. The student spends the first three years at Goshen and the final two years at the university. For details and requirements, see the physics and pre-engineering department section of this catalog.

Pre-professional programs that require a graduate degree

Pre-architecture

An undergraduate degree in art is recommended, along with courses in mathematics, physics, history, sociology, communication and business. More information is available in the art department catalog pages and from art faculty advisers.

Pre-health sciences

Goshen College provides excellent pre-professional preparation for students interested in *medicine, veterinary science, physical therapy, occupational therapy, dentistry, optometry, pharmacy, and physician's assistant* programs. Since course sequencing is important, any student interested in these programs should consult pre-medical adviser Jim Miller or other faculty advisers in the biology and chemistry departments about course selection and the graduate school application process.

Pre-law

Law schools want students who can think, read, write and speak well and who have some understanding of public policy and human experience. No specific major is required. History is a good choice, but, depending on student interests, business, English, environmental science, PJCS or other fields could also be chosen. A list of recommended courses is available in the history and political science catalog section. History faculty also serve as academic advisers for pre-law students. Materials for the Law School Admissions Test (LSAT) and information about law schools and pre-law internships are available in the Career Services office.

Pre-seminary

Goshen College has a close historical relationship with Associated Mennonite Biblical Seminary (AMBS), Elkhart, IN; however, Goshen graduates attend a variety of seminaries for theological study or preparation for ministry. Students anticipating seminary study are counseled to complete a B.A. degree with a major in Bible and religion, humanities or social sciences. They are also encouraged to attend the annual spring vocation banquet at AMBS and participate in a summer Ministry Inquiry Program internship in a congregation.

Key to course numbers

Lower level

100 - 199 courses -- Primarily for first-year students

200 - 299 courses -- Primarily for sophomores

Upper level

300 - 399 courses -- Usually for juniors or seniors

400 - 499 courses -- Primarily for seniors and graduates

A student may register for courses one year above current classification (for example, a sophomore may register for a 300 level course), if prerequisites have been met.

Some courses are offered for variable credit hours. The default credit value will be listed first, with the variable range in parenthesis, e.g. 3 (1-3).

Not all courses listed are offered each year. A list of course offerings for the next academic year is prepared in March of each year and is available from the registrar's office and online. The college reserves the right to cancel any course if fewer than 10 students enroll or if suitable faculty are not available.

Special courses in all departments

199/299/399 Special Studies: (title to be given) 1-6

An all-purpose course for recording credit in topics not contained in regular offerings. Often used for independent study or credit by experience. Registration arrangements need to be approved by both the department and the registrar's office. This special studies option is open for use in all departments of the college.

Academic policies and requirements

Graduation requirements

1. Total credit hours

Minimum total credit hours for each bachelor of arts and bachelor of science degree is 120 credit hours.

2. General education

All general education requirements must be completed as listed in the catalog that is current at the date of matriculation. Students who are earning a second bachelor's degree at Goshen College must take (or have taken) a college writing course, a Bible or religion course, and an international studies course.

Courses that meet multiple requirements:

Most general education courses may also count toward a student's major or minor. Exceptions are SST alternate courses, Engl 105/110 (for English majors), and Bibl 100/200 (for Bible and religion majors).

3. Major

A defined major or interdisciplinary major must be completed. At least 12 upper-level credit hours (300-499) are required, with at least six upper-level credit hours in the major completed at Goshen College.

Internship credit expectations:

From 40 to 60 clock hours of experience will be expected for one hour of credit earned in departmental internships completed during the academic year. See credit by experience information for policies governing credit earned outside the semester calendar.

Double major policies:

Students with a double major are required to complete only one senior seminar and one internship. However, since seminar and internship credit counts toward the total number of credit hours required for a major, other departmental courses must be substituted in order to reach the total required number of credit hours for the second major. Duplication of courses for two (or more) majors may occur only for courses specifically required in both of the majors.

4. Minor (optional)

A minor supplements the major, often emphasizing a special interest, an interdisciplinary approach or vocational skill. Minors consist of 18-20 credit hours, with at least eight credit hours of upper-level study (300 and above). At least three credits in the minor must be completed at Goshen College.

Course overlap between majors and minors:

Duplication of courses for two (or more) minors may occur only for courses specifically required in both of the minors. However, courses in a minor may duplicate related courses in a major, at the discretion of the relevant departments.

5. Grade point average

A minimum 2.00 grade point average (GPA) for all work at Goshen College is required for graduation. Some specific majors require a GPA of 2.50.

6. Minimum credits of coursework at Goshen College

At least 30 credit hours of course work must be completed at Goshen College.

7. Senior credit requirement

Of the minimum 30 credit hours taken at Goshen College, at least 24 must be completed in the senior year (after achieving 90 credit hours). Exceptions are made for certain professional curricula where the fourth year is spent at another institution and for students in the Division of Adult and External Studies.

8. Limit of credit hours in one department

No more than 45 credit hours in one department can count toward the minimum hours required for the degree. In other words, at least 75 credit hours must be completed outside the department of the major. All interpretations of requirements should be checked with the registrar.

9. Convocation/chapel attendance

Posted attendance requirements must be met. Current attendance policies are distributed to students annually and available at the chapel and convocation Web site.

10. Full financial settlement

Diplomas and transcripts are released only after the student's financial obligations to Goshen College have been met.

Special degree conditions

Credit limitations

- **Technical education** - A maximum of 12 credit hours may be transferred from terminal (non-liberal arts) programs at other colleges, such as community colleges, technical or Bible institutes.
- **English as a second language** - A maximum of 10 credit hours may be counted toward the bachelor's degree.
- **Online/Correspondence credit** - Goshen offers no online or correspondence courses, but up to 12 credit hours may be accepted in transfer.
- **Credit for learning based on work and/or experience** - A maximum of 12 credit hours of experience-based credit can be counted for the bachelor's degree.

Changes in graduation requirements

A student will normally be expected to meet the graduation requirements outlined in the catalog for the year of matriculation at Goshen College (or Hesston College) unless those requirements have been changed later by faculty actions that are to be applied retroactively. A student whose graduation is delayed because of absences of more than two semesters will be subject to the graduation requirements in force at the date of readmission. However, a student who, in spite of a period of absence, can graduate not more than seven years after first matriculation (or an appropriate share of this time, in the case of a student admitted with advanced standing), may elect the requirements in force on the date either of the first matriculation or of readmission.

Candidacy for degree

Candidates for degrees must file applications not later than the beginning of the semester in which the degree is to be awarded. Application forms are available online.

Advising and registration

Following admission for study in a particular semester, all new students participate in course registration as described below.

Registration procedures

Registration for each semester normally proceeds in two distinct stages – course selection and final check in. Course selection includes consultation with a faculty adviser and online course-selection. This registration must be confirmed at the final check in just

before classes begin. Final check in includes housing confirmation, financial aid processing, proof of insurance, ID cards, auto registration and other items. Fees must be paid prior to check in by the accounting department's due date. Part-time students and late applicants complete both course selection and check in on the first day of the semester.

Fall semester

Continuing students select courses in April. New students participate in special orientation/registration days scheduled in June and July. Final course selection and registration for all students is held the first days of the semester, as is course selection for late students. Classes begin on the evening of the first day of the semester.

Spring semester/May term

Students on campus select courses in November and December. New students complete course selection in December or on the first day of the semester. Final check in for all students is the first day of the spring semester, and classes begin on the second day.

Academic advising

First-semester freshmen are assigned to colloquium advisers. Those who are ready to declare a major at the end of the first semester are then assigned to advisers in their academic departments. All others will be assigned to generalist advisers until they declare majors.

During the advising period at the end of fall and spring semesters, all students are asked to consult with their academic advisers, but contact is not limited to these days. Faculty advisers are prepared to assist with a range of questions – career goals, graduate school, choice of major, course selection and general adjustment to college. Some departments and professional programs also conduct group information or advising sessions for interested students.

Students share responsibility with the faculty adviser for planning their college program, including course selection, and for becoming acquainted with requirements through reading printed materials and attending departmental meetings. Questions about the advising program should be addressed to the associate academic dean.

Changes in registration (Drop and Add)

Students may make online changes to their course schedules during designated "open registration" times. Students may add new courses and change grading plans only during the first five days of classes in the fall and spring semesters and the first two days of the May term and summer sessions. Courses formally dropped before the end of the fifth day of classes do not appear on a student's permanent record. Courses dropped during the second to ninth weeks will appear on the permanent record with a W grade (withdrawal). Courses dropped after the ninth week are recorded F (failing) or NC (no credit). Students may make changes in depth-credit registration (see below) during the first 12 weeks of the fall and spring semesters.

Course changes after the times specified above are permitted for health reasons only and must be approved by the coordinator of counseling.

Hours and course load

The usual academic load during the fall and spring semester is 12 to 15 credit hours. To discourage fragmentation of the student's time and allow more concentrated study in each course, the maximum load permitted in any semester is 15 credit hours (six courses maximum). Exceptions to this policy are possible with approval from the registrar. Extra tuition is charged for hours beyond 15.

Depth credits

Depth credit is offered in some courses to encourage individual study. Sophomore, junior and senior students may register during the first 12 weeks of the semester for an extra credit hour in one or two such courses each semester. Registration for depth credit must be conducted in person in the registrar's office.

Auditing courses

Students are invited to enrich their program by auditing courses on a space-available basis. Auditors may participate in a class, but are not required to complete assignments and tests. Therefore, classes that emphasize knowledge expansion rather than skill-building are most appropriate for auditing. To register, obtain an audit form in the registrar's office and secure the instructor's signature. A per-hour fee is charged for part-time students. There is no fee for full-time students. No attendance or achievement records are kept for auditors. Audited courses are not available for later credit by examination.

Northern Indiana Consortium for Education (NICE)

Goshen College is a member of the Northern Indiana Consortium for Education, along with Bethel College, Indiana University South Bend, Holy Cross College, Saint Mary's College and Ivy Tech Community College in South Bend. Through this consortium, Goshen College students may cross-register for courses offered at another member institution. Registration is on a space-available basis. The home school records the registration, and home-school fees are charged. Summer courses are not eligible for cross-registration. See the registrar for registration procedures.

College credits earned during high school

For all college-credit programs based in high schools, credit may be counted toward general education, major or minor requirements. Individual academic departments will determine the exact placement or equivalent in departmental courses.

Advanced Placement

Goshen College awards credit for Advanced Placement exam scores of three or higher. See the registrar's website for course equivalencies and faculty member contacts.

International Baccalaureate

Goshen College grants seven semester credits for each International Baccalaureate examination score of four or higher in Higher Level courses. Generally, credit is not awarded for Standard Level exams. However, when the IB diploma has been earned, four semester credits will be awarded for standard level exams with scores of six or seven.

Dual Credit

College credit earned through courses taught at a high school site is posted upon receipt of official transcripts from the credit-granting college or university, provided that grades are "C" or higher. Other Goshen College policies governing transfer credit also apply. See the Admission section of the course catalog.

Special courses by request

A special course may be offered to students who propose and agree to enroll in it, provided a faculty member agrees to teach it. Off-campus courses and all courses not listed in the catalog need approval by the academic affairs committee. In some cases, courses may be offered during the summer or during the May term. The course title and description will be kept as a permanent record by the college. An advance deposit will be required from all students agreeing to enroll.

Special registration options

Courses and special credits are available by independent study, credit by experience and credit by examination. Since these options are not part of registration for any semester,

students may register for them at any time in the registrar's office. A special fee is always charged, and financial aid does not apply.

Independent study

To develop more curricular flexibility, Goshen College invites students to register for independent study. Students have one year from the date of registration to complete independent study courses. For special circumstances, the professor may request one extension with a specific completion date, generally not to exceed three months. There are two primary reasons why students may wish to take independent study:

Regular courses at special time

An academic program may require that a student take a course not offered during a given semester. In some cases it is possible to take such a course by independent study, under the direction of a faculty member. To register for such a course, the student obtains a form from the registrar. The instructor indicates approval on the form, which the student then returns to the registrar's office. Students may register for independent study at any time during the year, but normally cannot register for an independent-study class that would increase their current course load to more than 15 hours. All independent study is charged at a special rate: tutorial, which assumes equal amount of professor contact hours as when the course is normally offered, or readings, which assumes about one-fifth the normal contact hours.

Special independent courses

A student may wish to engage in an independent-study project in an area not covered by the regular curriculum, especially during the summer, when full time can be devoted to the project. The study may occur at the Goshen campus or at any appropriate location. To take a special independent course, the student makes an initial proposal to the faculty member under whom the project would be conducted. If the faculty member approves, the student submits a more detailed proposal in writing. Next, the associate dean must approve this proposal, then the student registers for the course and pays the usual fee for independent study.

Credit for learning based on work and/or experience

Students may seek college credit for learning acquired through significant experiences in work, travel and service assignments, provided that the area of study is educationally valid and is compatible with college academic programs. The learning experience should involve both thorough preparation and systematic reflection on the importance of what has been learned. Contact with a faculty member before, during and after the experience is crucial for planning and evaluating readings, journals, portfolios and other materials. Participants in church-sponsored programs such as YES, Radical Journey and DEO arrange a contract with the director of international education for earning credit through the course Int! 250/350 described in the International education section of the catalog. Registration must precede the actual experience, and payment in full is required to validate the contract.

From 80-to-120 hours of experience will be expected for one hour of credit. A maximum of 12 hours of experience-based credit can be counted for a bachelor's degree. Students have two years from the date of registration to complete credit by experience contracts. For special circumstances, the professor may request one extension with a specific completion date, generally not to exceed three months.

Credit by examination

Credit is granted for acceptable test results under four programs – College Level Examination Program (CLEP), DANES Program, and Advanced Placement Tests (all programs of Educational Testing Services, Princeton, N.J.) and tests given by Goshen College instructors. Any student may take these examinations and credit may be earned unless it duplicates previous college credit.

CLEP tests are administered at least monthly at several hundred centers in the United States, including Goshen College. If acceptable levels are attained in any of the tests, credit is granted. The use of such credit toward specific course requirements of general education and a major will be decided by the departments concerned. Credit policies for CLEP and AP examinations are posted at www.goshen.edu/registrar. Credit earned through testing, other than AP, that is intended to meet Goshen College general education, major or minor requirements is subject to the normal credit by examination fee. Contact the registrar for details.

Grading and evaluation

Goshen's system of evaluation offers a standard (letter) grading system and a limited option system (CR/NC). The student chooses at registration whether courses will be selected for the option system.

Standard system

A Excellent

A 4.0 quality points

A- 3.7 quality points

B Very Good

B+ 3.3 quality points

B 3.0 quality points

B- 2.7 quality points

C Satisfactory

C+ 2.3 quality points

C 2.0 quality points

C- 1.7 quality points

D Unsatisfactory, but Passing

D+ 1.3 quality points

D 1.0 quality points

F Failing

F 0 quality points

NR Grade not reported (temporary grade)

I Incomplete (temporary grade)

W Withdrew during 2nd -9th week, no evaluation made

Option system

Selected by the student for a maximum of 12 credit hours in the entire college program (prorated for transfer students) or by the instructor/department for certain courses. The Credit/No Credit option may not be selected for courses in the General Education curriculum, including International Education, nor for courses in a student's major or minor, unless designated by the academic department. The student chooses at registration whether courses will be selected for the Credit/No Credit option system.

CR Passing work of C level or better; no grade point value

NC No credit: equivalent to C- level or lower; no grade point value

Written evaluation paragraphs may be requested in option-system courses and selected courses in the major. Sometimes an instructor will choose to submit written evaluations for all students in a course.

Changes in grade plan

Changes in the grading plan are possible only in the first week of each semester (two days in May term). Under CR/NC, letter grades cannot be granted, but students may ask

for a more extensive written evaluation of their work in a given class for up to five years after graduation.

Incomplete grades

A grade of I (incomplete) may be given at the instructor's discretion for medical emergencies or circumstances beyond the student's control. Students must be earning a passing grade at the time of the request for an I grade. It is to be given rarely and not to accommodate the student who, through carelessness or poor planning, does not complete course work in the given time. The student will work with the instructor to establish a plan for completion of the course. If a final grade is not submitted by the end of the spring semester (for fall) or the beginning of fall semester (for spring or May terms), an F or NC will be recorded. The new grade is used to compute the grade point average, but the I remains on the student's permanent record.

Evaluations rather than letter grades

The objectives of certain courses can best be met by special grading conditions. The academic dean can approve such courses, and they will be so marked on the official semester course offerings. Some courses have continuing approval to be offered in such a manner, e.g., student teaching and field-experience courses. Evaluations submitted for such courses become part of the permanent academic record, available with transcripts.

Grade reporting

An examination period is scheduled at the close of each course. Grade reports are available online to the student within one week of the close of each semester. Grade reports will also be sent to the parents at the request of the student.

Grade point average

A cumulative grade point average (GPA) for standard-system courses is posted on the student's record at the end of each semester. Only courses completed at Goshen College (and Hesston College) are factored into the cumulative grade point average. For graduation, a minimum 2.00 GPA is required. Some majors require a cumulative GPA of 2.50.

Any course may be repeated only once for a higher grade. The first entry will be specially marked on the transcript and only the second attempt will count in the grade point average (GPA).

Latin honors

Academic honors are awarded to traditional baccalaureate degree graduates who have earned a cumulative grade point average of 3.6 or above (A = 4.0) and with no grade lower than a C at Goshen College. To qualify for graduation honors, a student must have completed at least 48 graded semester hours at Goshen College. Academic Honors indicated in the commencement program are reflective of fall semester grades and are subject to change with the addition of spring, May term and summer grades.

Academic honors are also awarded to graduates who have earned a cumulative grade point average of 3.6 or above, with no grade lower than a C, while pursuing a degree in the Division of Adult and External Studies. To qualify for graduation honors, a student must have completed at least 40 graded semester hours at Goshen College. Academic Honors indicated in the commencement program are reflective of fall semester grades and are subject to change with the addition of spring, May term and summer grades.

- *Summa Cum Laude* 3.90-4.00 GPA (with highest honor)
- *Magna Cum Laude* 3.80-3.89 GPA (with great honor)
- *Cum Laude* 3.60-3.79 GPA (with honor)

Dean's list

The Dean's list is published after the fall and spring semesters. Students who have earned a semester GPA of 3.75 or higher on at least 12 credit hours of course work for a letter grade and who have no grades of incomplete (I) will be named to the list. Students may decline having their names published, if they so desire, by informing the registrar.

Other academic policies

Official transcripts

Official transcripts of a student's academic record will be released upon written authorization of the student. To assure that the student has complete control over this confidential information, all requests by other individuals will be refused. Positive identification in the form of student number or birthdate should accompany the signed request.

One transcript is available free of charge. A fee of \$4, payable in advance, is charged for each additional transcript. A transcript will be issued only if all financial obligations have been settled with Goshen College.

Classification

Students enrolled for 12 to 15 credit hours are considered full time; those enrolled for one to 11 credit hours are considered part time. All students are classified each semester as freshman, sophomore, junior or senior according to the following scale, based on total hours at the beginning of the semester:

Freshman	Sophomore	Junior	Senior
0-29	30-59	60-89	90 or more

Attendance regulations

Regular attendance at class is expected; the instructor will announce specific requirements for each course. Absences and completion of missed class work are issues for the instructor and student to resolve. When a class field trip results in absence, the professor is responsible to notify other instructors via the online Faculty-Staff Bulletin.

Credits

Credit is given for work successfully completed by the student and for which a passing grade or CR has been earned. The credit hour should indicate the use of one-fifteenth of the student's time (3 to 3 1/2 hours per week in and out of class for the average student). The number of class meetings each week in a particular course will be determined by the instructor in consultation with the academic dean.

Standards for academic progress

Satisfactory progress depends on maintaining a minimum grade point average (GPA) and earning at least 12 hours of credit each full-time semester. Since graduation requires a 2.00 GPA, these intermediate goals must be met:

- In first year (12-29 hours earned)..... 1.50 minimum GPA
- After earning 30 or more credit hours..... 2.00 minimum GPA

Any student not meeting these standards for: a) GPA or, b) hours earned, is placed on academic probation for the next semester. While on probation the student will be expected to either: a) increase GPA to the required level or, b) complete sufficient credit hours to have at least 24 hours in the two consecutive semesters (including May term). If these conditions are not met by the end of the semester, the student is subject to academic disqualification. Full-time students who pass fewer than five semester hours in any given semester of enrollment are also subject to immediate academic disqualification. Disqualification action is taken after a short appeal period when the student can file a written appeal with the Appeals Committee, which takes final action. It is possible that the student would be asked to take a battery of tests from a qualified mental health professional. These tests would examine academic potential, any learning problems present and emotional or social problems that could affect the student's progress. In an effort to work with identified problems, the student may be asked to contract with support persons such as counselors, parents or professors. Disqualification lasts two semesters and the student may apply for readmission after that time. The first

12 hours of attendance after disqualification will be at student expense (no financial aid). Further eligibility for financial aid is dependent on maintaining satisfactory academic progress.

Academic grievance policy

An academic grievance policy is in place for students who wish to dispute a final course grade that they received. In summary, the first step is for the student to submit a written statement, including supporting evidence and the desired outcome, to the faculty instructor of the course in question within ten business days of the end of the semester or term. The faculty member must respond in writing within ten business days after receiving the student's statement. The student and faculty member will then meet to determine whether an informal resolution can be reached.

If the dispute cannot be resolved informally, the student may contact the department chair within five business days after the meeting to present a written appeal. If the faculty member is also the department chair, or if the matter is not resolved at the department chair level, the student may appeal directly to the Associate Academic Dean. The Associate Academic Dean will lead a grievance hearing with an Academic Response Team composed of three neutral faculty members and one student. For a more detailed description of this process, see the Registrar's website.

Academic integrity

Goshen College expects all students and faculty members to practice academic integrity. Honesty, trust, fairness, respect and responsibility are essential building blocks in creating a vital learning community. They are also the foundation for lifelong integrity.

Academic dishonesty at Goshen College is considered a serious breach of the "Goshen College Commitment to Community Standards." Academic dishonesty is any act that misrepresents academic work or interferes with the academic work of others. It includes:

- Plagiarism (giving the impression that another person's work is your own)
- Cheating on assignments or exams
- Falsification of data
- Submission of the same (or substantially the same) paper in more than one course without the prior consent of all instructors concerned
- Depriving others of necessary academic sources
- Sabotaging another student's work

Consequences of academic dishonesty are based upon the severity of the offense, course expectations and other variables. Consequences for individual offenses may range from re-doing the assignment to dismissal from the college. Associate dean Tom Meyers administers academic integrity violation and grievance processes.

Academic bankruptcy

Academic bankruptcy is designed to assist the once-disqualified student to return to school under reduced handicap. Only selected students may be considered for bankruptcy status; to qualify the student will: a) have earlier been academically disqualified from Goshen, b) not be enrolled in any college study for at least two years, c) submit a written appeal to the Appeals Committee. Academic bankruptcy can be granted only once for a student and results in the entire Goshen College record up to that time being re-evaluated as a transfer record. This means that: a) only courses with grades of C or better will be retained for credit at Goshen; b) the grade point average will be restarted with no computation for former work at Goshen; c) academic bankruptcy will be clearly marked on the academic record. Clear conditions of probation will be stated to fit the individual situation. Fully meeting these conditions and the maintenance of a minimum 2.00 GPA will be required to continue after academic bankruptcy.

Privacy rights of students

In accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA), post-secondary students enrolled at Goshen College are hereby notified of their rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the college receives a request for access.
Students should submit to the registrar, vice president for student life or other appropriate official, written requests that identify the record(s) they wish to inspect. The college official will make arrangements for access and notify the student of the time and place where the records may be inspected.
2. The right to request the amendment of the student's education records that the student believes is inaccurate or misleading.
Students may ask the college to amend a record that they believe is inaccurate or misleading. They should write to the college official responsible for the record, clearly identify the part of the record they want changed and specify why it is inaccurate or misleading. If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to prohibit disclosure 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 educational interests. A school official is a person employed by the college in an administrative, supervisory, academic, research or support staff position (including security personnel); a person or company with whom the college has contracted (such as an attorney, auditor or collection agent); a person serving on the board of directors; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his/her tasks. A school official has legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Goshen College to comply with the requirements of FERPA.

The name and address of the office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 600 Independence Ave., SW, Washington, DC 20202-4605. FERPA further provides that certain information concerning the student, designated as "directory information," may be released by the College unless the student has informed the college that such information should not be released. "Directory information" includes:

- Name
- Permanent address
- Local address*
- Telephone number*
- E-mail address*
- ID photo*
- Verification of birthdate supplied by inquirer
- Dates of attendance

Academic policies and requirements : Other academic policies

- Full- or part-time status
- Date of graduation and degree received
- Major field(s) of study
- Classification
- Participation in officially recognized activities and sports
- Height and weight of athlete

*Local address, campus phone number, email address and student ID photo are available on Goshen College's Web site, but only to people using a computer connected to Goshen College's on-campus network (physically connected to the network or remotely connected with a valid Goshen College username and password.) Goshen College does not provide student e-mail lists to public or private entities.

Any student who desires that any or all of the above listed information not be released may contact the registrar's office or complete the form found at <http://www.goshen.edu/registrar/privacy>. Questions about this policy may be directed to Stan Miller, registrar, or Bill Born, vice president for student life.

Withdrawal and refund policy for reservists called to active duty

Any student called to active duty may withdraw from courses up until the last day of the semester. If the withdrawal comes during the first nine weeks of the semester, normal withdrawal and refund policies take effect. If departure comes after the ninth week, the student has the option of withdrawal "W" or incomplete "I". Options should be discussed with and approved by the course instructor(s). If course withdrawal "W" is pursued, tuition and fees will be refunded on a prorated basis. The official date of withdrawal will be used to calculate the refund. Students receiving financial aid will be subject to refund policies as provided for by the agencies sponsoring the aid. Reservists called to active duty who wish to withdraw from courses must provide the registrar with a copy of their orders.

Leave of absence policy

Students whose enrollment is interrupted by one or two consecutive semesters may apply for a leave of absence at the time of their withdrawal. Formal requests for leaves should be made by completing a Leave of Absence Form, available from the registrar's office or online. Justifiable reasons for a leave may include medical or financial difficulties or church-related service assignments. Students enrolled at the Indianapolis Peace Institute, Chicago Center, Oregon Extension, Washington Community Scholars Center or in BCA study programs are considered to be currently enrolled students at Goshen College.

Students on official leave shall enjoy all the catalog privileges of continuous enrollment. The offices of registrar, student financial aid, SST and residence life will communicate with students on leave in a timely manner to ensure student services commensurate with continuing students.

Students who interrupt enrollment for more than one academic year must apply for readmission through the admission office. All students who take courses elsewhere during their leave, and who want to transfer that credit to Goshen College, also must apply for readmittance through the admission office.

Undergraduate programs

General education curriculum

Director, R. Peterson-Veatch, Associate Academic Dean

The Goshen College general education program provides a core of common courses and activities for students in every major. Central to Goshen College general education is the Study-Service Term (SST), with its strong emphasis on international, intercultural education. As a Christian liberal arts college, Goshen also gives Bible and religion studies a prominent place in its liberal arts core. Convocation and chapel programs offer opportunities for shared learning and worship experiences that explore the core values of the college. Students are required to attend an average of one convocation or chapel program per week.

What is a liberal arts education?

At the heart of the liberal arts tradition is the assertion that only an educated person – one who is aware of self and of the other; one capable of independent discernment, analysis and judgment; one gripped by the quest for truth – can be truly free. The Bible also reflects this notion in Jesus’s words, “You will know the truth, and the truth will make you free.”

The basic question that drives all liberal arts inquiry is “What is truth?” Since different disciplines offer different angles on truth, the general education core at Goshen College gives students courses and experiences in a wide range of disciplines: communication skills, mathematics and natural science, history and social science, physical education, humanities, Bible and religion, and international education. As the Goshen College learning community explores the connections between different approaches to truth, our aim is to develop “informed, articulate, sensitive, responsible Christians.”

Summary of course requirements

Orientation (1 credit hour)

- Colloquium attached to another course..... 1

Communication skills (5-6 credit hours)

- Comm 202, Oral communication..... 2-3
- *College reading and writing course selected from two possible levels:* 3
 Engl 110, Literature and Writing
 Engl 210, Introduction to Literature

International/intercultural education (12-13 credit hours)

- Study-Service Term (SST) or alternate option 12-13
- Language proficiency through 102 level (or alternate) 0-8

Bible, religion, philosophy, and peace studies (9 credit hours)

- *Bible survey course selected from two possible levels:* 3
 Bibl 100, Knowing the Bible
 Bibl 200, Reading the Bible
- *Elective Bible or religion course* 3
 Any additional Bible or religion course except Greek or Hebrew languages (Bibl 201, 204)
- *PJCS or philosophy course selected from the following:* 3
 Phil 200, Introduction to Philosophy

Undergraduate programs : General education curriculum

Phil 302, Ethics and Morality
Phil 307, Asian Thought
PJCS 210, Transforming Conflict and Violence
PJCS 312, War, Peace and Nonresistance
PJCS 313, Violence and Nonviolence

Mathematics and natural science (6-8 credit hours)

Two courses, selected from any two separate areas below:

- *Mathematics* 3-4
 - Math 110, Mathematical World
 - Math 131, Mathematical Concepts for the Elementary Classroom
 - Math 141, Finite Mathematics
 - Math 170, Precalculus
 - Math 205, Discrete Mathematics
 - Math 211, Calculus I
- *Biological science* 3-4
 - Biol 100, Biological World
 - Biol 111 or 112, Biological Principles I or II
 - Biol 154, Human Biology
 - Biol 203, Human Anatomy and Physiology
- *Physical science* 3-4
 - Chem 100, Chemical World
 - Chem 101 or 102, Chemistry and Physics of Life I or II
 - Chem 111, General Chemistry
 - Phys 100, Physical World
 - Phys 154, Descriptive Astronomy
 - Phys 203 or 204, General Physics I or II

History and social science (6 credit hours)

- *History: one course from the list below:* 3
 - Hist 100, Human Stories
 - Hist 101 or 203, World History I or II
 - Hist 102, European History
 - Hist 105 or 202, American History I or II
- *Social science: one course from the list below:* 3
 - Econ 203, Principles of Microeconomics
 - PoSc 200, Introduction to Political Science
 - Psyc 100, General Psychology
 - Soc 100, Racial & Cultural Identities
 - Soc 200, Principles of Sociology

Physical Education (1 credit hour)

- PhEd 100, Wellness 1

Humanities (4 credit hours)

- *One course from the list below:* 4
 - Hum 220, Humanities: Literature and Art
 - Hum 221, Humanities: Literature and Music
 - Hum 222, Humanities: Theater and Literature
 - Hum 223, Humanities: Music and Art
 - Hum 224, Humanities: Music and Theater
 - Hum 225, Humanities: Art and Theater

Total credit hours 44-48

Exceptions and modifications

Education: All students seeking elementary or secondary education certification must take PJCS 210 for the PJCS/Phil requirement. Psychology of Education course meets

the social science general education requirement for education majors. See the education department pages for additional modifications for elementary education majors.

Nursing: Details about general education modifications for nursing students are available in department catalog pages.

DAES: Information about modified general education requirements is available from the DAES program director.

Other majors: See major planning guides for general education recommendations or requirements. Some courses can simultaneously meet requirements in both general education and a major or minor.

Internship and seminar in the senior year

Students in nearly every major participate in an internship during the senior year in which they apply academic learning to practical problem-solving or a position of employment. In addition, seniors enroll in a senior seminar appropriate to their major. Senior seminars integrate and synthesize learning from the entire college experience and guide students in exploring future vocations. Senior seminars also address ethical issues in the major field from a Christian perspective and sometimes include a major research project.

Descriptions and advising notes

Colloquium

All first-time first-year students enroll in a colloquium course in the fall semester at Goshen College. Colloquium, a one-credit-hour course attached to another 1-4 credit course, is a set of activities that introduces students to academic life. Most of the courses with colloquium attachments meet a general education core requirement. Class size is limited to 20 students, giving them close contact with a small group of other students and the professor.

Colloquium students learn about the resources and values of Goshen College, process the changes that happen at college and find encouragement to grow socially, spiritually, psychologically and academically. The colloquium class introduces competency requirements in information literacy and begins to document students' academic learning. The colloquium professor serves as academic adviser to students in the colloquium class for the first semester at Goshen College. Required of all transfer students with fewer than 15 credits of college courses.

Communication skills

Courses in this area build a solid foundation in reading, writing, speaking and thinking skills to be used throughout students' academic careers. Close, careful reading and effective speaking and writing are essential skills for academic success. The English classes include readings in classical and contemporary literature and writing instruction. Most students will select Engl 110. Engl 210 is for students with SAT Critical Reading or Writing scores of at least 630 or ACT English scores of at least 28 or for students who have earned AP or CLEP credit, but desire a stronger foundation in college-level reading and writing. Students who have not met the SAT Critical Reading or Writing score of 430 or the ACT English score of 19, or students whose GPA in high school English courses indicate a need for additional development of college-level writing and study skills, must take Engl 105 before Engl 110. The oral communication class involves practical speaking experiences from public speaking to interpersonal communication. Attention is given to communicating in a culturally diverse society and to an educated audience.

International/Intercultural education

The core requirement in international/intercultural education provides students with an opportunity to learn about the values and assumptions of their own and other cultures. Most students choose to meet this requirement by participating in the unique Study-Service Term, or SST program. International SST is a full semester of service learning in a country significantly different from the United States. Domestic SST is a new

option centered on the Latino community in northern Indiana. SST groups average about 20 students and are led by a Goshen College professor. International SST students live with host families; domestic SST students relate to local Latino families. Both groups study the language and culture of the host community and also engage in service placements. International SST units currently operate in Cambodia, China, Egypt, Jamaica, Nicaragua, Peru, Senegal and Tanzania. This core general education requirement may also be met through alternate intercultural coursework on campus. See a fuller description of both SST and other alternatives in the international education section of the catalog.

Study-Service Term abroad (13 credits)

Requires the following language proficiency as a prerequisite:

- French, Arabic, and Spanish SST units: 102-level in the language of the country; 102-level also required for American Sign Language unit in Jamaica.
- China, Cambodia and Tanzania: one elementary language course in the language of the country and either one course from the list of prerequisite courses in the international education pages or other foreign language competency at the 101 level or higher.

Domestic SST (12 credits)

Requires Spanish proficiency at the 102-level as a prerequisite.

Alternate SST (12 credits)

Requires one of the following ways to demonstrate language proficiency

- 102-level language proficiency or
- Comm 206, Communicating Across Cultures and 101-level language proficiency or
- two 101-level language courses (or proficiency).

In addition, students select 12 credits of courses from the approved list in the international education section of the catalog.

Bible/religion/philosophy/peace studies

Because Goshen College considers biblical literacy to be a foundational requirement for a well-rounded education, all students take a Bible survey course, either Bibl 100 (for students with little or no past experience with the Bible) or Bibl 200 (for students who are already familiar with biblical stories and concepts). For course descriptions, see the Bible, religion and philosophy department pages of this catalog. Placement tests are available at the beginning of each semester to help uncertain students determine which level is most appropriate for them. In addition to a Bible survey course, all students select one more Bible or religion class of their choice. Also, all students select at least one of the philosophy or peace/justice/conflict studies classes in the list of general education courses. Each of these courses broadens the knowledge base and cultivates critical thinking skills in students as they face both current and perennial issues. *Note: The preferred PJCS course for students not majoring in PJCS or related fields is PJCS 210.*

Mathematics and natural science

The core requirement in natural science is designed to help students understand the scientific approach to the pursuit of knowledge and the nature of the scientific community. Courses include laboratory experiences as well as classroom instruction. Since the ability to think quantitatively and reason accurately from data is a fundamental skill for every educated person, all students must meet a mathematics competency requirement. Competency may be established in three ways: SAT math score of 550 or ACT math score of 23, college credit in mathematics at the pre-calculus level or higher, or a passing score on the Goshen College math competency exam. Students who do not meet the minimum competency requirement must pass Math 105, Understanding Our Quantitative World, before taking general education courses in mathematics or natural science. All students choose at least one course from two of the three areas in the list of general education courses.

Note: The preferred mathematics course for students who do not have a mathematics requirement in their major is Math 110. Also note: Biol 112 and Phys 204 may be taken without Biol 111 or Phys 203 as prerequisites.

History and social science

Historical study reveals the roots of modern civilization. History is a form of inquiry and a way of knowing both the world and one's place in it. The social science core requirement allows students to become familiar with at least one approach to understanding human behavior in the context of contemporary society. Students select at least one of the history courses and at least one of the social science courses in the general education list.

Physical education

Everyone has both the challenge and the opportunity to improve and preserve health in body, mind and spirit. Toward this end, all students take PhEd 100, Wellness as part of the general education core. This course explores wellness in many dimensions: physical, mental and spiritual. It is taught in the physical education department in collaboration with Student Life professionals.

Humanities

The humanities – art, music, literature, theater and other fine arts – have long been a central part of a liberal arts education because they offer both an expression of and an inquiry into human experience. These interdisciplinary courses give students an opportunity to study the history of artistic expression while participating in artistic activities and examining the relationship between the arts and their own lives. Students select one humanities course from the general education list. Two or three courses will be offered each year.

International education

T. Meyers, Associate Academic Dean and Director of International Education

Introduction

Goshen College offers several types of international education. First is the general education requirement of a Study-Service Term (SST) or its equivalent in on or off-campus courses (Sections I and II). Second is a **Minor in international studies** (Section III). Third is a variety of other overseas educational opportunities offered by Goshen College or other organizations with whom we cooperate (Sections IV and V). In addition, the international student program described in the Student Life pages integrates international students with campus life.

For contacts and related information, visit the Study-Service Term Web site at www.goshen.edu/ssst.

I. The Study-Service Term (SST)

Program description

SST is a program designed to immerse students for one term in a culture significantly different from United States culture. Its goals for each student are to develop intercultural openness, communication in a variety of forms, thinking that is active and reflective, and understanding of self and others. Spanish SST units are offered in the Caribbean and South America. Currently, other international SST units operate in Cambodia, China, Egypt, Senegal and Tanzania. A new domestic Spanish SST experience is also available, based in northern Indiana. More details about this new Latino Studies program are available online.

Students choose a language area for SST in consultation with their academic adviser and spend one term in a location of that language, preferably during the sophomore year.

Students are urged to plan and sign up for SST participation upon entering college because spaces are limited.

At each location, Goshen faculty leaders arrange the academic program and give personal counsel to a group of up to 23 students. The first six weeks of the term are spent studying the language and culture of the host country or community. The faculty leader uses local resources to support a largely experience-based learning program: home stays, lectures, discussion, field trips, journal writing, readings, special projects and examinations. Library resources, although somewhat limited, are available at each unit. During the last six weeks of the term, students work in a field/service-learning assignment, usually in a rural area. Throughout the term, students in international SST live in homes of the host country and eat at least two meals daily with their “families.” Domestic SST students relate to a host family, but do not live with them. See www.goshen.edu/sst/ for more information.

Participation in SST is an educational privilege for those whose recent performance suggests that they are ready for the special challenge of SST. A screening process reviews the health and the academic and behavioral performance of all SST applicants throughout the preparation process until departure. On location, all SSTers are expected to follow both the standards of the college and the guidelines more specific to the norms of the host culture and host family.

Student fees in the Caribbean area, including travel costs, are the same as for a semester’s tuition, room and board on campus. Domestic SST costs are also the same as for on campus study. Units in other locations involve extra cost.

SST locations for 2010-2013 (tentative)

2010-11 Fall semester	Spring semester	Summer semester
<ul style="list-style-type: none"> • Egypt • Jamaica • Peru 	<ul style="list-style-type: none"> • Peru • Tanzania 	<ul style="list-style-type: none"> • Nicaragua • Peru • Latino Studies

2011-12 Fall semester	Spring semester	Summer semester
<ul style="list-style-type: none"> • China • Peru 	<ul style="list-style-type: none"> • Peru 	<ul style="list-style-type: none"> • Nicaragua • Peru • Senegal • Latino Studies

2012-13 Fall semester	Spring semester	Summer semester
<ul style="list-style-type: none"> • Egypt • Jamaica • Peru 	<ul style="list-style-type: none"> • Peru • Cambodia 	<ul style="list-style-type: none"> • Peru • Nicaragua • Latino Studies

Credit hours and evaluation

• Foreign language	4
• Intercultural communication	3
• History and Culture of [country]	3
• Arts and Literature of [country]	2
• The Natural World of [country]	1

Students will receive a letter grade for each program component.

Prerequisites for SST

Students are responsible for completing these essential prerequisites prior to SST. The director of international education must approve any exceptions

1. Students participating in French, Arabic or Spanish units need to establish 102-level competency (by course or test) in the language of the country.
2. Students participating in any other foreign language unit will complete one elementary course in that language, offered on campus especially for that SST group prior to departure, and one course selected from any other language or from the following list. Whenever possible, students should elect a course from the specific region of their SST unit.
 - Bus 350, International Business
 - Comm 206, Communication Across Cultures
 - Econ 306, International Economics
 - Econ 308, Introduction to Economic Development
 - Engl 201, World Literature
 - Engl 310, Introduction to Linguistics
 - Hist 240, History of Global Poverty
 - Hist 340, Religious History of Africa
 - Hist/WoSt 330, Gender in World History
 - Hist 335, History of Ethnic Conflict
 - Hist 350, African History
 - PoSc 308, International Politics
 - Phil 307, Asian Thought
 - Rel 220, World Religions
 - Rel 317, Islam
 - Rel 323, Judaism
 - Soc 230, Cultural Anthropology
 - Soc 334, Race, Class and Ethnic Relations
 - Soc 340, African Societies and Cultures

II. Alternate ways to meet the international education requirement

A. Approved study-abroad programs

The approved study-abroad programs described in Section IV may be used toward the alternative to the SST. Students may receive SST alternate credit for language courses at the 200-level or higher in an approved study abroad program. If the student has already met the SST prerequisite, 100-level language study in a second language may also count as an alternate. Approval must be granted by the director of international education.

B. Other international and cross-cultural options

This program is designed for those whose needs call for an experience different from the full three-month SST unit abroad. While immersion in another culture through SST comes nearest to our ideal for an integrative experience in international education for most students, we intend other options to promote the same learning outcomes as SST. Through courses on the Goshen campus, experiences and resources in the surrounding community, and where possible participation in shorter seminars abroad, this program includes a serious study in culture, encourages an interdisciplinary service learning component and invites an integrative activity to bring the various components into a meaningful whole. B.S. Nursing students who desire an alternative to the SST program should see the nursing department information in this catalog for a modification of the requirements below.

Required prerequisite: Two units of foreign language and culture which may be completed in any one of the following ways:

Undergraduate programs : International education

- 102-level course or proficiency in any foreign language
- 101-level language plus Comm 206
- two 101-level courses in any foreign language (credit or proficiency)

Additional 12 credit hours in courses selected from the list of “SST alternate” courses below. These courses may not also count toward major, minor or other general education requirements. With assistance from advisers, students are encouraged to plan an integrated program to meet particular educational goals rather than to select courses based on random interest. The following list of international-studies courses may be supplemented with one-time courses approved by the dean and the director of international education. Some courses are offered in alternate years.

- ASL 104, North American Deaf Culture
- Bus 350, International Business
- Bus 375, Business in Spain
- Comm 206, Communicating Across Cultures
- Econ 306, International Economics
- Econ 308, Introduction to Economic Development
- Engl 201, World Literature
- Engl 207/307, Literature of Ethnicity, Gender, Race (not women or Mennonite topics)
- Engl 310, Introduction to Linguistics
- Hist 240, World Geography
- Hist 255, History of Global Poverty
- Hist/WoSt 330, Gender in World History
- Hist 335, History of Ethnic Conflict
- Hist 340, Religious History of Africa
- Hist 344, Latin American History
- Hist 350, African History
- Hist 375, Topics: History of the Southwest
- Intl 250/350, Intercultural Service-Learning (see description below)
- MCLL 375, Spain and Morocco
- PJCS 320, Borderlands
- PoSc 308, International Politics
- PoSc 318, Latin American Politics
- Phil 307, Asian Thought
- Rel 220, World Religions
- Rel/Soc 315, Religion in Culture and Society
- Rel/PJCS 316, Liberation Theologies
- Rel 317, Islam
- Rel 323, Judaism
- Soc 220, Human Origins/Human Nature
- Soc 230, Cultural Anthropology
- Soc 334, Race, Class and Ethnic Relations
- Soc 336, Latin American Societies and Cultures
- Soc 340, African Societies and Cultures
- Spanish courses, any 300-level or above

Intl 250, 350 Intercultural Service-Learning 1-6

A field assignment in an intercultural setting through an approved voluntary-service agency. Arranged by the student with the international education director.

C. Modified program for students with other intercultural experience

Although most North American students who have considerable intercultural experience participate in SST, some may qualify for a reduced international education requirement. Students must meet one of the following requirements:

1. Live in another country outside the United States or Canada at least six months after completing high school.
2. Live in another country outside the United States or Canada for at least two years after the age of 12.
3. Participate in an organized service program operated by a church or service agency in a cultural group significantly different from one's own, for a period of at least six months.

If ANY one of the above conditions is met, the student must then:

1. Meet the standard language prerequisite to SST (See II.B.)
2. Earn six credit hours in international studies courses from the above options. Three credit hours of language learned in a foreign country may count as part of the six credit hours.

D. Exemption from SST

1. Students who have had significant intercultural experience throughout their life prior to enrolling at Goshen College may be exempt from SST. These students will be assessed on a case by case basis by the director of international education.
2. Studying in the United States meets the international education requirement for international students, though they are encouraged to seek service experience in this country. They may participate in SST, but any GC grants to international students may not be applied to SST.

III. Minor in international studies

Program director and adviser: T. Meyers, Associate Academic Dean

9-17 credit hours, in addition to a semester of SST

- Language prerequisite for SST (credits or proficiency) 0-8
- Any three approved "SST alternate" courses from the list above 9

Planning and advising notes

This minor is available only to students who have had SST or an equivalent semester of study abroad. For students with SST in east Africa, China, or Cambodia, the alternate SST language prerequisites may be used. The course work is recommended for after SST, but courses taken before SST do apply.

The three "SST alternate" courses may not overlap with requirements in any major or any other minor.

If the international studies minor is selected as one of the three areas of study in an interdisciplinary major, 15 credit hours of courses must be selected from the "SST alternate" list to complete that area of study.

IV. Other study abroad options with Goshen College

During the May term or summer, Goshen College may offer special courses abroad. Locations vary, but in the past they have operated in England, Ireland, France, Germany, Italy, Spain, the Middle East, Colombia, Guatemala, Mexico and Perú. Credits may be earned in several areas, among them language, history, literature and peace studies. Some credits may apply as international study options (II-B).

V. Study abroad with other international programs

Study abroad is available at colleges or universities in many different countries. Special application must be made on forms available from the international education office. Goshen College students have access to approved study-abroad programs through affiliations with the following organizations:

- Schools that are members of the Council of Mennonite Colleges
- Brethren Colleges Abroad (BCA)
- Council on International Educational Exchange (CIEE)
- Council of Christian Colleges and Universities (CCCU)

Undergraduate programs : Collegiate studies program

- Lithuania Christian College (LCCU)
- Central American Study and Service (CASAS) in Guatemala

Goshen College students in these affiliated programs will be registered as students at Goshen College in absentia. Credit may count for international education requirements only with the approval of the director of international education. Approval for credit equivalency does not mean that Goshen College financial aid will apply, but sources of financial aid outside of Goshen College are available.

Financial aid policies

For the list of affiliated international study programs in the previous paragraph, sources of student financial aid and scholarships are limited to funding outside of Goshen College such as Pell Grants, state grants, outside scholarships, church aid and Guaranteed Student Loans.

Only when the international program is required by the student's major and there is no alternative available on campus may Goshen College scholarships and financial aid be used. An application must be submitted and the major must be declared by spring advising days prior to the year of off-campus study. Contact the director of student financial aid for more information.

Programs which are not on the approved list above may be eligible for credit transfer, but students who choose to enroll in programs that have no affiliation with Goshen College cannot apply for any sort of financial aid through Goshen College.

Collegiate studies program

Director, R. Peterson-Veatch, Associate Academic Dean

The department of collegiate studies is a collaboration between Student Life faculty and academic faculty. It has three tasks: first, to help students adjust to academic life at the college level; second, to help students select courses, majors and minors so that they can make progress toward a degree; and third, to provide career counseling for all students.

All Goshen College faculty members have an interest in this department because students' success at Goshen College depends at least in part on their making wise decisions about majors and careers and responding to a sense of vocation.

The department itself offers neither a major nor a minor; instead, it offers these services:

- An academic home for all first-year students during their first semester and for continuing students who are deciders (those students still in the process of selecting a major)
- Coordination of the colloquium program for first-year students during their first semester
- Academic advising for all deciders
- Workshops, advising guidelines and career counseling services for all students

Colloquium

Introduces new college students to the Goshen College learning community. Required of all first-year students when they enter college during the fall semester. Colloquium activities add an extra credit hour to existing courses. See the Student Life and General Education sections for more details.

Courses

DCS 210 Career Exploration 1

An interactive exploration of career decision making. Introduces students to the concepts of career, life planning and vocation through identifying strengths, clarifying values and

self-evaluation. Career services director and guest speakers provide information about educational and career options. Lectures and discussion.

Special programs

Adult programs

Bachelor degree programs with majors in organizational leadership and nursing are offered in the evening. For more detailed information, see the Division of Adult and External Studies (DAES) section.

Center for Intercultural Teaching and Learning

The Center for Intercultural Teaching and Learning, known as CITL, was established with a grant from Lilly Endowment. It has three main areas of activity:

- **Research** - CITL is conducting research on the dynamics behind the changing ethnic composition in a rural Midwest community and its implications for higher education.
- **Educational Access** - CITL is working to make a Goshen College education accessible to Latino students and in the process enabling the college to better serve other culturally diverse students.
- **Transformed Learning Community** - CITL is creating an intercultural learning community for all Goshen College students that prepares them for communication, understanding and collaboration needed in the 21st century.

See <http://citol.goshen.edu/> for more information.

Honors opportunities

The academic ethos at Goshen College is rigorous and engaging. Requirements for the Dean's List and the Latin Honors system for graduates are described in the Academic policies section of the catalog. Two special honors opportunities are described below.

Academic Symposium

An annual Academic Symposium features exemplary student research and writing. The symposium brings together students and faculty members involved in original research and scholarly activity from all disciplines. A selection of papers representing the quality of student research at Goshen College is published on the Academic Symposium Web site: [http://www.goshen.edu/honors/Research Symposium](http://www.goshen.edu/honors/Research_Symposium).

Maple Scholars

Each summer the Maple Scholars program supports numerous student-faculty research partnerships. Maple Scholars is an eight-week program that gives students the opportunity to participate in independent research alongside Goshen College faculty of various disciplines. Each scholar is paired with a faculty member who works with and supervises individuals to help carry out their work. Students who are selected as Maple Scholars live in campus housing and receive a stipend See www.goshen.edu/academics/maple_scholars.php for more details.

Indianapolis Peace Institute

Goshen collaborates with Earlham and Manchester colleges to offer an urban peacemaking experience. The city of Indianapolis is the classroom. The peace house program combines a living and learning experience with other college students, academic study and an internship at an Indianapolis agency. A 14-week, 15-credit program in fall or spring semester. Summer internships also available. For more information, contact a PJCS faculty member, the director of international education, or see <http://www.indianapolispeaceinstitute.org/>

Merry Lea Environmental Learning Center

Owned and operated by Goshen College, the Merry Lea Environmental Learning Center is a 1,150-acre complex of fields, forest, bogs and meadow located 30 miles south of the campus. Opportunities are available for field research in natural sciences as well as teaching internships in outdoor education. More than 6,000 K-12 children each year are guests at Merry Lea. Facilities include an environmental-education building that houses a classroom, offices and library, a Farmstead, a pavillion, and some housing with overnight accommodations. Rieth Village, a set of "green" collegiate laboratory/residence buildings was completed in 2006. Rieth Village received a Platinum award, the highest level possible, from the U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) rating system. LEED buildings are required to meet rigorous standards in areas such as enery efficiency, water management, use of recycled materials and indoor air quality. Merry Lea offers undergraduate courses in environmental science and education. A master's degree program in environmental education began in 2008. See www.goshen.edu/merrylea/ for more information.

Goshen College Music Center

The Goshen College Music Center, opened in 2002, is a beautiful award-winning facility with excellent acoustics. The Music Center contains the 1,000-seat Sauder Concert Hall, 300-seat Rieth Recital Hall, rehearsal rooms, classrooms, practice rooms, and offices. The Hershberger Art Gallery features rotating exhibits by guest artists, faculty and students. The Music Center hosts a popular annual Performing Arts Series with world-class performers as well as dozens of other concerts. The Community School of the Arts, based in the Music Center, offers piano lessons, Suzuki string lessons, children's choirs and other musical activities to more than 300 families. The Acorn Project provides subsidized music lessons for low-income families. String orchestra opportunities are also offered for home-schooled students and older adults. More information is available at www.gcmusiccenter.org.

Off-campus May-term courses

Each May-term, marine biology courses are offered at Goshen College's marine biology facility on Long Key in Florida. Most other courses in the list below are offered every two years. Off-campus May term courses offered by Goshen College in 2006-09 were:

- Anabaptist/Mennnonite History in Europe
- The Arts in London
- Biology of the Sea (Florida)
- Borderlands (Texas/Mexico)
- Business in Spain
- Camping and Recreation (Boundary Waters, Minnesota)
- Field Experience in Environmental Biology
- Marine Biology (Florida)
- Ornithology (Merry Lea)
- Religious Journalism
- Spain and Morrocco

Other off-campus programs

In addition to Goshen College SST and May-term courses, many other possibilities for off-campus study exist in cooperation with other colleges and universities. (See list below.) For information about registering for any of these programs, contact the associate dean and director of international education. Special off-campus program registration forms are available in the SST and registrar's offices.

Financial policies for off-campus programs

Special arrangements make it possible for students to register for Goshen College credit while participating in the programs below. However, since tuition and fees are collected and passed on to the other agencies or colleges, sources of student financial aid and

scholarships while enrolled in these programs are nearly always limited to outside funding such as Pell grants, state grants, non-Goshen College scholarships and Stafford Loans.

Goshen College tuition discounts, scholarships and direct financial aid can be used only when a sponsored program is required for a student's major and those requirements cannot be fulfilled without the sponsored off-campus experience (Spanish major, e.g.). For Goshen College financial aid to apply to required off-campus study, an application must be submitted and the major must be declared by spring advising days prior to the year of off-campus study.

To obtain information on financial aid, contact the student financial aid office. Academic credits earned in these sponsored off-campus programs are considered residential credits. However, these are not Goshen College programs. Therefore, May-term fees are charged for students who were off-campus in one of these affiliated programs during fall or spring semester.

Off-campus programs affiliated with Goshen College

- **Au Sable Institute of Environmental Studies** offers summer programs in Mancelona, Mich., and other locations. Contact the environmental science director for more information or see www.ausable.org.
- **Brethren Colleges Abroad** offers academic-year and half-year programs in Europe, Asia and South America. Contact Spanish professors for more information or see www.bcanet.org.
- **Central American Study and Service (CASAS)** in Guatemala offers semester or summer programs in Spanish and Central American studies. See <http://semilla.org.gt/> for more information.
- **Chicago Center** offers semester and summer programs in Soc 302, Urban Diversity and many internship possibilities. Because of special financial arrangements with this program, students who spend the fall or spring semester at Chicago Center are not charged extra for May term tuition at Goshen. See www.chicagocenter.org for more information.
- **Council for Christian Colleges and Universities (CCCU)** offers various semester and summer programs. For further information, see www.bestsemester.com. Semester programs of CCCU include the Los Angeles Film Studies Center. Located near major production studios, the program combines seminar courses with Christian context and a liberal arts perspective. Participation in this program is required for theater and communication majors who elect a film studies concentration.
- **Council on International Education Exchange** offers many academic-year and half-year programs in Europe, Asia and Latin America. See www.ciee.org for more information.
- **Lithuania Christian College** has summer TESOL internships and semester study opportunities. See www.lccbc.org for more information.
- **Oregon Extension**, in an old logging camp, offers an interdisciplinary fall semester and a women's studies May term for students from Christian colleges. Contact www.oregonextension.org for more information.
- **Washington Community Scholars Center**, sponsored by Eastern Mennonite University, has semester, year-long or spring/summer programs available in Washington, D.C. Includes significant internship experience and course work at a nearby university. See www.emu.edu/wcsc for more information.

Division of adult and external studies (DAES)

M. Moretto, Director of DAES

Introduction

The Division of Adult and External Studies offers quality education designed for adult learners. It reflects the distinctive standards of academic excellence, in a friendly environment of professional support, that characterizes Goshen College. Two different majors are available:

- [Organizational leadership](#)
- [B.S.N. completion](#)

The organizational leadership program prepares learners to lead effectively within an organization. Through a thoughtful blend of theory and application, learners are able to understand what works – and why. Solid textbooks, experienced faculty, and the formal and informal life experiences of participants enable learners to be challenged to grow as leaders – and as people. Visit the DAES Web site at www.goshen.edu/daes.

The bachelor of science in nursing program is for persons who have already completed an R.N. program. For more information about the R.N. to B.S.N. program, including specific graduation requirements, see the nursing department pages.

Organizational Leadership Program faculty members are full-time professors at Goshen College or adjunct professors from local businesses who teach in their area of expertise. For nursing faculty, see the Goshen College nursing department pages.

Admission information

Degree completion programs are designed for adult learners who are working full time. Classes meet once a week in evening hours. Students must have three to five years significant life or work experience, around 60 semester hours already completed, demonstrate mastery of basic computer skills, provide a satisfactory writing sample, references and have a C average in all prior work.

Students graduating in this department must earn 120 semester hours with a 2.0 grade point average on courses completed at Goshen College. General education requirements must be completed as follows: English composition (3), literature/fine arts/foreign language (3), natural science (3), social science (3) and history (3).

In addition to the 40 credit hours earned in the core courses, students may earn up to 20 additional credit hours by Credit for Prior Learning. Students may transfer up to 20 credits from their military service. These must be lower or higher level credits, not vocational credits. Credits can also be obtained using DANTES and CLEP tests. Goshen College is a test center for both exam programs.

Major in organizational leadership

40 credit hours

OLP 300 Effective Communication 3

This course develops and enhances general and professional writing skills. Clear, concise, well-edited writing is emphasized. Course content includes selecting appropriate writing formats for specific situations and practicing various writing strategies to promote clear thinking and effective communication. Life-learning essays and professional writing assignments are included in the course requirements. (five weeks)

OLP 301 Individual and Group Dynamics 3

This course examines the question: what factors combine to determine individual and group performance in an organization? Individual and group dynamics are examined in the context of the adult learning environment as well as the work environment. The

internal and external environment of the worker in modern organizations is explored. Motivation is studied as a consideration of personality, attitudes, perception, roles and environment. (five weeks)

OLP 307 Managerial Accounting 3

The acquisition, analysis and reporting of financial information is important to the individual leader and the organization. Special attention is given to the planning and control responsibilities of practicing managers. Students gain confidence in their ability to interpret and use financial information for more effective decision making. (five weeks)

RELN 305 Enduring Issues in Christian Perspective..... 3

Examines the biblical heritage and major doctrines of Christian faith. Explores basic issues such as individualism and community, personal decision-making, social justice and relating to other religious traditions. Class members will be challenged to think through their own responses to these issues. (five weeks)

OLP 308 Economic Environment of Organization..... 3

This course focuses on the role of prices and markets in the modern, mixed free-enterprise economy. Students consider economic tools needed to better understand economic policy debates and make better choices as leaders. (five weeks)

OLP 309 Leading & Serving Multicultural World..... 3

The modern workforce is rapidly becoming a mosaic of colors, languages, cultural traditions and values. This demographic reality poses an immense challenge for both workforce and leaders. The goal of this course is to better understand different cultural values and styles, to recognize one's own biases and assumptions and to value diversity. (five weeks)

OLP 312 Organizational Theory 3

Humans are immersed in organizations; to a large extent they form our lives. This course introduces the history of organizational development and examines how and why organizations change. It covers organizational task goals of planning, organizing and control. (five weeks)

OLP 401 Organizational Cultures 3

This course introduces the concept that organizational culture is the sum total of the written and unwritten assumptions that an organization has learned and used throughout its history. The role of culture in young corporations, mid-life and mature organizations is considered. Consequences to organizational culture in a time of acquisitions, mergers and joint ventures are examined. (five weeks)

OLP 403 Leadership Theory & Development..... 3

This course focuses on providing theoretical foundations and conceptual principles for leadership and skills necessary to practice leadership competently. Activities are designed to enhance leadership self-awareness, encourage development of personal perspectives on leadership and prepare students to address leadership challenges. The course reviews historical and current perspectives on leadership and considers how leaders use influence to direct and coordinate the activities of group members. (five weeks)

OLP 410 Ethical Issues in Leadership and Organization 3

This capstone course considers the responsibilities of both leaders and organizations. Attention is given to three distinct but related themes: the social responsibility of organizations, public policy toward business organizations and leadership ethics. Students are challenged to make ethical analysis a routine part of their decision-making

Undergraduate programs : Division of adult and external studies (DAES)

framework. Case studies explore the reality of the multiple, competing claims placed on the leader and the organization. (five weeks)

OLP 412 Leading & Managing Change..... 3

Organizations today function within a dynamic environment marked by rapidly changing technologies, globalization of markets, the “knowledge enterprise” and an increasingly diverse workforce. Leaders of organizations must understand the change process, appropriate responses to change, conflict resolution and how to develop strategies for the future. Rethinking competition, leadership and markets is an essential exercise as leaders search for new paradigms that will govern organizations now and in the future. (five weeks)

OLP 420 Strategic Planning, Action, Measurement 3

This course addresses strategic issues in running a business enterprise. Effective strategy-making and strategy-execution are the key ingredients of company success and the most reliable signs of good leadership. The basic concepts and tools of strategic analysis and business research are presented, utilizing case studies and simulation problems. (five weeks)

OLP 450 Leadership Project..... 4

This project provides opportunity for students to integrate classroom theory with practical experience by identifying an opportunity to lead through service within an organizational setting – either the student’s workplace or a public benefit organization. Students work with a faculty mentor to structure the learning, coordinate with the cooperating organization and assess the level and significance of their learning. The findings or outcomes of the project will be presented on the last two nights of the program schedule. (12 months)

B.S.N. Completion

For more information about the R.N. to B.S.N. completion program, including specific graduation requirements, see the [nursing department catalog page](#).

Academic departments and courses

Art

Professors J. Blosser, M. Krabill (chair)
Associate Professors R. Horst, J. Mishler
Assistant Professors A. Berry, K. Glick

Introduction

The art department offers the following programs:

- Major in art
- Minor in art
- Minor in graphic design
- Minor in multimedia communication
- K-12 visual arts teaching certification
- Six possible concentration areas.

Visit the art department website at www.goshen.edu/art.

Career and post-graduate opportunities

Art graduates are currently working as elementary and secondary school art teachers, architects, graphic designers, designers in industry and business, art therapists, free-lance artists, college teachers, fashion designers, interior designers, museum curators, photojournalists and production crafts persons and fine artists.

Major in art

33 credit hours

- Art 101, Drawing 3
- Art 107, Design 3
- Art 202, Painting 3
- Art 205, Figure Drawing 3
- One 3-D course selected from the following: 3
 - Art 204, Ceramics
 - Art 206, Sculpture
 - Art 217, Jewelry
- Art 341, History of Art I 3
- Art 342, History of Art II 3
- Art 409, Senior Exhibit 1
- Art 410, Senior Seminar 3
- Thea 245, Aesthetics 3
- Art concentration area (options below) 5

Concentration areas (at least 5 credit hours in one area)

Graphic design

Art 108, Art 208, Art 308, Art 408, Art 203, Art 207, Art 301/401, Art 315, Art 343, Art 355; Bus 336, Advertising; Bus 121, Introduction to Entrepreneurship; Engl 204, Expository Writing; Comm 212, Broadcast Media Production I; Comm 255, Photo Communication; Comm 326, Creating for the Web; Art/Comm 375, Animation.

Production crafts

Art 206; Art 312; Art 343; Art 355; 9-15 hours ceramics or jewelry; Bus 121, Introduction to Entrepreneurship; 328, Venture Planning; Acc 201 and 202, Accounting.

Studio art

For students preparing for graduate school or a career as a studio artist. Art 312; Art 343; Art 355; 9-15 hours in selected studio courses in two- or three-dimensional media. Engl 204, Expository Writing. Selections from history, French, philosophy and anthropology.

Visual arts education (K-12)

In addition to the required courses outlined above, these course are also required for teacher certification: Art 108, Art 255, Art 312; and six credits advanced study in a medium as preparation for the senior exhibit. Also 30 credits in education, including student teaching during fall semester of the senior year. PJCS 210 is required for the PJCS/PHIL general education requirement. For more details see visual art and secondary education pages of the *Teacher Education Handbook*.

Pre-Architecture

Pre-graduate school program. For a master's degree in architecture, an undergraduate major in art is recommended, along with selected electives in other areas. Additional courses usually required include: Art 108; Art 355; studio art classes; Math 211, Calculus I; Phys 203 or 204, General Physics; and two history courses chosen from Hist 101, 102, 203 or one of the humanities courses. In addition, courses in sociology, psychology, communication skills and business are strongly recommended, along with cross-cultural experience.

Art therapy

Pre-graduate school program. Art 204; Art 206; Art 207; Art 217; Art 312; Art 355; Art 412; Psyc 210, Developmental Psychology; Psyc 306, Abnormal Psychology.

Curatorial studies

Pre-graduate school program. Art 312; Art 343; Art 355; Art 412; Bus 121, Introduction to Entrepreneurship; Comm 324, Principles of Public Relations; Engl 204, Expository Writing; selections from history, French, philosophy and sociology/anthropology.

Planning guide

First year

Drawing
Design
Painting
Any art 3-D media course
General education courses

Second year

Figure Drawing
Balance of remaining first-level studio courses
Begin art concentration courses
Aesthetics (offered on alternate years)
General education, including SST

Third year

History of Art
Art concentration courses
General education

Fourth year

History of Art
Remaining major courses, concentration courses and electives
Remaining general education and electives
Senior Exhibit
Senior Seminar

Planning and advising notes

At least one, but no more than two studio art courses are recommended per semester. At least 75 non-art credit hours are required for a Goshen College degree.

Minor in art

20 credit hours

- Art 101, Drawing 3

- Art 107, Design or Art 202, Painting 3
- History of art: Art 341, Art 342, or Art 343 3
- 11 credit hours of art electives; 5 or more must be upper level (300 and above) 11

Minor in graphic design

20-21 credit hours

- Art 101, Drawing 3
- Art 107, Design 3
- Art 108, Digital Design 3
- Art 208-308, Graphic Design I & II 6
- History of art: Art 341, Art 342, or Art 343 3
- One elective course selected from the following: 2-3
 Art 255, Photo Communication
 Art 408, Graphic Design III
 Bus 336, Advertising

Note to art majors: A third art history course is not required for art majors to complete this minor. Instead, an additional three credit hours may be selected from the elective options above.

Minor in multimedia communication

18 credit hours

See the [communication department](#) pages for a full description of this minor, which represents a collaboration between art and communication departments.

Art courses

ART 101 Drawing 3

Fundamentals of drawing as applied to pictorial organization. Emphasis placed on rendering skills: the use of line, value and perspective balanced by expressive approaches. Includes the use of various dry and wet media. Encouraged as a first course in art.

ART 107 Design 3

A beginning course focusing on art elements and principles. Through experimentation, exercises, specific problems and using basic media and techniques, the student becomes familiar with fundamental visual concepts. Studio experience, critique and some research/writing are included. Encouraged as a first course in art.

ART 108 Digital Design 3

This course in visual expression and communication will introduce students to relevant computer programs including Adobe InDesign, Adobe Illustrator and Photoshop. Through exercises, projects and critiques, students will learn both creative visual design and technical aspects of computer-generated images and composition.

ART 202 Painting 3

The first course in painting is an introduction to the use and control of acrylic medium with a dominantly perceptual approach. Emphasis on technique, color and composition. Advanced courses emphasize independent investigation leading to personal expressions in oil paint.

ART 203 Watercolor 3

Through studio activity, a wide range of subject matter and techniques are explored. Skill and control of the medium are developed through numerous painting exercises.

ART 204 Ceramics 3

In the first term, students use a variety of methods to create forms in clay, including hand

building and the potter's wheel. Both sculptural and functional forms, glazing and firing are learned.

ART 205 Figure Drawing 3
 Studio based on the human figure, using a variety of drawing media and techniques, brief and sustained poses. Further development of perception and knowledge of the human figure stressed in advanced work. Features a variety of media, the relationship of figure to ground and a variety of conceptual approaches. Prerequisite: Art 101.

ART 206 Sculpture 3
 Exploration of sculpture media and techniques. Includes verbal interpretation and research of sculptors.

ART 207 Printmaking 3
 The study of relief and intaglio techniques. Includes a brief introduction to monoprinting. Advanced work directed toward experimental techniques and skill development. Individual and group critiques.

ART 208 Graphic Design I 3
 Students are introduced to the elements and principles of graphic design/visual communication. Emphasis will be placed on the aesthetic use of typography and image in the development of projects in publication, poster and advertising design. This course will also provide an historical overview of the influences and movements in the field of typography. Prerequisite: Art 108.

ART 217 Jewelry 3
 Three-dimensional design in metals including basic fabrication techniques, silver soldering, cold connections, stone setting, chain making and polishing processes. Includes study of historical and contemporary work in metal.

ART 255 Photo Communication 3
 (Cross-listed from Comm 255) A first course including camera work, digital image workflow and printing. Technical fluency, visual composition, photojournalistic approaches, and expression are components of the course. Students must provide a camera on which f-stop and shutter speed can be controlled.

ART 302 Painting 3
 Emphasis on technique, color and composition using oil paint. Features study of the human figure, direct observational approach to a variety of problems and an investigation into abstract vocabulary. Emphasizes independent investigation leading to personal expressions. Prerequisite: Art 202.

ART 303 Watercolor 3 (1-3)
 Through studio activity, a wide range of subject matter and techniques are explored. Skill and control of the medium are encouraged through practice. Prerequisite: Art 203.

ART 304 Ceramics 3
 Second-term students continue skill and concept development. More advanced work in glazes and firing is also required. Prerequisite: Art 204.

ART 305 Figure Drawing 3 (1-3)
 Studio based on the human figure, using a variety of drawing techniques, brief and sustained poses. Further development of perception and knowledge of the human figure stressed in advanced work. Features a variety of media, the relationship of figure to ground and a variety of conceptual approaches. Prerequisite: Art 205.

ART 306 Sculpture 3 (1-3)
 Exploration of sculpture media and techniques. Includes verbal interpretation and research of sculptors. Prerequisite: Art 206.

ART 307 Printmaking 3 (1-3)
 A deeper study of techniques. Advanced work directed toward experimental techniques

and skill development in media of choice. Individual and group critiques. Prerequisite: Art 207.

ART 308 Graphic Design II 3
Emphasis will be placed on corporate design. Students will design various symbols and identities and carry the visuals through to stationery, packaging, advertising and various other marketing projects. Production standards for layouts, inks and paper and the printing process will also be studied. This course will also provide an historical overview of the influences and movements in the field of graphic design. Graphic design courses must be taken in sequence. Prerequisite: Art 107, Art 108, Art 208 or consent of instructor.

ART 312 Teaching Visual Arts 3 (3-4)
A methods course introducing the issues, concepts, philosophy and content of teaching art for art education students (K-12) or others with an interest in teaching art in other settings. Emphasis on curriculum and lesson planning, reading in art education, art classroom management and evaluation. Includes field work. All art majors strongly encouraged to take this course. Visual art education majors must take it for 4 credits; others may take it for 3 credits.

ART 315 Photography 3
The study of photography as an expressive art form. Includes further study in artistic, technical, and/or commercial areas of photo imaging. Prerequisite: Comm/Art 255.

ART 317 Jewelry 3 (1-3)
Three-dimensional design in metals that builds on the basic metals techniques presented in Art 217, focusing on continued concept and technical skills and lost wax casting or enameling processes. Includes study of historical and contemporary work in metal. Prerequisite: Art 217.

ART 330 Media Workshop: 3
A course that explores in depth a single medium or process such as metal casting, raku, papermaking, weaving, kiln building, silk screen and airbrush. Prerequisite: Art 107 or 202 or 204 or 217.

ART 341 History of Art I 3
A survey of historical art from prehistory through the Middle Ages. Lecture. Offered alternate years with Art 342.

ART 342 History of Art II 3
Historical survey of art from the Renaissance to the mid-20th century. Lecture. Offered alternate years with Art 341.

ART 343 Contemporary Art History 3
A survey of major art movements, architecture and artists since the mid-20th century. Offered alternate years with Thea 245.

ART 355 Arts in London 4
(Cross-listed from Thea 355) A May term class that encompasses theater, art and music study and experiences in London, England. Class activities include morning lectures, visits to art galleries, attending music and theater performances, and day trips to Coventry, Stratford-upon-Avon, Salisbury and other locations. Daily writing assignments and a major project required. Offered in alternate years. Extra cost.

ART 375 Animation 3
(Cross-listed from Comm 375) Focuses on digital animation. Students will learn the skills needed to bring characters to life as well as create visual effects using computer software. Issues in the international contemporary visual culture will also be studied. Prerequisite: Comm 326.

- ART 402 Painting** 3 (1-3)
 Emphasis on technique, color and composition. Emphasizes independent investigation leading to personal expressions in oil paint. Prerequisite: Art 302 and Art 101 or Art 107.
- ART 403 Watercolor** 3 (1-3)
 Emphasizes independent investigation leading to personal expressions. Prerequisite: Art 303 and Art 101 or Art 107.
- ART 404 Ceramics** 3 (1-3)
 Advanced students develop personal styles. Prerequisite: Art 304 and Art 101 or Art 107.
- ART 405 Figure Drawing** 3 (1-3)
 Studio based on the human figure, using a variety of drawing techniques, brief and sustained poses. Further development of perception and knowledge of the human figure stressed in advanced work. Features a variety of media, the relationship of figure to ground and a variety of conceptual approaches. Prerequisite: Art 305.
- ART 406 Sculpture** 3 (1-3)
 Exploration of sculpture media and techniques. Includes verbal interpretation and research of sculptors. Prerequisite: Art 306 and Art 101 or Art 107 .
- ART 407 Printmaking** 3 (1-3)
 A deeper study of techniques. Advanced work directed toward experimental techniques and skill development in media of choice. Individual and group critiques. Prerequisite: Art 307 and Art 101 or Art 107.
- ART 408 Advanced Graphic Design** 3 (1-3)
 Students concentrate on developing skill in various areas of interest. Projects from GC and the Goshen community are used with input and critique from students and instructor. Projects are chosen with the purpose of developing experience in working with clients and portfolio development. Graphic design courses must be taken in sequence. Prerequisite: Art 308 and Art 101 or Art 107.
- ART 409 Senior Exhibit** 1
 A senior exhibition emphasizing studio work in an area in which the student has specialized and developed a personal style. Course includes gallery installation, publicity and education relating to the exhibit. Prerequisite: Six to nine hours in medium and consent of instructor. For art majors only.
- ART 410 Senior Seminar** 3
 Integrating creative endeavors, life's purpose and faith. Issues concerning professional, vocational, ethical, theological and historical dimensions of being an artist are explored. Prerequisite: Required of all senior art majors; consent of instructor.
- ART 412 Special Projects** 1 (1-3)
 Independent self-directed work or apprenticeship at an advanced level beyond that which is offered in regular courses or an internship related to an art concentration area. Prerequisite: consent of instructor.
- ART 415 Advanced Photography** 3 (2-3)
 Students follow individualized plans of study to prepare work for exhibition, or web use, and to develop skills needed prior to a field assignment in commercial or journalist photography. Prerequisite: Art 315 and Art 101 or Art 107.
- ART 417 Jewelry** 3 (1-3)
 Three-dimensional design in metals that builds on previous metals techniques with a focus on continued concept and technical skill development plus lost wax casting or enameling processes. Includes study of historical and contemporary work in metal. Prerequisite: Art 317 and Art 101 or Art 107.

Bible, religion and philosophy

*Professors K. Graber Miller (chair), J. Brant, J. E. Brennehan, P. Keim
Assistant Professor and Director of Youth Ministry R. E. Yoder*

Introduction

The Bible, religion and philosophy department offers the following programs:

- Major in Bible and religion
- Major in youth ministry
- Minor in Bible and religion
- Minor in youth ministry
- Certificate in biblical studies

More information is available at the department Web site at www.goshen.edu/bibrelphil.

The Bible and religion and youth ministry majors are designed to provide students with an introduction to biblical studies and the academic study of Christian and other religious traditions, while affirming their faith and orienting them toward the value that the Anabaptist tradition places upon the Bible and the church. The major requires courses on the content and methods of biblical study, church history, theology, ethics and philosophy, and culminates in a senior seminar in narrative theology.

Career and post-graduate opportunities

A major in Bible and religion is of particular value to students contemplating graduate study in Bible, religion or theology, mission and service occupations in the church or broader pastoral work. A major in youth ministry is designed as pre-seminary preparation for work in youth ministry or other church ministries

Recent graduates have gone on to become pastors, service workers, professors, hospital chaplains, teachers, journalists, public relations consultants, lawyers, farmers, computer analysts, musicians, artists, business executives, translators, and church administrators.

Regardless of their future occupations, majors are given a strong foundation for careful reading of texts, thinking theologically, considering the relevance of faith for their daily lives, and active participation in congregational life.

Major in Bible and religion

39 credit hours

- Bibl 300, Jesus and the Gospels 3
- Bibl 301, Hebrew Scripture 3
- Elective in Bible 3
- Rel 320, Christian Faith 3
- Phil 200, Introduction to Philosophy 3
- Phil 302, Ethics and Morality 3
- One of the following: 3
 Rel 318, Anabaptist/Mennonite History
 Hist 321, History of Mennonites in America
- One of the following: 3
 Rel 220, World Religions
 Phil 307, Asian Thought
 Rel 317, Islam
 Rel 323, Judaism
- Other courses in the department or related courses such as Hist 304, Psyc 314, or courses at AMBS, in consultation with the adviser 9
- Bibl/Rel 409, Internship 3

- Bibl/Rel 410, Seminar 3

Major in youth ministry

40 credit hours

- Bibl 300, Jesus and the Gospels 3
- Bibl 301, Hebrew Scripture 3
- Rel 210, Introduction to Youth Ministry 3
- Rel 320, Christian Faith 3
- Rel 374, Contemporary Issues in Youth Ministry 3
- One of the following: 3
 - Rel 318, Anabaptist/Mennonite History
 - Hist 321, History of Mennonites in America
- Course on worship selected from the following: 3
 - Rel 322, Worshipping Communities
 - Mus 311, Topics in Music Literature: Church Music
 - AMBS course in worship
- Rel 405, Spiritual Care and Healing 3
 - or AMBS course in spirituality or pastoral care
- PJCS 210, Transforming Conflict and Violence 3
 - or PJCS 325, Mediation: Process, Skills and Theory
- Educ 309, Educational Psychology: Secondary 3
 - or Psyc 210, Developmental Psychology
- Course on sexuality selected from the following: 3
 - Rel 330, Religion and Sexuality
 - Soc 210, Sociology of the Family
 - Soc 260, Human Sexuality
- PhEd 102, First Aid and CPR 1
- Rel 409, Internship 3
- Rel 410, Seminar 3

Planning guide

First year	General education Knowing the Bible or Reading the Bible
Second year	General education SST 200-300 level courses in major, Bibl 301
Third year	General education Upper-level courses in major, Bibl 300 Related courses
Fourth year	Balance of general education Balance of major Course at AMBS Internship Seminar

Planning and advising notes

Bible 100/200 may not be applied to the Bible and religion major. Students are encouraged to focus their plan of study by selecting electives in the following areas: ministry inquiry, religious studies, theology, biblical studies, philosophy. Suggestions are available from Bible, religion and philosophy department faculty advisers.

Bible and religion majors are strongly encouraged to take at least one course at Associated Mennonite Biblical Seminary (AMBS) in Elkhart, IN. One course per semester may be taken there as part of a full-time Goshen College registration. For AMBS course listings, see <http://www.ambse.edu/academics/courses>

Youth ministry majors are strongly encouraged to take one of the following: Rel 220, Introduction to World Religions; Rel 317, Islam; Rel 323, Judaism; or Phil 307, Asian Thought.

Minor in Bible and religion

18 credit hours

- Bibl 300, Jesus and the Gospels 3
- Bibl 301, Hebrew Scripture 3
- Elective in Bible 3
- Phil 302, Ethics and Morality 3
- Rel 320, Christian Faith 3
- Elective in religion or philosophy 3

Minor in youth ministry

18 credit hours

- Rel 210, Introduction to Youth Ministry 3
- Rel 374, Contemporary Issues in Youth Ministry 3
- PJCS 210, Transforming Conflict and Violence 3
- Two courses selected from the following: 6
 - Rel 320, Christian Faith
 - Bibl 300, Jesus and the Gospels
 - Bibl 301, Hebrew Scripture
- One course selected from the following: 3
 - Educ 309, Educational Psychology: Secondary
 - Psyc 210, Developmental Psychology
 - Rel 330, Religion and Sexuality
 - Soc 210, Sociology of the Family
 - Soc 260, Human Sexuality

Certificate program

A one-year certificate program is available in biblical studies. See the department chair or the registrar for more details.

Bible courses

BIBL 100 Knowing the Bible 3

This course will cover the basic narrative structure of the Bible, the main characters and themes and will address the following questions: How did the Bible come to be? How does one understand Scripture? In what contexts does one read Scripture? This course is for people with very little or no formal background in the Bible. Bibl 100 or 200 fulfills the lower-level Bible literacy general education requirement. Students who do not know which level to take are encouraged to take the placement test scheduled at the beginning of each semester or to consult with either Professor Brant or Keim.

BIBL 200 Reading the Bible 3

This course will focus upon questions of genre and composition and interpretation of the Bible and will address the following questions: How does genre affect how we read? How is doctrine derived from Scripture and how does it influence our own readings? How are various modern methodologies used to understand the Bible? How does one distinguish between opinion and reasoned interpretation? This course is for students who have studied Scripture in a formal setting such as in high school, Sunday school or academic courses and who know the basic narrative structure and main characters. Note: Students who take Bibl 100 cannot use Bibl 200 to satisfy the additional general education Bible and religion requirement. Bibl 100 or 200 fulfills the lower-level Bible literacy general education requirement. Students who do not know which level to take are encouraged to

take the placement test scheduled at the beginning of each semester or to consult with either Professor Brant or Keim.

BIBL 201 Elementary New Testament Greek 3

Basic vocabulary, verb structure and grammar of New Testament Greek; reading and translation in first chapters of the Gospel of John. This course does not meet the Bible/religion general education requirement. It may, however, meet the basic Bible literacy requirement for students who place out of Bibl 200 on the Biblical Literature placement test. Prerequisite: Bibl 100, Bibl 200 or equivalent.

BIBL 204 Hebrew Language and Culture 3

Students will work through a standard grammar of biblical Hebrew, building a working vocabulary of 600-800 words. Representative selections from the major genres of biblical Hebrew literature will be introduced. Attention will also be devoted to the cultural settings reflected in the texts. Offered alternating years with Bibl 201. This course does not meet the Bible/religion general education requirement. It may, however, meet the basic Bible literacy requirement for students who place out of Bibl 200 on the Biblical Literature placement test.

BIBL 300 Jesus and the Gospels 3

Study of the life and teachings of Jesus, focusing on the proclamation of the reign of God and Jesus' messianic identity as the Son of God. Examination of Jesus in his historical setting will be balanced with discussions of Jesus' call to discipleship and theological interpretations of the Gospels. Prerequisite: Bibl 100 or 200 or consent of instructor. BRP majors are encouraged to add a one-hour depth credit.

BIBL 301 Hebrew Scripture: 3

Content of this course will alternate every other year with one of the following topics. *Prophets.* A study of the important corpus of prophetic literature from the Hebrew Bible. Attention is given to historical, social, literary and theological features of the texts. Broad surveys of the prophetic writings will set the stage for close reading of selected oracles. Balancing the ethos of the Hebrew prophets with the demands these texts place on the contemporary audience keeps the Scriptural nature of this foundational material constantly in view.

Wisdom and Psalms. Alongside law, history and prophecy, the wisdom and poetry sections of biblical Hebrew writings give expression to the formative power of this significant literary, theological and social movement in ancient Israel. Primary attention will be given to the universal perspectives reflected in the books of Ecclesiastes, Proverbs and Job, with selective attention given to the wisdom corpus of the Apocrypha. Significant time will also be devoted to the laments, hymns, and pilgrimage songs of the book of Psalms. Prerequisite: Bibl 100 or 200.

BIBL 303 The Story of the Early Church 3

Students will follow the story from the death and resurrection of Jesus Christ to the decisions of the fourth-century Church councils. Attention will be given to the factors that account for the growth of the early church, such as its proclamation of Jesus' reign as a universal Lord, its offer of a happier and more secure life, and its invitation to become children of God. Students will also explore the rise and meaning of its various institutions including creeds, baptism, the Lord's supper, the clergy, and places of worship. Texts will include the Acts of the Apostles and Paul's letters as well as second-century Christian writings and the works of the early Church Fathers. Prerequisite: Bibl 100 or 200.

BIBL 304 Writings of John 3

A study of the theology, themes, literary structure and social world of the fourth Gospel. Special attention is given to unique contributions of the fourth Gospel to the New Testament canon, to our understanding of the Christ event and to Christian thought. Other Johannine writings are examined in relation to the Gospel. Prerequisite: Bibl 100 or 200 or consent of instructor.

- BIBL 309 Major Book** 3
A study of a major biblical book as announced. Possible offerings include: Genesis, Gospel of John, Revelation of John. The course will examine the theology, major themes, literary structure and social world of the book being studied. It will introduce students to various methodological approaches to the book, current scholarship, as well as the place of the book within both the canon and contemporary religious thought. Prerequisite: Bibl 100 or 200.
- BIBL 310 Topics in Biblical Studies** 3
Lecture, research and discussion oriented around specific biblical studies themes such as leadership in ministry, spiritual and pastoral care. Prerequisite: Bibl 100 or 200.
- BIBL 321 Biblical Themes of Peace** 3
A study of the themes and concepts that provide a biblical basis for nonretaliation and peace making. Particular attention is given to the nature of God's sovereignty, forgiveness versus vengeance and love of enemies. Prerequisite: Bibl 100 or 200.
- BIBL 324 Women in the Bible** 3
An examination of the characterization of women in Old and New Testament narratives, their role in biblical societies and the early church and their representation in Judeo-Christian culture, particularly our contemporary culture. The course draws upon current research and exegetical strategies in Biblical studies. Prerequisite: Bibl 100 or 200
- BIBL 409 Bible Internship** 3
An approved internship or work experience related to biblical studies. Examples are: Ministry Inquiry Program, supervised work in local campus ministries, church agencies or hospital chaplaincy.
- BIBL 410 Bible Senior Seminar** 3
Advanced work in principles and problems of biblical studies through the examination and assessment of narrative theology and ethics. Constant attention is given to meaningful articulation of faith.

Religion courses

- REL 202 Religion in the Americas** 3
An overview of religious institutions and individual expressions of religious faith in the Americas. The course includes some attention to historical developments across the Americas, but focuses primarily on recent or contemporary religious movements, realities, themes and issues in North America. The course also provides an introduction to the discipline of religious studies and is designed for colloquium students.
- REL 209 Field Experience** 3 (1-3)
A field placement in applied ministry or discipleship at a camp, retreat center, congregation or religious organization. Appropriate for credit by experience registration.
- REL 210 Introduction to Youth Ministry** 3
Focuses on aspects of pastoral identity formation, theological understanding for and history of youth ministry, various models of youth ministry and issues related to spiritual development of youth. Attention will also be given to issues regarding size of youth groups, organizational nature of ministry, mentoring, abuse, suicide, evaluation, self-care, humor and recreation. Includes attending a national or regional youth ministry training event.
- REL 220 Introduction to World Religions** 3
This survey will focus on a particular theme or area of religious experience as a window into the world's major religious traditions. Possible themes include: death, the human condition, or worship and ritual. This course is designed to provide students with a basis

for more advanced study of particular traditions or a place to begin making sense of religious diversity or different expressions of spirituality when they encounter them.

- REL 225 Spiritual Formation** 1
 Various topical courses based on student and faculty interest aimed to foster spiritual growth among students for general life application or ministry skill development. Course examples include Prayer Disciplines, Wrestling with the Biblical Text, Leading Small Groups, Preaching, and Preparation for Inquiry (a strong recommendation requirement for participation in Camping, Ministry and Service Inquiry Programs).
- REL 310 Topics:** 3
 Lectures, research and discussion of specific topics in religion such as politics and religion, spirituality, religion and the media.
- REL 312 War Peace & Nonresistance** 3
 A survey course that examines the development of warfare ideologies and religious responses to warfare. Includes examination of just war theory, Anabaptist doctrines on nonresistance, pacifism and nonviolent activism.
- REL 315 Religion in Culture & Society** 3
 (Cross-listed from Soc 315) An analysis of the social, cultural and political contexts that profoundly affect religious institutions and expressions, and upon which religion has an influence. Course includes such topics as meaning and belonging, modern individualism, dynamics of religious collectives and the impact of religion on social change.
- REL 316 Liberation Theologies** 3
 Focuses on three contemporary theologies of liberation (Latin American Liberation Theology, North American Black Theology and North American Feminist Theology) as they are developing in the Americas. The course examines similarities and differences among these three theologies - in conversation with Womanist and Latina theologies - as each addresses specific theological questions raised by the people of God in actual contemporary situations of exploration and oppression. The course also has a praxis component in which students move outward into the community.
- REL 317 Islam** 3
 An introduction to Islamic religion, culture and civilization. An historical survey will introduce the origins and early development of Islam, its rapid spread and flourishing and its interactions with the Western world. A thorough understanding of the core religious beliefs of Islam will be emphasized, through the examination of primary and secondary texts, rich media resources, guest speakers, and a field trip to a local mosque, with an opportunity to speak with the imam and other members of the community. Some of the contemporary issues facing Muslims around the world and in North America will be discussed.
- REL 318 Anabaptist/Mennonite History** 3
 (Cross-listed from Hist 318) Introduction to Mennonite history and thought. About one-third of the course is devoted to Anabaptism. Special attention given to distinctive Anabaptist religious ideas, changes in Mennonite religious ideas and practice in Europe, migrations, contrasts in social-communal practices among Mennonites and related groups.
- REL 320 Christian Faith** 3
 An introduction to theology, examining the character of Christianity by identifying and defining basic features and themes (e.g. Christology, atonement, church, eschatology). Careful attention will be paid to both historical development of theology as well as contemporary credibility. Prerequisite: Bibl 100 or 200 or consent of instructor.
- REL 321 History of Mennonites in America** 3
 (Cross-listed from Hist 321) Emphasis on Mennonites as a people developing and

interacting with the larger American society, using themes such as migration, community formation, beliefs, acculturation and pacifist citizenship in war and peace.

REL 322 Worshiping Communities 3

An introduction to the forms, styles, and history of Christian worship. Content includes a survey of the liturgical year and the major traditions of Christian spirituality. In addition, students will reflect on themes ranging from public and private forms of worship to the aesthetics of worship spaces. Students will also have the opportunity to actively reflect on how social realities and political concerns can be resources for discipleship, spiritual growth, and corporate worship.

REL 323 Judaism 3

An introduction to the essential beliefs, texts and religious practices of Judaism. The course will survey biblical and talmudic foundations, sketch historical development in Jewish life, thought and religion, and explore Jewish identity. Central concepts such as God, Law and Israel will illuminate the customs, rituals and values of contemporary Judaism. The class will visit a local synagogue and engage in conversation with the rabbi and members of the Jewish community. Special attention will be devoted to an appreciation of the deep continuities that exist among the "peoples of the book" as well as recognition of the unique contributions each has made to contemporary world culture.

REL 328 Spiritual Writings of Women 3

A survey of women's writings about the spiritual journey. Includes a range of medieval through 20th-century women. Examines women's use of their experiences as one source of theologizing.

REL 330 Religion and Sexuality 3

An exploration of the meaning and purpose of human sexuality in the context of Christian (and other) religious faith(s) and in relation to culturally based attitudes. Topics addressed will include body phenomenology, body theology, gender issues, historical developments, sexuality and spirituality, singleness, marriage, friendship, sexual violence, and a variety of other theological, ethical and relational issues. The course draws extensively on feminist models, themes and authors.

REL 374 Contemporary Iss in Youth Ministry 3

This course considers the challenges of our ever-changing world and explores the pastoral care issues of adolescent youth that result from these dynamics. We will also examine programmatic ways for us to respond in our youth ministry settings that appropriately seeks to strengthen youth in their faith journey. Students will also engage in various prayer exercises and develop a list of practical ministry resources.

REL 402 Christianity & Modern Thought 3

A seminar examining and assessing narrative theology and ethics. An attempt to state faith in meaningful terms by understanding the principles and structures of narrative and habitually using them. This course also serves as the senior seminar for Bible and religion majors, and only seniors are allowed in the course. Participation for non-Bible and religion majors requires the consent of the professor.

REL 405 Spiritual Care and Healing 3

Especially oriented towards the professional caregiver, this course emphasizes the interaction of spiritual factors with physical and emotional ones in the lives of helpers and their clients. Course enrollment includes a commitment to regularly practice one of the classical spiritual disciplines as a source of spiritual renewal and healing.

REL 409 Religion Internship 3 (1-3)

Approved intern or work experience related to studies in religion. Examples are Ministry Inquiry Program, supervised work in campus ministries, church agencies, chaplaincy or congregational programs.

REL 410 Religion Senior Seminar 3
Advanced work in principles and problems of religious studies through the examination and assessment of narrative theology and ethics. Constant attention is given to meaningful articulation of faith. (See Rel 402, Christianity and Modern Thought)

Philosophy courses

PHIL 200 Introduction to Philosophy 3
An introduction to the major problems of philosophy such as the nature of knowledge and reality, the relation of faith and reason, moral reasoning, politics and aesthetics. Discussion of the problems is driven by self-examination of each student's reasoned ideas and the contributions of major philosophers from a variety of traditions.

PHIL 302 Ethics and Morality 3
A study of the nature of moral claims and the bases for ethical principles. The course draws on both moral philosophy and on Christian ethical reflection, addressing the development of character as well as the patterns and methods for both individual and corporate decision-making.

PHIL 307 Asian Thought 3
The main aim of this course is to introduce the student to the questions, methods, goals and character of Asian philosophies and to instill in him or her a sensitivity to the profundity of thought that informs Asian history and culture.

PHIL 310 Topics in Philosophy 3
Study in specific areas of philosophic thought such as ancient/medieval, logic, modern philosophy, theory of knowledge, theory and problems of reality.

PHIL 400 Individual Readings in Philosophy 1
Students take initiative to develop a plan with a department faculty member. By consent of the faculty member only.

Biological sciences

Professor J. Miller

Associate Professors D. Miller (chair), J. Saylor

Assistant Professors A. Ammons, D. Hess, B. Minter, R. Sensenig

Introduction

The biological sciences department offers three majors and one minor:

- Major in biology
- Major in environmental science
- Major in molecular biology/biochemistry
- Minor in environmental science

In addition to the excellent on-campus facility for the study of biological science, Goshen College also offers exceptional locations for field work. Most field biology courses take place at the Merry Lea Environmental Learning Center of Goshen College, a 1,189-acre natural area 30 miles from campus. This preserve contains prairies, grasslands, upland forests, lowland forests, lakes, ponds and senescent bogs. The marine biology course is taken at the J. N. Roth Marine Biology Station, located on Long Key, Florida. Additional field courses are available through the Au Sable Institute, a field station with several U.S. locations and international programs.

For more information, please visit the biological sciences web site at www.goshen.edu/bio.

Career and postgraduate opportunities

Graduates with a biology major are active in human medicine and related areas, veterinary medicine, the agricultural sciences, cell biology, microbiology, marine biology, biotechnology, ecology, environmental analysis, science communications and science education, as well as basic research in numerous biological areas.

Graduates with a molecular biology major are well-prepared for further study in medical or graduate school, or direct entry into the job market. Molecular biology provides a foundation for careers in biochemistry, molecular biology, behavior genetics, molecular genetics, biotechnology, genetics, molecular medicine, genomics, proteomics, molecular diagnostics, drug discovery and many related areas.

Courses in environmental science are designed to provide knowledge in areas of social structures, available natural resources, market forces, biodiversity status, landscape quality, cultural value, habitat and natural resource sustainability, and policy decisions. Graduates with an environmental science major may work in a wide variety of areas, such as sustainable agriculture, conservation biology, water/air quality analysis, environmental education, recovery of threatened or endangered species, and as consultants for local, regional, or national parties interested in sustainable development. Potential employers include church and community agencies, local, state and federal government, private advocacy, stewardship and land trust organizations.

A minor in environmental science is appropriate for elementary and secondary teachers, regional planners, interpretive naturalists, park and camp managers, water and air resources analysts, environmental policy makers, bioinformation specialists and artists wishing to represent the natural world.

A master's degree program in environmental education is also available at Goshen College. For more information, see www.goshen.edu/merrylea/graduate

Teacher education in life sciences

Teacher certification is available for grades 5-12 in two related areas. Courses needed in addition to biology major requirements are:

Life Sciences - Biol 200 or 201; Biol 203-204 or 302; and Biol 215, 309 or 315.

Life Sciences and Chemistry - Biol 200 or 201; Biol 203-204 or 303; Biol 215, 309 or 315; Chem 200; Chem 303-304; and Chem 310, 312, 415 or 430.

Also requires 30 credits of education courses, including a semester of student-teaching. PJCS 210 needed to meet general education PJCS/Phil requirement. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the *Teacher Education Handbook* for more details.

Major in biology

40-43 credit hours

- Biol 111-112, Biological Principles I & II 8
- Biol 300, Microbial Biology 4
- Biol 301, Genetics 4
- Biol 409, Internship (or alternate) 0-3
- Biol 410, Biology Senior Seminar 3
- Biology electives; at least 4 credit hours upper level (300-499) 8
- Chem 111-112, General Chemistry 8
- Chem 303, Intro to Organic Chemistry 4
- Additional science electives 1

Planning and advising notes

Students expecting to major in biology normally take General Chemistry, Chem 111-112, in the first year, but in some cases it may be postponed until the second year.

Areas of interest for which majors may prepare by careful selection of courses include: agriculture, allied health (medical technology, pharmacy), biotechnology, botany, cellular biology, ecology, environmental biology, field biology, genetics, human biology, marine biology, microbiology, molecular biology, pre-professional (dentistry, medicine, veterinary medicine, physical therapy), teaching biology, tropical agriculture, wildlife biology or zoology.

Alternatives to Biol 409 may include Biol 209, Biol 400 or equivalent experience. See academic adviser for application form. Phys 410, Physics Senior Seminar may be taken instead of Biol 410, with adviser's permission.

Planning guide

First year	General education Biological Principles I & II General Chemistry Pre-calculus (if needed)
Second year	General education Microbial Biology (or Calculus I) Genetics (or Calculus II) Intro to Organic Chemistry SST (summer)
Third year	General education Upper-level biology (or calculus) Physics Developmental Vertebrate Biology (pre-med) SST (if not in second year)
Fourth year	Balance of general education Balance of major Internship or equivalent Biology Senior Seminar

Major in molecular biology/biochemistry

55-58 credit hours

• Biol 111-112, Biological Principles I & II	8
• Biol 301, Genetics	4
• Biol 307, Molecular Cell Biology	4
• Biol 409, Internship (or alternate)	0-3
• Biol 410, Biology Senior Seminar	3
• Chem 111-112, General Chemistry	8
• Chem 303-304, Organic Chemistry	8
• Chem 430, Biochemistry	4
• Math 211-212, Calculus I & II	8
• Phys 203-204, General Physics	8

Planning and advising notes

Recommended elective courses: Biol 300, Microbial Biology; Biol 302, Developmental Vertebrate Biology; Biol 303, Vertebrate Biology; Chem 200, Analytical Chemistry; Chem 310, Thermodynamics; and Chem 312, Quantum Mechanics I. Recommended enrichment activities: Research Seminar, Biol 330; undergraduate research project – credit available through advanced biology (if done on campus) or internship (if done off campus).

Planning guide

First year	General education Biological Principles I & II General Chemistry
Second year	General education Calculus I, II Intro and Intermed Organic Chemistry Genetics SST (summer)
Third year	General education Biochemistry General Physics Molecular Cell Biology
Fourth year	Balance of general education Balance of major Internship/alternate Biology Senior Seminar

Major in environmental science

56-59 credit hours (Core courses and one concentration)

Core courses (32-35 credit hours):

• Biol 111-112, Biological Principles I & II	8
• Biol 215, Principles of Environmental Science	3
• Biol 309, General Ecology	4
• Biol 312, Land Management	4
• Biol 335, Natural Resources Policy Seminar	1
• Biol 409, Internship	0-3
• Biol 410, Biology Senior Seminar	3
• Econ 203, Principles of Microeconomics	3
• Econ 207, Introduction to Statistics	3
• PoSc 210, Introduction to Public Policy	3

Agroecology concentration (24 credit hours)

• Biol 201, Botany of Seed Plants	4
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- Summer program at Merry Lea, studying four courses simultaneously: 12
 Biol 220, Soil Properties and Management
 Biol 230, Small Farm Management and Produce Marketing
 Biol 316, Vegetable Crops
 Biol 318, Agroecology
- Biol 308, Entomology 4
- Chem 111, General Chemistry 4

Conservation biology concentration (24 credit hours)

- Biol 301, Genetics 4
- Chem 111-112, General Chemistry 8
- Chem 303, Intro to Organic Chemistry 4
- Field biology courses approved by adviser 8

Resource management concentration (24 credit hours)

- Biol 201, Botany of Seed Plants 4
- Biol 345, Forest Resources 4
- Chem 111-112, General Chemistry 8
- Field biology courses approved by adviser 8

Planning and advising notes

Core courses equip all majors to analyze environmental issues from biological, economic and social/political points of view. All of these tools are necessary for addressing questions of human ecology. When students declare the environmental science major, they will, with their academic adviser, choose an area of concentration that reflects their interests and career goals.

Recommended elective courses: Hist 345, Environmental History; Biol 200, Zoology; Biol 201, Botany; Biol 300, Microbial Biology; and Biol 304, Marine Biology.

Students should enrich their course work in the major with appropriate experiences/ internships. Many Goshen students have worked on projects in environmental education, city planning, municipal water quality assessment, organic agriculture, conservation biology, urban forestry, wilderness trail and facility maintenance, restoration ecology, wetland construction and planting and field biology. Appropriate international experience can be gained on SST, in Au Sable-India and with specially arranged programs.

Four agroecology courses are taught at the Merry Lea Environmental Learning Center during a summer session: Biol 220, Biol 230, Biol 316 and Biol 318. Permission of the agroecology program director is required to enroll.

Planning guide

First year	General education Biological Principles I & II General Chemistry Principles of Microeconomics
Second & Third years	General education SST Principles of Environmental Science Introduction to Statistics Introduction to Public Policy Natural Resources Policy Seminar General Ecology Courses in concentration area
Fourth year	Courses in concentration area Balance of general education

Internship
Senior Seminar

Minor in environmental science

18-19 credit hours

- Biol 111-112, Biological Principles I & II 8
- Biol 215, Principles of Environmental Science 3
- Two courses selected from the following: 7-8
 - Biol 304, Marine Biology
 - Biol 308, General Entomology
 - Biol 309, General Ecology
 - Biol 340, Field Experience in Environmental Education
 - Biol 345, Forest Resources
 - Biol 350, Ornithology
 - Field biology courses at Au Sable Institute, with adviser's consent

Biological science courses

BIOL 100 The Biological World 3

A non-majors course examining the biology of the human story. Emphasizes the connections between biology and other disciplines through a thematic study of savanna systems. Unifying ideas in biology are discussed through examining topics including wildlife ecology, evolution and adaptation, human evolution and theology, and environmental sustainability.

BIOL 111 Biological Principles I 4

This course emphasizes the basic principles underlying all fields of biology, including diversity, water biology, energy flow, inheritance, life cycles and communication. Surveys plant and animal taxa, with special emphasis on vascular plants and vertebrate animals. This course is for science majors and others interested in a rigorous introduction to biology. Either Biol 111 or Biol 112 may be taken first.

BIOL 112 Biological Principles II 4

This course emphasises the basic principles underlying all fields of biology, including diversity, water biology, energy flow, inheritance, life cycles and communication. Surveys plant and animal taxa, with special emphasis on vascular plants and vertebrate animals. This course is for science majors and others interested in a rigorous introduction to biology. Either Biol 111 or Biol 112 may be taken first.

BIOL 154 Human Biology 3 (3-4)

A biological study of how the body functions, of the diseases/disorders that can disrupt the normal functioning of the body and of strategies for the prevention of disease. Includes an exploration of human genetics and its role in disease. Current issues related to human health are discussed. Laboratory exercises will introduce students to scientific principles affecting the body. A four-credit option, with extra material on the muscular and skeletal systems, is offered for physical education majors.

BIOL 200 General Zoology 4

A survey of representative animal groups from Protozoa through the Chordata. Includes anatomy, morphology, systematics, life histories and ecology. Three lectures, one three-hour lab. Prerequisite: Biol 111, 112 or permission of instructor. (Alternate year offering)

BIOL 201 Botany of Seed Plants 4

A major study of the stems, roots, leaves, flowers, fruits and seeds of the advanced vascular plants. Emphasis is placed on plant anatomy, morphology and physiology. Two lectures and two two-hour labs. Prerequisite: Biol 111, 112 or permission of instructor.

- BIOL 203 Human Anatomy & Physiology** 4
 A study of the organ systems of the human body, their gross and microscopic structure and their functions. Laboratory demonstrations and dissections. Three lectures, one three-hour lab. Prerequisite: one semester of college chemistry.
- BIOL 204 Human Anatomy & Physiology** 3
 A study of the organ systems of the human body, their gross and microscopic structure and their functions. Laboratory demonstrations and dissections. Three lectures, one three-hour lab. With permission of the instructor, biology majors may take Biol 204 for two hours of lecture only. Prerequisite: Biol 203 and one semester of college chemistry.
- BIOL 206 Microbiology** 3
 A general study of microorganisms and their relations to health and disease, with practical applications valuable to the nurse. Includes the characteristics and activities of microorganisms, procedures for sterilization and disinfection; methods of growing and studying organisms; and techniques of diagnosis, treatment and prevention of diseases. Three lectures, one two-hour lab. Prerequisite: one semester of college chemistry. Not for the biology major.
- BIOL 209 Field Experience** 3 (1-3)
 Practical experience in biology, typically in a relevant off-campus experience. Off-campus positions may include various types of work (employed or volunteer) in university, hospital or other medical, veterinary, agricultural and industrial facilities or nature centers and camps. Students are encouraged to develop their own ideas. Taken only as credit/no credit. Prerequisite: consent of adviser.
- BIOL 210 Biology of the Sea** 4
 An introductory course that immerses students in exploring the ecology of the Florida Keys ecosystem. Suitable for non-majors. Biology majors should sign up for Biol 304. An off-campus course taught at the J.N. Roth Marine Biology station in Florida. Prerequisite: application process and consent of instructor. Moderate extra cost.
- BIOL 215 Principles of Environmental Science** 3
 Introduction to natural resources (forests, wetlands, water, air, climate, soils, etc.), human use and impact on resource supply, pollution and sustainability. A critique of the land use history and ethics in the United States will then frame the discussion of the human ecology and the development of a vision of sustainability. Prerequisite: Biol 111, 112 or consent of instructor. (Alternate year offering)
- BIOL 220 Properties & Management of Soils** 3
 A comprehensive introduction to the field of soil science with emphasis on scientific principles and their application to solve practical soil management problems. Topics will include soil formation, soil physical properties, soil organisms and ecology, and practical nutrient management. This course constitutes one of the four courses taught during the summer agroecology program. Permission of the Agroecology Program Director is required.
- BIOL 230 Small Farm Mgmt/Produce Marketing** 3
 This course teaches skills necessary for making a farm or market garden an economic success, including finding land, planning appropriate marketing strategies for selected crops, and managing income and expenses. Community supported agriculture (CSA) and other direct marketing options will be studied and local farmers and entrepreneurs will share from their experience. This course constitutes one of the four courses taught during the summer agroecology program. Permission of the Agroecology Program Director is required.
- BIOL 300 Microbial Biology** 4
 Study of the anatomy, physiology and ecology of microorganisms, particularly bacteria, protists, and viruses. Lab instruction will include techniques involved in isolating, culturing

and quantifying microbial organisms found in soil, water, food, and the human body. Three lectures, one three-hour lab. Prerequisites: Biol 111, 112.

BIOL 301 Genetics 4

Introduction to genetics including classical, molecular, behavioral, and population concepts. Genomic, proteomic, and epigenetic concepts will also be covered. Includes discussions of the moral and ethical implications related to genetic principles and techniques. The laboratory will include individual experiments with living model organisms and modern genetic biotechnology. Three lectures and one laboratory/discussion session per week. Prerequisites: Biol 111, 112.

BIOL 302 Developmental Vertebrate Biology 4

Principles of vertebrate development with study of developing systems in chicken and human embryos. Material covered includes the molecular genetics of developmental processes and cancer. Three lectures and one lab per week. Prerequisite: Biol 111, 112. (Alternate year offering)

BIOL 303 Vertebrate Physiology 4

A concentrated study of the principles of vertebrate physiology. Material covered includes various topics of significance in the biomedical field, such as cellular, nervous, muscular and cardiovascular physiology. Laboratory activities will cover the same topics, with a special focus on computer based data acquisition. Three lectures and one laboratory session per week. Prerequisites: Biol 111, 112 or Biol 203, 204.

BIOL 304 Marine Biology 4

An intensive field-based class that explores the marine ecology of the Florida Keys. Includes a comprehensive collaborative field research project. An off-campus course taught at the J. N. Roth Marine Biology station in Florida. Prerequisites: Biol 111, 112, application process and consent of instructors. Moderate extra cost.

BIOL 307 Molecular Cell Biology 4

Examination of the structure and function of cells with emphasis on the molecular organization of eukaryotic cells. Topics include intracellular transport, cell:cell interactions, cell division, cytoskeleton organization, tissue/cell culture and staining, western blots, and proteomics. One lecture, two three-hour labs. Prerequisites: Biol 301 and Chem 111, 112 or consent of instructor.

BIOL 308 General Entomology 4

A general study of insect structure, development, classification and habits. Laboratory sessions particularly directed at identification of insects and their economic roles. Three lectures and one three-hour lab per week. Prerequisite: Biol 111, 112. Biol 200 strongly recommended. (Alternate year offering)

BIOL 309 General Ecology 4

A study of the distribution and abundance of organisms. The course will include studies of the dynamics of natural biological communities and the interaction of these communities with the abiotic environment. An exploration of the major ecological theories needed to understand natural systems with emphasis on engaging students in ecological research. Most field work occurs at the Merry Lea Environmental Learning Center. Prerequisites: Biol 111, 112.

BIOL 312 Land Management 4

Basic principles of the management of natural ecosystems for various values or functions. Includes principles of restoration of disappeared or damaged ecosystems. Focus on wetlands, prairies and natural grasslands and forests, primarily as a field course. Environmental Science majors are given first priority for enrollment. Field work at Merry Lea. Prerequisite: Biol 111, 112.

BIOL 316 Vegetable Crops 3

This course provides an understanding of the role of the environment in plant growth and

development and focuses on the basic principles of sustainable vegetable production. Topics will include environmental factors influencing plant growth and crop production, preparing and planting the field, extending the growing season, and handling crops after harvest. Students will practice production techniques on college-operated acreage. This course constitutes one of the four courses taught during the summer agroecology program. Permission of the Agroecology Program Director is required.

BIOL 318 Agroecology 3

Study of sustainable food production, investigating the ecological impacts of manipulating natural systems to produce food, feed, fiber and medical products. Ecological concepts are discussed and their principles applied to sustainable food production that supports community culture and economy. Topics will include the theoretical basis of agroecology, alternative production systems, and ecological management of diseases, insect pests and weeds. This course constitutes one of the four courses taught during the summer agroecology program. Permission of the Agroecology Program Director is required.

BIOL 320 Human Pathophysiology I 3

An introductory study of the biology of diseases. Examines causes of disease and bodily response processes. A survey of both disorders that affect the body as a whole and disease of individual organs. Intended for students in allied health professions. Prerequisite: Biol 203, 204 or consent of instructor.

BIOL 321 Human Pathophysiology II 3

An introductory study of the principles of disease. Examines causes of disease and bodily response processes. A survey of both disorders that affect the body as a whole and disease of individual organs. Intended for students in allied health professions. Prerequisite: Biol 203, 204 or consent of instructor.

BIOL 330 Biology Research Seminar 1

An exploration of opportunities in research at the undergraduate level, graduate level and for a career. Includes an introduction of ongoing departmental research programs, discussion and demonstrations by current student participants of their projects, examination of new discoveries reported in the current literature and discussions of opportunities for student participation in our research program for advanced biology credit.

BIOL 335 Natural Resources Policy Seminar 1

To be taken in conjunction with Introduction to Public Policy, PoSc 210. Focus on U.S. natural resources policy (clean air, clean water, forest service policy, etc.) and the structure of the governmental agencies responsible for natural resources (Forest Service, Army Corps of Engineers, EPA, IDNR, IDEM, etc.). (Alternate year offering)

BIOL 340 Field Experience Environmental Educ 2 (1-3)

Participants will develop and conduct interpretive programs in nature study for visiting school groups; observe practices related to managing a natural area and participate in discussions of environmental issues. Instruction takes place at the Merry Lea Environmental Learning Center. Enrollment by permission of instructor only. Prerequisite: one semester of college-level biology.

BIOL 345 Forest Resources 4

Study of the function, value and use of forest resources, including management of forests for harvest, water quality, biodiversity, aesthetics and recreation. Significant time spent in the field at forestland sites. Prerequisite: Biol 111, 112. (Alternate year offering)

BIOL 350 Ornithology 4

Natural history, taxonomy, and conservation of birds. Includes much work on visual and aural identification of birds in the field. Taught during the May term at Merry Lea Environmental Learning Center. Prerequisite: Biol 111, 112. (Alternate year offering)

- BIOL 375 Topics in Biology:** 4 (1-4)
Classroom and/or laboratory study in a major area of biology not covered by regular courses. Prerequisite: consent of instructor.
- BIOL 400 Biology Research** 1 (1-4)
On-campus participation in a research project. Prerequisite: consent of faculty supervisor.
- BIOL 409 Biology Internship** 3 (1-3)
Practical experience in biology including professional levels of responsibility. Activities may be similar to those described for Biol 209, but with a higher degree of independent responsibility in the experience, as would be appropriate for a traditional apprenticeship. Students are encouraged to develop their own ideas. Taken only as credit/no credit. Prerequisite: consent of adviser.
- BIOL 410 Biology Senior Seminar** 3
An exploration of the interactions between biology and other areas of human concern, especially ethics and theology. Includes the study of a complex societal issue. Career planning is also discussed with practice in resume writing, portfolio preparation, and interviewing. Prerequisite: senior standing.

Business

*Professors M. Horning (chair), R. Rupp
Associate Professors J. Fitzmartin, J. Geiser, J. Richer
Assistant Professor C. Gutierrez
Adjunct Professor D. Birky*

Introduction

The business department offers two majors, four minors and a certificate:

- Major in accounting
- Major in business
- Minor in accounting
- Minor in business
- Minor in entrepreneurship
- Minor in global economics
- Certificate program in business administration.

Adult students interested in an evening program should see the [Division of Adult and External Studies \(DAES\)](#) section for a major in [organizational leadership](#).

We encourage students to complete both a major and minor in the business department. However, a double major is not possible, since there is significant overlap in the courses required for majors in this department.

The department sponsors several [continuing education programs in business](#), including Family Business, Management Development, and ASSETS (training for entrepreneurial start-ups). Participation in the Family Business Program is open to both family business firms and professional firms that serve family businesses. The Management Development Program provides a variety of short courses and seminars for the local business and professional community. Special programs can be designed for “in-house” presentation for individual organizations. Participants can earn continuing education units. The ASSETS program is designed to assist entrepreneurs in achieving their dreams of starting or expanding their own business, and is operated in conjunction with ASSETS of Elkhart County, with additional support from the Michiana chapter of the Mennonite Economic Development Associates (MEDA). More information about these programs is available from the business department office, (574) 535-7450.

Visit the business department Web site at www.goshen.edu/business.

Career and postgraduate opportunities

Business within a liberal arts context provides a strong foundation for succeeding in today's complex and multi-disciplinary business environment. As part of a Christ-centered college, the business department at Goshen College models a community of faith and learning by incorporating lessons of ethics and social responsibility in all aspects of the business education process. Students are encouraged to question, research, and explore the impact of every business decision on customers, investors, employees, and the environment.

Students with a degree from the business department are prepared for career opportunities in a broad range of businesses and nonprofit organizations. Many graduates pursue masters and doctoral degrees in all areas of business, accounting, information systems, economics, and law.

Accounting – Accounting graduates have career opportunities in auditing, banking, financial analysis, financial planning, taxation, as chief financial officers and controllers. Graduates with 150 credit hours are qualified to take the Uniform CPA Examination in order to qualify for licensure as a Certified Public Accountant..

Business – Business graduates are currently working in business, education, banking, overseas development, church offices and many not-for-profit organizations. Their careers span the fields of marketing, human resources, management, finance and operations. Many also work in consulting or have started their own businesses.

Economics – A global economics minor can complement any major course of study. Economics courses are designed to provide students with a deeper understanding of economic relationships and allows students to explore those relationships with a focus on international and environmental issues.

Entrepreneurship – An entrepreneurship minor can complement any major course of study. Entrepreneurship courses encourage students to be creative and innovative. Developing skills in entrepreneurship will enable students to identify opportunities and solve problems in a variety of work environments.

Teacher education certification

Teacher certification in business is available for grades 5-12. Courses needed in addition to business major requirements are Bus 102, Bus 322, Bus 328, and Econ 306 or Bus 350. Also required are 30 credits of education courses, including a semester of student teaching. PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the *Teacher Education Handbook* for more details about requirements.

Minimum academic requirement for majors and minors

All business department majors and minors must earn a grade of C- or higher in all courses required for their major and/or minor. Failure to attain this level of achievement requires the student to either repeat the course (for specific requirements) or take an additional course (an option for elective courses) and achieve a grade of C- or higher.

Major in accounting

52-61 credit hours

• Acc 201, Principles of Financial Accounting	3
• Acc 202, Principles of Managerial Accounting	3
• Acc 210, Accounting Information Systems	3
• Acc 301, Cost Accounting	3
• Acc 302-303, Intermediate Accounting	6
• Acc 304, Federal Income Tax: Individual	3
• Acc 405, Auditing	3
• Acc 434, Federal Income Tax: Corporate	3
• Bus 220, Office Software Productivity	3
• Bus 310, Business Law	3
• Bus 405, Career Planning	1
• One of the following internships:	3-12
Bus 409, Business Internship	
Acc 408, Accounting Internship	
• Bus 410, Management Policy and Social Responsibility	3
• Econ 203, Principles of Microeconomics	3
• Econ 204, Principles of Macroeconomics	3
• Econ 207, Introduction to Statistics	3
• Math 141, Finite Mathematics	3

Planning guide

First year General education
 Finite Mathematics
 Principles of Financial Accounting
 Principles of Microeconomics
 Office Software Productivity

Second year General education

Principles of Managerial Accounting
 Principles of Macroeconomics
 Introduction to Statistics
 Accounting Information Systems
 Cost Accounting
 SST

Third year General education

Intermediate Accounting
 Federal Income Tax: Individual
 Business Law
 Business Career Planning

Fourth year Balance of general education

Balance of accounting major
 Internship
 Management Policy and Social Responsibility

Planning and advising notes

It is recommended that Bus 220 and Econ 203, 204 and 207 be taken in the first two years. Acc 201 and 202 must be completed in the first two years; Acc 210 is intended for the second year. SST should come in the first two years or summer of the third year. Additional math courses are encouraged for students anticipating graduate school.

In many states, 150 credit hours of undergraduate or graduate education is required before individuals can take the Uniform CPA Examination. Goshen College offers an option for students desiring to complete 150 hours at Goshen College, combining accounting with business. Detailed information is available from business department advisers. Students can also meet the state's 150-hour requirement by completing an accounting degree at Goshen College and transferring to another institution to complete a master's degree. Goshen College is committed to developing and maintaining articulation agreements with various Indiana institutions to facilitate this option.

Major in business

58 credit hours

- Acc 201, Principles of Financial Accounting 3
- Acc 202, Principles of Managerial Accounting 3
- Bus 100, Essential Business Skills 3
- Bus 220, Office Software Productivity 3
- Bus 310, Business Law 3
- Bus 315, Principles of Management 3
- Bus 316, Principles of Marketing 3
- Bus 317, Financial Management 3
- Bus 318, Production/Operations Management 3
- Bus 403, Management Strategy 3
- Bus 405, Career Planning 1
- Bus 409, Business Internship 3
- Bus 410, Management Policy and Social Responsibility 3
- Econ 203, Principles of Microeconomics 3
- Econ 204, Principles of Macroeconomics 3
- Econ 207, Introduction to Statistics 3
- Additional business department courses, at least 6 credit hours upper level (courses numbered 300 and above) 9
- Math 141, Finite Mathematics 3

Planning guide

- First year** General education
 Essential Business Skills
 Finite Mathematics
 Principles of Financial Accounting
 Principles of Microeconomics
 Office Software Productivity
- Second year** General education
 Principles of Macroeconomics
 Principles of Managerial Accounting
 Introduction to Statistics
 SST (spring or summer)
- Third year** General education
 Management, Marketing, Financial Management, Business Law
 Production/Operations Management
 Upper-level courses in major
 Career Planning
 A summer internship between third and fourth year is strongly encouraged
- Fourth year** Balance of general education
 Balance of major
 Management Strategy
 Management Policy and Social Responsibility

Planning and advising notes

Acc 201 and 202, Bus 220, Econ 203, 204 and 207 and SST should normally be scheduled in the first two years or in the summer after the third year. Additional math courses are encouraged for students anticipating graduate school.

Minor in accounting

18 credit hours

- Acc 201, Principles of Financial Accounting 3
- Acc 202, Principles of Managerial Accounting 3
- Econ 203, Principles of Microeconomics..... 3
- Acc 302, Intermediate Accounting..... 3
- Additional accounting courses 6

Note to business majors: Students must take 12 credit hours in accounting beyond the major, including Acc 302. Courses must be approved by academic adviser.

Minor in business

18 credit hours

- Acc 201, Principles of Financial Accounting 3
- Econ 203, Principles of Microeconomics 3
- Additional business department courses, at least 9 credit hours upper level (300 and above)..... 12

Note to accounting majors: Students must take nine credit hours in business and economics beyond the major. Courses must be approved by academic adviser.

Minor in global economics

18 credit hours

- Econ 203, Principles of Microeconomics 3
- Econ 204, Principles of Macroeconomics 3
- Econ 207, Introduction to Statistics 3

- Additional upper level economics courses (courses numbered 300 and above) 9

Planning and advising notes

Students should complete Econ 203, 204 and 207 in the first and second year. Additional mathematics beyond Math 211, Calculus I is encouraged if graduate work in economics is anticipated. Teacher education program is available for students seeking to teach social studies in high school. See history department pages and the *Teacher Education Handbook* for more details.

Note to accounting and business majors: To earn a minor in global economics, students with a business department major must take 12 credit hours of upper level economics courses.

Minor in entrepreneurship

18 credit hours

- Acc 201, Principles of Financial Accounting 3
- Bus 121, Introduction to Entrepreneurship 3
- Bus 215, Entrepreneurial Finance 3
- Bus 315, Principles of Management..... 3
- Bus 328, Venture Planning 3
- Bus 334, Go To Market 3

Planning and advising notes

Bus 121 is a pre-requisite for Bus 328 and Bus 334. Bus 215 and Acc 201 should also be taken before Bus 328.

Note to accounting and business majors: Students with a business department major must take Bus 121, Bus 315, Bus 328, Bus 334 and complete either Bus 360 or an entrepreneurship internship.

Certificate: business administration

30 credit hours

Usually scheduled for completion in one academic year. Courses selected with approval from academic adviser.

- Bus 121, Introduction to Entrepreneurship 3
- Acc 201, Principles of Financial Accounting 3
- Bus 315, Principles of Management 3
- Econ 203, Principles of Microeconomics 3
- Econ 204, Principles of Macroeconomics 3
- Elective course in business 3
- Bible or religion class 3
- Other electives 9
- May/Summer SST term (optional)

Accounting courses

ACC 201 Principles of Financial Accounting 3

Development of principles underlying financial statements and accounting procedures. Basic accounting terminology and concepts of both financial and managerial accounting. Emphasis on analyzing and understanding financial statement information.

ACC 202 Principles of Managerial Accounting 3

Development of principles used in planning, controlling and evaluating organizational decision making. Primary topics are cost behavior, costing systems, profitability analysis and budgeting. At the conclusion of this course students will be able to conduct cost-volume-profit analysis, compute break-even points, prepare budgets, conduct

variance analysis, do job costing, relevant cost analysis and capital budgeting.

Prerequisite: Acc 201.

ACC 210 Accounting Information Systems 3

Create an accounting system using a popular business software package. Gain understanding of internal control systems and organizational relationships with utilization of a computerized business system. Concentrates on the transaction cycles of cash receipts, cash disbursements, purchasing, sales, inventory control and management reporting. Prerequisite: Acc 201.

ACC 301 Cost Accounting 3

A study of how accounting information is used and communicated by managers to plan, control and evaluate decisions. Primary topics include cost behavior, cost-volume-profit analysis, costing systems, variance analysis, cost-allocation issues, budgeting, and pricing decisions. This course is a continuation of the principles learned in Acc 202. Case studies are used extensively in this course. Prerequisites: Acc 202, Bus 220 .

ACC 302 Intermediate Accounting I 3

Development of accounting theory and practice by critically analyzing each element of the financial statement. Concentration on a conceptual approach to accounting information and reporting. Courses must be taken in sequence. Prerequisite: Acc 202.

ACC 303 Intermediate Accounting II 3

Development of accounting theory and practice by critically analyzing each element of the financial statement. Concentration on a conceptual approach to accounting information and reporting. Courses must be taken in sequence. Prerequisite: Acc 302.

ACC 304 Federal Income Tax:Individual 3

A comprehensive study of the current income tax laws as they apply to individuals and sole-proprietorships. Emphasis is placed on applying the tax laws for tax return preparation. Students are also introduced to tax research and tax planning. Students will participate in a tax preparation program for the Goshen community. Prerequisite: Acc 201.

ACC 375 Topics: 3 (1-4)

Depth study on a selected topic in accounting. Intended to accommodate student interest and/or faculty expertise in specific accounting issues. Issues may vary from year to year.

ACC 400 Selected Readings 1 (1-4)

Special topics for majors and minors.

ACC 405 Auditing 3

Study of the attest function and the responsibility of a Certified Public Accountant as an independent auditor of financial information. Includes study of the CPA Code of Professional Ethics and the legal liability of auditors. Prerequisite: Acc 303.

ACC 408 Accounting Internship 12 (6-12)

Work experience in professional accounting. Limited to accounting majors. Student must be approved by department faculty and accepted by a firm through an interview. Interested students should contact the supervising instructor during the junior year.

ACC 409 Accounting Internship 3 (1-3)

Work experience in, or student observation of, a business enterprise or problem. Each student's project is individually arranged with the instructor. The course is designed to integrate and apply theoretical learning with experience.

ACC 434 Federal Income Tax:Corporate 3

Study of the current tax laws applicable to C corporations, S corporations, partnerships and limited-liability companies. Students are introduced to tax research and tax planning for these business entities. Also included is an introduction to tax law related to not-for-profit organizations, trusts, estates and gift taxation. Prerequisite: Acc 304.

Business courses

- BUS 100 Essential Business Skills** 3
 This course, designed for first year students, will introduce a variety of general business skills to benefit students in both their subsequent college courses and their future business career. Topics include business communication skills, personal productivity, working in teams, running effective meetings, problem-solving techniques, decision-making, process mapping and project management.
- BUS 102 Advanced Keyboarding** 3
 Manipulative skill development in the use of computer/typewriter keyboards, including numerical keypad. Skills development in the production of letters, reports, tables and other word processing communications using a leading software package. (Available as independent study.)
- BUS 121 Introduction to Entrepreneurship** 3
 Introduces the various activities that entrepreneurs undertake, from recognizing an opportunity to launching a business. Provides an overview of developing and testing a business concept, the components of a business plan, and planning for growth and change. Additional attention is given to the nature of entrepreneurial thinking and the ethical environment of entrepreneurship.
- BUS 215 Entrepreneurial Finance** 3
 Designed to introduce the basics of business finance and accounting to nonfinancial managers or students anticipating acquiring or starting a new venture. Builds understanding of key financial statement and day to day accounting and finance issues, tips for improving financial efficiency and strategies for pursuing financial growth. Credit from this course may not be counted toward an accounting or business major.
- BUS 217 Personal Finance** 3
 Designed to introduce students to the basics of personal finance. A survey course of personal and family financial planning with an emphasis on financial recordkeeping, planning your spending, tax planning, consumer credit, making buying decisions, purchasing insurance, selecting investments and retirement and estate planning.
- BUS 220 Office Software Productivity** 3
 Advanced skills in commonly-used office-suite software, such as spreadsheets, word processing, presentation graphics and personal databases. The focus is on using these tools in an organizational setting to improve personal and organizational productivity and effectiveness. The course currently uses the Microsoft Office 2007 Suite on personal computers.
- BUS 306 Human Resource Management** 3
 Provides a comprehensive understanding of what effective firms in competitive environments are doing to manage their human resources as successfully as possible. Topics include the major issues facing human resource management and the various human resource activities.
- BUS 310 Business Law** 3
 Survey of legal principles. Topics include liability, contracts, sales and negotiable instruments; also, secured transactions, agency, partnerships, corporations and antitrust.
- BUS 315 Principles of Management** 3
 Founded on the four major managerial functions: planning, organizing, leading and controlling. The process of management is applied to the functions of a business enterprise. Other topics include motivation, problem-solving and the coordination, communication and human relations aspects of management.
- BUS 316 Principles of Marketing** 3
 The nature of marketing in our society; how organizations develop marketing strategies

that enable them to meet their objectives and the needs of their customers through adequate marketing mixes; the relationship of marketing to other management functions; marketing activities at the domestic and international levels.

BUS 317 Financial Management 3

Introduces students to the primary elements of organizational finance such as time value of money, stock and bond valuation, forecasting, working capital management, capital budgeting and structure and dividend policy. Prerequisite: Acc 202, Bus 220, Econ 203.

BUS 318 Production/Operations Management 3

Decision-making and quantitative analysis of production problems arising in areas of methods analysis, plant location, facilities design, production planning and control, inventory management, work measurement, job design, worker safety and health, materials handling and quality control. Prerequisite: Bus 220

BUS 319 Leading Nonprofit Organizations 3

An exploration of how business principles apply to leading nonprofit organizations. Course provides students with the concepts, techniques and illustrations needed for effective nonprofit organizational management. Topics covered will include management and motivation of staff, trustees and volunteers, marketing, financial management, fund raising, planning, ethics, social responsibility, partnerships and sustainability.

BUS 320 Marketing Research 3

A comprehensive overview of the nature and scope of marketing research and its role in decision support systems. Course focuses on the practical aspects of marketing research and provides a framework for conducting quantitative and qualitative research. Prerequisites: Bus 220, 316 .

BUS 322 Organizational Communication 3

(Cross-listed from Comm 322) An exploration of communication within organizations, as well as communication between organizations and the larger society. Topics include theories of communication and organizational structure; examination of power, culture, and conflict in organizations; and analysis of verbal and nonverbal messages in interpersonal, small-group and public settings. Assignments will assist students in developing skills in listening, analysis, speaking and writing. Prerequisite: Comm 240 or Bus 316.

BUS 328 Venture Planning 3

In this course students write business plans for an entrepreneurial venture. Areas of exploration include recognition of opportunity, pre-venture planning, start-up, strategy, negotiation and funding. Emphasis is also placed on the management of organizational growth and change. Attention is given to special concerns of small-firm management. Prerequisite: Bus 121, 334.

BUS 332 Investments 3

In this course students will learn how to research, formulate and implement investment plans through portfolios constructed and monitored by students. Analytical frameworks and investment strategies that target objectives will be established and utilized. Also, decision making tools such as security valuation and leverage analysis models will be explored. Prerequisite: Bus 317 or consent of instructor.

BUS 334 Go To Market 3

Extends the basic understanding of the entrepreneurial or new venture process. Discussion topics include-customer needs methodologies, guerrilla marketing, distribution channels, target markets, concept scalability, competitive landscape analysis, and go-to-market strategies. Prerequisites: Bus 121, 220.

BUS 336 Advertising 3

A managerial approach to developing advertising strategies; the use of advertising as a

marketing tool; the creative process; evaluation of the effectiveness of advertising; the role of advertising in our society. Prerequisite: Bus 316 or consent of instructor.

BUS 338 Sales 3
An introduction to the dynamic world of selling. A pragmatic approach to the techniques and skills used by professional sales persons. Includes role playing and the development of a sales presentation.

BUS 350 International Business 3
International business is the field of study that focuses on business activities that cross national boundaries. It includes exports and imports - the subject of traditional international trade discussions - as well as foreign direct investment, international banking, the international transfer of technology and global business strategy. The cultural environment of international business is considered in some detail. The course presents the important activities of an international firm and a framework for analysis from a manager's perspective. Case studies are used in the course. Prerequisites: Econ 204 and Acc 202 or consent of instructor.

BUS 360 Java Junction Management 3
Gives students the opportunity to manage a real business. Java Junction, a coffee shop located in the KMY Connector, is completely student-run and student-managed. Student managers, under the supervision of a business faculty member, have full responsibility for all management and operating decisions. Management positions include accounting, human resources, marketing, operations, purchasing and special events planning and coordination. The management teams reports regularly to an Advisory Board who serves as Java Junction's Board of Directors. Managers are selected by the business department through an application process. Entrepreneurial students and those energized by challenges are encouraged to apply. This course is repeatable.

BUS 375 Topics: 3
Depth study on a selected topic in business. Intended to accommodate student interest and/or faculty expertise in specific business issues. Issues may vary from year to year (example: Business in Spain).

BUS 400 Selected Readings 1 (1-4)
Special topics for majors and minors.

BUS 403 Management Strategy 3
A study and evaluation of management strategies to achieve organizational goals and objectives. Utilizes management principles, financial analysis and control, personnel decisions and marketing strategies to solve case/simulation problems. Prerequisites: Bus 220, 315, 316 and 317 or consent of instructor.

BUS 405 Career Planning 1
The course will provide a framework within which to appraise career options, set goals and implement a plan to reach goals. Topics include self-appraisal, resumes, developing a job-search strategy, interviewing for jobs, choosing the first job and graduate-school opportunities. This course is available to students from all majors.

BUS 409 Internship in Business 3 (1-3)
Work experience in, or student observation of, a business enterprise or problem. Each student's project is individually arranged with the instructor. The course is designed to integrate and apply theoretical learning with experience. Students desiring an internship in business must be a major in the business department and must have completed at least 40 hours of major requirements. This course is repeatable. Prerequisite: Bus 405.

BUS 410 Mngmnt Policy & Soc Responsibility 3
A broad examination of the responsibilities of business to society and social expectations of business. Topics include: business and its environment; corporate social responsibility; the manager and personal ethics; government regulation of business. Intended as the

capstone senior seminar. Prerequisite: Senior standing in department or consent of instructor.

Economics courses

- ECON 203 Principles of Microeconomics 3**
 A general survey of economic relationships and processes in modern society. Analyzes market and price behavior under competitive and monopolistic conditions and reviews the economic activities of government, with emphasis on spending and taxing patterns.
- ECON 204 Principles of Macroeconomics 3**
 A general survey of economic relationships and processes in modern society. Focuses on macroeconomic topics: national-income accounting, aggregate-income determination, money and banking and international trade. Prerequisite: Econ 203.
- ECON 207 Introduction to Statistics 3**
 Collection, presentation and analysis of numerical data. Descriptive measures; index numbers; probability, sampling, estimation and hypothesis testing; linear regression and correlation. Prerequisite: Math 141.
- ECON 209 Environmental Economics 3**
 In this course we consider how economic activity affects the environment and how environmental destruction can, in turn, harm the economy. We apply the concepts of externalities, public goods and open-access resources to topics such as air pollution, climate change and green business practices.
- ECON 306 International Economics 3**
 Factors in international economic relations; international trade theory; balance of international payments; foreign exchange; commercial policy of the United States and other countries; foreign investment and economic development; international economic cooperation. Prerequisite: Econ 204, or consent of instructor.
- ECON 308 Intro to Economic Development 3**
 Provides a general overview of the development field and surveys major issues from a range of viewpoints. Topics include trade and financial problems faced by developing countries, evaluation of various models of development and application of economic techniques to development problems. Prerequisites: Econ 204 or consent of instructor.
- ECON 310 Economics of War and Peace 3**
 National defense spending is the largest category in the discretionary portion of the federal budget, larger than all the other categories combined. This course examines the benefits and costs of this commitment of public funds. Topics include the armament industry, national security, government financing, terrorism and peace-making.
- ECON 312 Natural Resource Economics 3**
 In this course we examine how businesses utilize the earth's resources to provide goods and services. We assess whether natural resources are being used efficiently and sustainably, discussing policies and practices to correct market failures. Topics include fossil fuels, renewable energy and sustainable management of forests and fisheries. Pre-requisite: Econ 203
- ECON 314 Ecological Economics 3**
 The emerging field of ecological economics balances the goal of economic efficiency against those of ecological sustainability and social justice. In this course we explore the "triple-bottom-line" (sustainable scale, just distribution and efficient allocation), applying these principles to business, government and individual decision-making. Pre-requisite: Econ 203 or 209

Academic departments and courses : Business

ECON 375 Topics	3 (1-4)
Depth study on a selected topic in economics. Intended to accommodate student interest and/or faculty expertise in specific business issues. Issues may vary from year to year.	
ECON 400 Selected Readings	1
Special topics for majors and minors.	

Chemistry

Professor D. Smith (chair)

Associate Professor D. Schirch

Introduction

The chemistry department offers one major and also collaborates with the biology department on the molecular biology/biochemistry major. In addition, a cooperative "3+2" program in chemical engineering is available, with three years completed at Goshen College and two years at a cooperating engineering school. See chemistry department faculty members for more information.

- [Major in chemistry](#)

Visit the chemistry department Web site at www.goshen.edu/chemistry.

Career and postgraduate opportunities

Chemistry graduates are currently working at many levels in business and industry. They also serve as medical doctors, professors and teachers, laboratory chemists, librarians and administrators.

Teacher education certification

Teacher certification is available for grades 5-12 in two areas related to chemistry.

Courses needed in addition to chemistry major requirements are:

Chemistry - 30 credit hours of education courses.

Life Sciences and Chemistry - Biol 111-112; Biol 200 or 201; Biol 203 or 303; Biol 300; Biol 301; and Biol 215, 309 or 315; and 30 credit hours of education courses. In addition, PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. For more details see [education department catalog page](#) and the *Teacher Education Handbook*.

Major in chemistry

51 credit hours

- Chem 111-112, General Chemistry 8
- Chem 200, Analytical Chemistry 4
- Chem 303-304, Organic Chemistry 8
- Chem 310, Thermodynamics 4
- Chem 312, Quantum Mechanics 4
- Chem 409, Chemistry Internship 0-3
- Chem 410, Senior Seminar 3
- Chem 415, Inorganic Chemistry 4
- Math 211-212, Calculus I & II 8
- Phys 203-204, General Physics I & II 8

Planning guide – option A

First year General education
 General Chemistry
 Calculus I, II
 Calculus III recommended (May)

Second year General education
 Organic Chemistry
 Analytical Chemistry
 SST (summer)

Third year General education
 General Physics

Quantum Mechanics
 Inorganic Chemistry
Fourth year Balance of general education
 Biochemistry (recommended)
 Thermodynamics
 Internship
 Senior Seminar

Planning guide – option B

First year General education
 General Chemistry
 Calculus I, II
 Calculus III recommended (May)

Second year General education
 Organic Chemistry
 General Physics
 SST (summer)

Third year General education
 Analytical Chemistry
 Biochemistry (recommended)
 Thermodynamics
 SST (fall or summer)

Fourth year Balance of general education
 Quantum Mechanics
 Inorganic Chemistry (May)
 Internship
 Senior Seminar

Planning and advising notes

Fundamental computer competency is expected. Chem 409, Chemistry Internship or an equivalent noncredit experience is required. Two planning guides are given because some courses are offered only in alternate years. Additional recommended courses for chemistry majors: Chem 350, Environmental Chemistry; Chem 420, Organic Analysis; Chem 430, Biochemistry; Chem 450, Introductory Research Problems; Math 213, Calculus III.

Chemistry courses

CHEM 100 Chemical World 3

An introduction to chemistry in our society for non-science majors. The course is a hands-on laboratory course based on important and intriguing problems from the world around us. Topics may include forensics, biochemical, environmental, household, medicinal and nuclear chemistry. Modern instruments and analysis will be used to collect and discuss data. Lectures and laboratory. Prerequisite: one year of high school algebra.

CHEM 101 Chemistry & Physics of Life 3

Designed for non-chemistry majors. Chem 101 gives students a condensed foundation of chemistry principles. Students who have taken at least two semesters of high school chemistry with grades of B- or higher may enroll in Chem 102 without taking 101. Lectures and laboratory.

CHEM 102 Chemistry & Physics of Life 4

Designed for non-chemistry majors. Chem 102 focuses on organic and biochemistry. Students who have taken at least two semesters of high school chemistry with grades of B- or higher may enroll in Chem 102 without taking 101. Prerequisite: Chem 101 or

consent of the instructor or at least two semesters of high school chemistry with grades of B- or higher.

CHEM 111 General Chemistry 4

An introduction to the basic particles of matter, the modern concept of the atom, chemical bonding and the structure of chemical compounds. The physical and chemical properties of some elements and compounds are examined. Reaction equilibrium and kinetics, acid-base theory, electrochemistry, radiochemistry and thermodynamics are included. Lectures and laboratory. Prerequisite: Chem 100 or high school chemistry (grade C or better) and adequate pre-calculus math.

CHEM 112 General Chemistry 4

An introduction to the basic particles of matter, the modern concept of the atom, chemical bonding and the structure of chemical compounds. The physical and chemical properties of some elements and compounds are examined. Reaction equilibrium and kinetics, acid-base theory, electrochemistry, radiochemistry and thermodynamics are included. Lectures and laboratory. Prerequisite: Chem 111.

CHEM 200 Analytical Chemistry 4

Quantitative analysis using traditional and instrumental methods. Lectures and laboratory. Prerequisite: General Chemistry, Chem 111-112 or consent of instructor.

CHEM 220 Human Nutrition 3

A study of the nutritive needs of the body in normal stages of growth and development, food sources of nutrients, nutrient functions and factors affecting nutrient utilization. Current U.S. and global nutritional problems are explored. Prerequisite: Chem 101 or 111 (Biol 203 and 204 recommended).

CHEM 303 Introduction to Organic Chemistry 4

Covering structure, nomenclature, stereochemistry, and principal reactions for the major functional groups of organic chemistry, this is a one-semester survey course that gives an overview of the field. Laboratory exercises introduce basic purification techniques. This can be a stand-alone course for students majoring in biology and not continuing to medical school, veterinary school, or other graduate programs in biology and chemistry-related fields. For students with graduate school plans, this is the first in a two-course sequence in organic chemistry. Prerequisite: Chem 111-112.

CHEM 304 Intermediate Organic Chemistry 4

Using Chem 303 as a foundation, this course presents additional reactions (with an increased emphasis on mechanisms) and material on stereochemistry, as well as introducing spectroscopy (IR, NMR, GC-MS and UV-Vis). Together, the Chem 303-304 sequence covers all topics traditionally covered in two-semester organic chemistry courses. Laboratory experiments teach techniques for organic syntheses, instruments (GC/MS, FT-IR, FT-NMR), and chemical information retrieval. Prerequisite: Chem 303.

CHEM 310 Thermodynamics 4

A study of classical thermodynamics in the formulation of Gibbs. Thermodynamic potentials, characteristic variables, stability, homogeneous and heterogeneous systems, chemical kinetics are treated. An introduction to statistical mechanics is presented. Applications include studies of material properties and engineering systems. Lectures and laboratories. Prerequisites: Phys 203-204, Chem 111-112, Math 212 or consent of the instructor.

CHEM 312 Quantum Mechanics 4

Principles of quantum mechanics are discussed beginning with a hydrogen atom and concluding with many atom molecules. The material is examined using the physical evidences that support the theory of quantum mechanics, particularly spectroscopy. The course also discusses symmetry of molecules, theory of NMR, and X-ray diffraction. Lectures and laboratory. Prerequisites: Phys 203-204, Chem 111-112, Math 212 or consent of the instructor.

- CHEM 350 Environmental Chemistry** 4
 A laboratory intensive course with two lectures and two three-hour labs each week. Will include sampling, statistics and techniques involved in determining the level of contaminants in the environment. Although some instrumental theory will be discussed, the course will emphasize experimental technique. Students will gain hands-on experience collecting authentic environmental samples and using modern instrumentation and methods for detecting the presence of a variety of inorganic and organic compounds. Instruments used in the laboratory will include AA, HPLC, GC and GC-MS as well as standard commercial test kits. The students will gain experience using EPA methods for determining the level of contaminants in their samples. Prerequisite: Chem 111-112 and Chem 303.
- CHEM 400 Advanced Preparations** 1 (1-2)
 Projects involving advanced laboratory techniques.
- CHEM 409 Chemistry Internship** 3 (0-3)
 Designed to give the student practical experience in chemistry. May involve work in a chemical industrial laboratory or production facility or an academic research activity. Students may also propose their own projects. 120 hours of work experience is required.
- CHEM 410 Senior Seminar** 3
 (Cross-listed from Phys 410) An exploration of the relations between the natural sciences and other broad areas with special emphasis on ethical and theological concerns. Discussion, lectures, preparation and presentation of papers. Prerequisite: Senior standing.
- CHEM 415 Inorganic Chemistry** 4
 Emphasis on models of structure and bonding as related to chemical and physical properties. Discussions will include descriptive chemistry of the elements, coordination and organometallic compounds and solid state materials. The laboratory component emphasizes synthesis and characterization of inorganic compounds. Prerequisites: Chem 200, Chem 303-304, Chem 312.
- CHEM 430 Biochemistry** 4
 Introduction to the chemical processes of living organisms. This course (which complements Biol 307) focuses primarily on proteins (including enzymes) and metabolism, with introductions to carbohydrates, lipids, and cell membranes. Students planning to continue on to graduate programs in medicine, biochemistry, or related fields should take both Chem 430 and Biol 307 to get a solid background in the areas of biochemistry and molecular biology. Lectures and laboratory. Prerequisite: Chem 303-304, Organic Chemistry.
- CHEM 450 Introduction to Research Problems** 1 (1-3)
 Laboratory and conference. Prerequisite: consent of instructor.

Communication

Professor D. Stoltzfus

Associate Professor P. McFarlane (chair)

Assistant Professors S. Conley, R. Lapp, J. Samuel

Introduction

The communication department offers four majors and four minors. Two additional minors are offered in collaboration with other departments. In addition, secondary education certification is available in journalism.

The four majors prepare students to engage in meaningful service and fulfilling careers in communication fields. The four communication department minors can combine with any major to provide valuable professional skills. The writing minor, offered in collaboration with the English department, may focus on either journalistic or creative writing. The multimedia communication minor is offered in collaboration with art, computer science and business information systems departments. Students in this program learn to design and develop Web sites and CD-ROM presentations that convey information effectively and aesthetically.

- Majors in broadcasting, communication, journalism and public relations
- Minors in broadcasting, communication, journalism, public relations, multimedia communication and writing

Communication students at Goshen College have numerous opportunities to apply their classroom learning and to test their vocational interests. Students can develop leadership skills in broadcasting (WGCS: The Globe), journalism (*Maple Leaf* and *Record*), public address (the C. Henry Smith Peace Oratorical Contest) and video production (GC-TV). Student journalism organizations are based in a Communication Center with a full-service newsroom and suite of offices. The Globe studios feature state-of-the-art digital and computer-based equipment with satellite connections; GC-TV also is equipped with digital and computer-based production and editing equipment. Faculty members are especially attuned to contemporary ethical issues in communication fields and attempt to bring the college's Christian orientation to bear on these issues.

Visit the communication department Web site at www.goshen.edu/communication.

Career and postgraduate opportunities

Graduates have pursued vocations as broadcasters, reporters, editors, public relations and advertising practitioners, educators, attorneys, business executives and church leaders.

Teacher education certification in journalism

Teacher certification is available for grades 5-12 in journalism education. Courses needed in addition to the journalism major are Comm 190, Comm 260, and 30 credits of education courses, including a semester of student teaching. PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the *Teacher Education Handbook* for more details about requirements.

Major in broadcasting

42 credit hours

- Comm 190, Introduction to Radio 1
- Comm 195, TV News Reporting 1
- Comm 200, Communication Practice 2
- Comm 204, Expository Writing 3

Academic departments and courses : Communication

- Comm 212-312, Broadcast Media Production I & II 6
- Comm 240, Communication Research 3
- Comm 250, Writing for Media 3
- Comm 260, Broadcast Writing 3
- Comm 270, Media Law and Ethics 3
- One of the following courses: 1
 - Comm 290, Radio Operations
 - Comm 295, TV News Production
- Comm 360, Broadcasting for the Public Good 3
- Comm 383, Communication and Society 3
- Comm 409, Internship 4
- Comm 410, Senior Seminar 3
- One of the following courses: 3
 - Comm 314, Broadcast Media Production III
 - Comm 324, Principles of Public Relations
 - Comm 326, Creating for the Web
 - Comm 386, Film
 - Comm 412, Special Project
 - Thea 235, Power of Story
 - Thea 320, Expressive Voice
- At least four semesters participation in WGCS and/or GCTV NC

Planning guide for all communication department majors

First year	General education Communication Research Oral Communication (3 credit hours) 100-299 level courses in major
Second year	General education Media Law and Ethics Expository Writing Other courses in major SST
Third year	General education (including humanities requirement) Communication and Society Courses in major
Fourth year	Balance of general education Balance of major Internships Senior Seminar

Planning and advising notes for all communication department majors

All students majoring in communication are required to take the general education course Comm 202, Oral Communication for three credit hours. Comm 200, Communication Practice should be with a co-curricular closely related to the area of concentration. The Comm 409, Internship should be in the student's area of concentration. The Broadcasting, Journalism and Public Relations majors require two internships: one for three credit hours and a second for one credit hour. A portfolio or its equivalent is required for graduation.

A maximum of 45 credit hours in communication courses may be applied to a degree. Also, no more than 12 credit hours in experiential learning (Comm 200, 209, 409 or 412) may be applied.

Major in communication

38 credit hours (core and one concentration area)

Core courses (20 credit hours):

- Comm 200, Communication Practice 2
- Comm 204, Expository Writing 3
- Comm 240, Communication Research 3
- Comm 270, Media Law and Ethics 3
- Comm 383, Communication and Society 3
- Comm 409, Internship 3
- Comm 410, Senior Seminar 3

Film studies concentration (19 credit hours)

- Comm 212, Broadcast Media Production I 3
- Comm 386, Film 3
- CCCU Film Studies Program 13
- At least four semesters participation in GCTV and/or theater NC

Note: The film studies concentration cannot be completed solely in residence at Goshen College. Requires one full semester at the Council for Christian Colleges and Universities' Los Angeles Film Studies Center, or an approved alternative off-campus program, including Comm 409. Recommended electives: Comm 255, Comm 312, Comm 412, Engl 230, Thea 235, Thea 245, Thea 332, Thea 334, Thea 338.

Generalist concentration (18 credit hours)

- Any communication courses, with adviser's approval 9
- Any upper level (300 and above) communication or related courses, with adviser's approval 9
- At least four semesters participation in communication department productions NC

Multimedia communication concentration (18 credit hours)

- BIS 220, Office Software Productivity 3
- Comm 108, Digital Design 3
- Comm 326, Creating for the Web 3
- Comm 375, Animation 3
- Two courses selected from the following: 6
 - Art 107, Design
 - Art 208, Graphic Design
 - BIS 310, Information Technology Hardware and Networks
 - Comm 190, Introduction to Radio
 - Comm 212-312, Broadcast Media Production I & II
 - Comm 255, Photo Communication
 - Comm 412, Special Project
- At least four semesters participation in WGCS, GCTV, or *The Record* NC

Major in journalism

42 credit hours

- Comm 200, Communication Practice 2
- Comm 204, Expository Writing 3
- Comm 212, Broadcast Media Production I 3
- Comm 240, Communication Research 3
- Comm 250, Writing for Media 3
- Comm 270, Media Law and Ethics 3
- Comm 326, Creating for the Web 3
- Comm 350, Reporting for the Public Good 3

Academic departments and courses : Communication

- Comm 383, Communication and Society 3
- Comm 409, Internship 4
- Comm 410, Senior Seminar 3
- Selected from the following courses: 9
 - Comm 108, Digital Design
 - Comm 190, Introduction to Radio
 - Comm 255, Photo Communication
 - Comm 260, Broadcast Writing
 - Comm 290, Radio Operations
 - Comm 308, Feature Writing
 - Comm 312, Broadcast Media Production II
 - Comm 324, Principles of Public Relations
 - Comm 385, Studies in Communication: Religious Journalism
 - Comm 386, Film
 - Comm 412, Special Project
 - Engl 334, Writing Creative Nonfiction
 - Thea 235, The Power of Story
 - WoSt 375, Women in Text and Image
- At least four semesters participation in GCTV, *Record*, *Maple Leaf*, and/or WGCS NC

Major in public relations

43 credit hours

- Bus 316, Principles of Marketing 3
- Bus 336, Advertising 3
- One of the following courses: 3
 - Comm 108, Digital Design
 - Art 107, Design
- Comm 200, Communication Practice 2
- Comm 204, Expository Writing 3
- Comm 240, Communication Research 3
- Comm 250, Writing for Media 3
- Comm 270, Media Law and Ethics 3
- Comm 322, Organizational Communication 3
- Comm 324, Principles of Public Relations 3
- Comm 383, Communication and Society 3
- Comm 409, Internship 4
- Comm 410, Senior Seminar 3
- Comm 412, Special Project: Events 1
- Selected from the following courses: 3
 - Art 208, Graphic Design
 - Bus 121, Introduction to Entrepreneurship
 - Bus 315, Principles of Management
 - Bus 319, Leading Nonprofit Organizations
 - Bus 338, Sales
 - BIS 220, Office Software Productivity
 - Comm 190, Introduction to Radio
 - Comm 255, Photo Communication
 - Comm 260, Broadcast Writing
 - Comm 308, Feature Writing
 - Comm 326, Creating for the Web
 - Comm 350, Reporting for the Public Good
 - Comm 412, Special Projects
 - Thea 235, The Power of Story

- At least four semesters participation in GCTV, *Record*, *Maple Leaf*, and/or WGCS NC

Minor in broadcasting

18 credit hours

- Comm 212, Broadcast Media Production I 3
- Comm 260, Broadcast Writing 3
- Comm 360, Broadcasting for the Public Good 3
- Comm 409, Internship 3
- Courses selected from the following, at least 2 credit hours upper level (300 and above): 6
 - Comm 190, Introduction to Radio
 - Comm 195, TV News Reporting
 - Comm 204, Expository Writing
 - Comm 240, Communication Research
 - Comm 250, Writing for Media
 - Comm 270, Media Law and Ethics
 - Comm 290, Radio Operations
 - Comm 295, TV News Production
 - Comm 312, Broadcast Media Production II
 - Comm 383, Communication and Society

Minor in communication

18 credit hours

- Comm 240, Communication Research 3
- Comm 383, Communication and Society 3
- Concentration courses selected with adviser's approval 12

Planning and advising notes

In the minor concentration, at least 5 credit hours must be upper level (300 and above), with at least 9 credit hours in communication and at least 6 taken at Goshen College.

Minor in journalism

18 credit hours

- Comm 212, Broadcast Media Production I 3
- Comm 250, Writing for Media 3
- Comm 350, Reporting for the Public Good 3
- Comm 409, Internship 3
- Courses selected from the following, at least 2 credit hours upper level (300 and above): 6
 - Comm 108, Digital Design
 - Comm 190, Introduction to Radio
 - Comm 255, Photo Communication
 - Comm 260, Broadcast Writing
 - Comm 290, Radio Operations
 - Comm 308, Feature Writing
 - Comm 312, Broadcast Media Production II
 - Comm 326, Creating for the Web
 - Comm 385, Studies in Communication: Religious Journalism
 - Comm 412, Special Projects

Minor in public relations

18 credit hours

- Bus 316, Principles of Marketing 3
- Comm 250, Writing for Media 3

Academic departments and courses : Communication

- Comm 322, Organizational Communication 3
- Comm 324, Principles of Public Relations 3
- Courses selected from the following: 6
 - Bus 319, Leading Nonprofit Organizations
 - Bus 336, Advertising
 - Comm 108, Digital Design
 - Comm 190, Introduction to Radio
 - Comm 200, Communicaton Practice
 - Comm 212, Broadcast Media Production I
 - Comm 240, Communication Research
 - Comm 255, Photo Communication
 - Comm 260, Broadcast Writing
 - Comm 270, Media Law and Ethics
 - Comm 290, Radio Operations
 - Comm 308, Feature Writing
 - Comm 312, Broadcast Media Production II
 - Comm 326, Creating for the Web
 - Comm 385: Studies in Communication: Religious Journalism
 - Comm 409, Internship
 - Comm 412, Special Project

Minor in multimedia communication

18 credit hours

- Art 108, Digital Design 3
- Bus 220, Office Software Productivity 3
- Comm 326, Creating for the Web 3
- Art/Comm 375, Animation 3
- Two courses selected from the following, at least 2 credit hours upper level (300 and above) 6
 - Art 107, Design
 - Art 208, 308, 408, Graphic Design I, II and/or III
 - Bus 336, Advertising
 - Comm 212, Broadcast Media Production I
 - Comm 250, Writing for Media

Minor in writing

18 credit hours

- Comm/Engl 204, Expository Writing 3
- One of the following individualized courses: 3
 - Comm 412, Special Project
 - Engl 280, Sophomore Portfolio *and* Engl 408, Senior Writing Practicum
- Courses in journalistic and/or creative writing selected from the following 12
 - Comm 250, Writing for Media
 - Comm 260, Broadcast Writing
 - Comm 308, Feature Writing
 - Comm 326, Creating for the Web
 - Comm 350, Reporting for the Public Good
 - Engl 120, Introduction to Creative Writing
 - Engl 312, Writing Workshop
 - Engl 330, Writing Fiction
 - Engl 332, Writing Poetry
 - Engl 334, Writing Creative Nonfiction

Engl 336, Special Topics in Writing
Thea 334, Playwriting

Planning and advising notes

Students should choose an adviser from the communication or English faculty, depending on their particular field of interest.

Writing minors are encouraged to get involved with communication or English co-curricular activities, including *The Record*, *The Maple Leaf*, *The Correspondent*, Pinch Penny Press, *Broadside*, and *Red Cents*.

Students registering for Comm 412, Special Projects or Engl 408, English Writing Practicum must meet with an adviser and have a proposal approved in the semester prior to registering.

Communication courses

COMM 108 Digital Design 3

(Cross-listed from Art 108) This course in visual expression and communication will introduce students to relevant computer programs including Adobe InDesign, Adobe Illustrator and Photoshop. Through exercises, projects and critiques, students will learn both creative visual design and technical aspects of computer-generated images and composition.

COMM 190 Introduction to Radio 1

This applied course, offered on a credit/no-credit basis only, prepares students for work at WGCS-FM. Students attend lecture-discussion periods, engage in self-study and learn to operate the station through tutorial shifts.

COMM 195 TV News Reporting 1

Applied learning, involving work assignments on GC Journal, the campus television news program. Focuses on television news reporting, basic news videography and newscast studio operations.

COMM 200 Communication Practice 1 (1-2)

Applied work in communication with the student newspaper, yearbook, GC-TV, WGCS or other on-campus communication activity. A maximum of two hours applicable toward a communication major or minor. Consent of instructor required.

COMM 202 Oral Communication 3

A study of communication theories as applied to oral communication. Practical experience in a variety of activities including interpersonal communication, public speaking, small-group communication, persuasion and nonverbal communication. Attention is given to communicating in a culturally diverse society. Theories and principles of oral communication will be studied in all sections though individual professors may structure their courses around specific themes such as Border Crossings and Oral History. A two-credit version of this class is offered occasionally; however, communication and theater majors should be sure to take it for three credits.

COMM 204 Expository Writing 3

(Cross-listed from Engl 204) Theory and practice of written communication. Assignments in a variety of prose forms aim at developing the student's control of logic, organization, rhetoric, usage, and audience accommodation. Prerequisite: Engl 110 or Engl 210 or equivalent.

COMM 206 Communication Across Cultures 3

A study of cultures, comparative message systems and principles of cross-cultural communication. A focus on current issues having to do with cultural interactions. Students analyze cultural dynamics through ethnographic projects, films and simulations.

This course is designed as preparation for SST or for living in settings unlike one's native home.

COMM 209 Field Experience 3 (1-3)

Experiential learning, usually in an off-campus professional setting, for communication majors and minors. The student contracts with a faculty member in regard to goals, performance expectations, supervision, evaluation and course subtitle. The 209 level is intended for first year and sophomore students. Upper level students should enroll in 409. Prerequisite: Comm 202 or Comm 204.

COMM 212 Broadcast Media Production I 3

An introduction to broadcast media production with an emphasis on audio and video production. The primary goal of the course is the development of the necessary skills and understandings needed to create effective broadcast media messages. Secondary goals are to give an overview of media production tools and techniques and to explore aesthetic and ethical issues of media. This course places emphasis on the "craft" roles of media production personnel. Students will gain production craft experience as members of a production team.

COMM 240 Communication Research 3

An introduction to theory building and research methodology of mass communication. Course focuses on the practical aspects of communication research, providing a framework for conducting quantitative and qualitative research..

COMM 250 Writing for Media 3

An introductory newswriting course devoted to print, broadcast and multimedia environments. The course will cover new judgments and new values; reporting strategies; research techniques; forms of journalistic writing and Associated Press style. Prerequisite: Engl 110, Engl 210 or equivalent.

COMM 255 Photo Communication 3

A first course including camera work, digital image workflow and printing. Technical fluency, visual composition, photojournalistic approaches, and expression are components of the course. Students must provide a camera on which f-stop and shutter speed can be controlled.

COMM 260 Broadcast Writing 3

Students will study the principles, forms and techniques of writing for broadcast media. Assignments will focus on the writing and editing of broadcast news and commercial messages. Prerequisite: Comm 250.

COMM 270 Media, Law & Ethics 3

A course devoted to models of ethical decision making as they are applied to mass media issues, with special attention given to Christian perspectives. The course will cover issues like access to information, accuracy, conflicts of interest, deception, fairness, libel, obscenity, plagiarism and privacy.

COMM 290 Radio Operations 1

An applied course providing advanced instruction and experience in radio station operations, emphasizing four areas: announcing, systems operations (computer-based operations, satellite downlinking, basic productions, etc.) programming and management. Course work includes assisting WGCS managers in such areas as programming, production, and operations. Prerequisite: Comm 190.

COMM 295 TV News Production 1

Applied learning, involving leadership of GC Journal. Focuses on television news producing, directing and newscast studio operations. Prerequisite:Comm 195.

COMM 308 Feature Writing 3

Students will study nonfiction writing forms, including narrative journalism, and learn the

process of publishing articles in newspaper, magazine and online markets. Students will prepare articles for submission. Prerequisite: Comm 204 or Comm 250 or equivalent.

COMM 312 Broadcast Media Production II 3

Advanced study of broadcast media production with an emphasis on audio and video production. The primary goal of the course is the development of advanced skills and understandings needed to create effective broadcast media messages. Secondary goals are to give extended development of media production tools and techniques and to explore aesthetic and ethical issues of media. This course places emphasis on the "creative" roles of media production personnel as producers, directors and designers. Students will take creative responsibility for media productions, including supervision of a production team. Prerequisite: Comm 212.

COMM 314 Broadcast Media Production III 3

The primary focus of this course is on advanced integration of audio and video elements in program-length productions. Capabilities of computer-aided editing and digital audio and video will be explored in depth. The major project for the class will accommodate an individual's interest in either audio or video. Prerequisite: Comm 312 or consent of instructor.

COMM 322 Organizational Communication 3

An exploration of communication within organizations, as well as communication between organizations and the larger society. Topics include theories of communication and organizational structure; examination of power, culture, and conflict in organizations; and analysis of verbal and nonverbal messages in interpersonal, small-group and public settings. Assignments will assist students in developing skills in listening, analysis, speaking and writing. Prerequisite: Comm 240 or Bus 316.

COMM 324 Principles of Public Relations 3

Introduction to public relations contexts, issues and practices - research, planning, communicating and evaluating. Emphasis on skills in analyzing public opinion and in communication with internal and external publics, with special attention to not-for-profit organizations. Prerequisite: Comm 240 or Bus 216.

COMM 326 Creating for the Web 3

The class focus will be on creating Web pages for Internet and Intranet use. Class work will be entirely on the World Wide Web. Issues of design, Web graphics and the language(s) of page development will be a major part of the study.

COMM 340 Audio Production 3

(Cross-listed from Mus 340) An introduction to the recording studio presenting its function in commercial music production. Areas include basic electronics, studio setup and engineering fundamentals. Lecture/lab.

COMM 350 Reporting for the Public Good 3

Journalism's role in serving the public good will be in the forefront as students discuss civic journalism, the watchdog function of the news media, tensions between profits and public service, and the advocacy of peace and justice. Students will focus on significant independent reporting projects intended to advance the public good. Prerequisite: Comm 250 or equivalent.

COMM 360 Broadcasting for the Public Good 3

This course examines the philosophical, historical, technological and social aspects of broadcast and new global electronic media industries. Students will study aspects of broadcasting and new media economics, management, audience analysis, programming, media effects, government policy and FCC regulations for the public good.

COMM 375 Animation 3

Focuses on digital animation. Students will learn the skills needed to bring characters to

Academic departments and courses : Communication

life as well as create visual effects using computer software. Issues in the international contemporary visual culture will also be studied. Prerequisite: Comm 326.

COMM 383 Communication and Society 3

A study of communication issues in modern society with attention to the persons, institutions, media and systems that facilitate social interaction. An overview of communication philosophy as a basis for ethical and aesthetic perspectives. Prerequisite: Comm 240 or consent of instructor.

COMM 385 Studies in Communication 3

Investigations into particular communication issues: social, scientific, philosophic, historical, aesthetic, political or institutional. Focus on an institution or topic of current interest.

COMM 386 Film 3

Survey of film as art, literature and mass medium. Historical development; authors and genres; philosophical, economic and political issues. A selection of 12 films for detailed study. Emphasis on "reading" film, understanding the medium's function and exploring contemporary cinematic issues.

COMM 409 Internship 3 (1-3)

Experiential learning, usually in an off-campus professional setting, for communication majors and minors. The student contracts with a faculty member in regard to goals, performance expectations, supervision, evaluation and course subtitle. Prerequisite: consent of instructor.

COMM 410 Senior Seminar 3

A consideration of ethical and professional issues in contemporary communication. Information interviews with practitioners in communication. Writing of resumes. Required of all communication majors.

COMM 412 Special Project 1 (1-3)

Students may conduct research of particular interest or pursue specialized applied projects in communication under faculty supervision. Prerequisite: consent of instructor.

Education

*Professors K. Meyer Reimer (chair), A. Stalter
Assistant Professors C. Bonfiglio, K. Gary, G. Ibur
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Introduction

Goshen College seeks to graduate teachers who interact with their students and the content they teach, lifelong learners who are professionally active and who put their faith into practice in all aspects of teaching and learning. Goshen College is authorized by the Indiana Office of Educator Licensing and Development to prepare teachers for elementary and secondary schools. The teacher education program has been accredited by the National Council for Accreditation of Teacher Education since 1954.

An important part of Goshen's teacher education program is learning first-hand in the schools. Students will work in a variety of settings with diverse populations. If Study-Service Term (SST) is part of the international education experience, students will also have the opportunity to work with children or youth in another culture.

School systems in the area cooperate with Goshen College to provide strong and varied student teaching experiences. Pre-service teachers experience a broad spectrum of classroom situations. During the student teaching experience, students will work 12 or more weeks full time in a local school system and will be supervised by classroom teachers and college professors. After satisfactorily completing an approved teaching program and the Praxis II exam, students will apply and be recommended for licensure. Goshen graduates are generally eligible for initial certification in other states.

Visit the education department Web site at www.goshen.edu/education.

Education programs available:

Elementary education (K-6)

Upon completion of a major in elementary education, pre-service teachers are eligible to be certified to teach kindergarten through sixth grade. Fieldwork takes place in a variety of classroom settings where pre-service teachers learn to teach language arts, math, social studies, science, art, physical education and music. Approaches to classroom management, discipline and evaluation are also explored.

Elementary education/Special education (K-6)

Goshen offers certification in Exceptional Needs: Mild Intervention for K-6 in conjunction with an elementary education certificate. It is a certification that must be completed at the same time as an elementary education certification, but does not stand alone as a separate program. To complete this program, 12 additional hours (Student Teaching: Exceptional Needs, Special Education Issues, Learning Disorders and Social Emotional Disorders) are added to the elementary education program.

All-grade education in English language learners, music, physical education or visual arts (K-12)

All-grade education focuses on the content area while including requirements for general and professional education at all developmental levels.

Secondary education (5-12)

Pre-service teachers can be certified to teach fifth through 12th graders upon completion of teacher education requirements for teachers of early adolescence, adolescence and young adults and content requirements in the chosen field of instruction. Goshen offers teaching majors in:

- American Sign Language
- Bilingual/bicultural
- Business

- Chemistry
- English/Language arts
- English Language Learners (ELL)
- Journalism
- Life sciences
- Life science and chemistry
- Mathematics
- Music: vocal and/or instrumental
- Physical education
- Physical education/health
- Physical sciences
- Physics
- Social studies
- Spanish
- Theater arts
- Visual arts

Special attributes of Goshen's teacher education program

Elementary and exceptional needs dual certification program – Nationally, there is a critical shortage of special education teachers. Completing this dual certification program dramatically increases a candidate's marketability. In addition, all classrooms include students with special needs. We believe that all special education teachers need to know what regular classroom teachers know, and all regular classroom teachers need to know what special education teachers know. The combination of these two licensure content areas will prepare candidates to meet the needs of all students in their classrooms.

English Language Learners – Schools continue to need teachers who are skilled in working with students who do not speak English.

Conflict transformation – As school violence has increased, we have seen the need for teacher candidates to develop skills in conflict mediation. In collaboration with the peace, justice and conflict studies department, we are able to offer a series of three courses that equip our students in mediation, conflict transformation and systems analysis. We strongly recommend that all teacher education candidates complete this sequence, which results in a Goshen College Certificate in Conflict Transformation ([see below](#)).

Environmental education – Merry Lea Environmental Learning Center, a 1,150-acre nature conservancy owned by Goshen College, hosts more than 5,000 school children each year for outdoor education. All elementary education majors have the opportunity to work in environmental education as part of their program.

Laboratory kindergarten - Since 1959, a laboratory kindergarten has been operated by the education department in the Church-Chapel Building. Starting in 2008, the laboratory kindergarten became a joint partnership with the Goshen Community Schools, and is considered both a lab kindergarten for Goshen College students and a GCS kindergarten for children who function well within a language rich and experience rich interactive environment. The laboratory kindergarten is an integral part of teacher education at Goshen College. It provides opportunities for (1) observation of child development and behavior; (2) observation of teaching procedures; and (3) field placements for the kindergarten internship.

Curriculum Library, Peace Curriculum Collection and Royer Reading Room - (Children's Literature Collection) in the Harold and Wilma Good Library. This collection of materials provides excellent resources for teaching and research.

Admission to the teacher education program

Students generally apply for admission to the Goshen College teacher education program during the sophomore year. Admission to the program includes:

- Successful completion of the reading, writing and mathematics sections of the Pre-Professional Skills Test (Praxis I)
- A review of the high school record
- Successful performance in early fieldwork experiences
- Supportive references

- Demonstrated experience with children or youth
- A written essay

Teacher education students must maintain a 2.5 GPA overall and a 2.8 in their content area. All content related courses for the license content area must be passed with a C or higher. Because the field of education is continually changing, education courses taken more than 15 years prior to admission to the program will not be accepted for transfer credit.

Major in elementary education (K-6)

Modified general education program (60-73 credit hours)

Language arts

Comm 202, Oral Communication	2-3
Educ 307, Children's and Adolescent Literature	3
Engl 110, Literature and Writing (or Engl 210)	3
Engl 204, Expository Writing (strongly recommended)	3

Science

Phys 100, The Physical World (or alternate)	3
Biol 100, The Biological World (or alternate)	3
Biol 340, Field Experience in Environmental Education	3

Mathematics

Math 131, Math Concepts for Elementary Classroom I	3
Math 132, Math Concepts for Elementary Classroom II	3

History and Social Science

Hist 105 or 202, American History I or II	3
Educ 310, Education Psychology: Elementary	3

Physical education

PhEd 100, Wellness	1
PhEd 309, Physical Education for Children	2
Certification in first aid and CPR	0-1

Humanities

Hum 220-225, Humanities	4
Educ 330, Fine Arts for Children	3

Bible/religion/philosophy/peace studies

Bibl 100 or Bibl 200	3
PJCS 210, Transforming Conflict and Violence	3
Any Bible or religion class (except Greek or Hebrew language)	3

International/intercultural education

Foreign language competency (or alternate)	0-8
SST or alternate intercultural study	12-13

Professional education courses (K-6) (37 credit hours)

- Verification of competency in technology
- Educ 201, Foundations of Education 3
- Educ 300, Exceptional Students 3
- Educ 301, Curriculum Studies: Math 2
- Educ 303, Literacy I: Developmental 3
- Educ 304: Curriculum Studies: Social Studies 2
- Educ 308, Curriculum Studies: Science 2
- Educ 344, Adaptation and Assessment 3
- Educ 401, Child Development Practicum 1
- Educ 402, Student Teaching: Elementary 12
- Educ 406, Literacy II: Diagnostic 3

- Educ 409, Elementary Education Seminar..... 3

Additional requirements for Exceptional Needs: Mild Intervention (K-6) (12 credit hours)

- Educ 340, Learning Disorders 2
- Educ 342, Social and Emotional Disorders 2
- Educ 346, Special Education Issues 3
- Educ 415, Student Teaching: Exceptional Needs 5

Planning guide elementary education

First year

American History
 Biological World
 Wellness
 Bibl 100 or 200
 Colloquium
 Foundations of Education
 Literature and Writing
 Oral Communication
 Physical World
 Transforming Conflict and Violence
 Expository Writing (*strongly recommended*)

Second year

Children's and Adolescent Literature
 Exceptional Students
 Foreign language
 Humanities
 Math Concepts for Elementary Classroom I & II
 Educational Psychology
 Physical Education for Children
 Adaptation and Assessment
 SST (spring) or alternate

Third year

Field Experience in Environmental Biology
 Curriculum Studies: Math
 Curriculum Studies: Science
 Curriculum Studies: Social Studies
 Mediation Processes (*strongly recommended*)
 Fine Arts for Children
 Child Development Practicum
 Learning Disorders (*for exceptional needs certificate*)
 Literacy I: Developmental
 Literacy II: Diagnostic
 Social and Emotional Disorders (*for exceptional needs certificate*)

Fourth year

Bible or religion
 Elementary Education Seminar
 Special Education Issues (*for exceptional needs certificate*)
 Student Teaching (fall)
 Student Teaching: Exceptional Needs (spring)
 Conflict in Groups (*strongly recommended*)

Secondary education certification (grades 5-12 or K-12)

Modified general education requirement

Additional communication skills course, strongly recommended:

Engl 204, Expository Writing 3

For PJCS/Phil requirement:

PJCS 210, Transforming Conflict and Violence 3

For social science requirement:

Educ 309, Educational Psychology: Secondary 3

Professional education requirements (30 credit hours)

- Educ 201, Foundations of Education 3
- Educ 302, Adolescent Exceptional Learners..... 3
- Educ 309, Educational Psychology: Secondary..... 3
- Educ 314, Secondary Curriculum & Instruction: General Methods .. 2
- Educ 315, Secondary Curriculum & Instruction: Content Methods . 1*
- Educ 321, Middle School Curriculum & Instruction 3
- Educ 401, Child Development Practicum 1**
- Educ 403, Secondary Education Seminar..... 3
- Educ 405, Student Teaching 12

*For K-12 licensure, a content area methods course in the major department is required instead of Educ 315.

**For K-12 only

Planning guide secondary education

First year

- Colloquium
- Wellness
- Literature and Writing
- Oral Communication
- Bibl 100 or 200
- Transforming Conflict and Violence
- Science/Math
- Introductory courses in major

Second year

- General education history class
- Foundations of Education
- Educational Psychology
- General education science/math
- Expository Writing (strongly recommended)
- Mediation: Process, Skills and Theory (strongly recommended)
- Courses in major
- SST (spring) or alternate

Third year

- Adolescent Exceptional Learners
- Middle School Curriculum & Instruction
- Humanities
- Secondary Curriculum & Instruction: General Methods
- Secondary Curriculum & Instruction: Content Methods (not K-12 programs)
- Child Development Practicum (K-12 only)
- Courses in major/content area

Fourth year

- Balance of general education
- Balance of major and certification requirements
- Student Teaching (fall)
- Education Seminar
- Conflict in Groups (strongly recommended)

Certificate in conflict transformation for teachers

9 credit hours

This certificate may be added to an elementary, middle school, or secondary education program. For further information, consult with a member of the teacher education faculty. Education students who wish to complete the conflict transformation studies minor at the conclusion of their certificate requirements should declare the minor and consult with a PJCS adviser for further details.

- PJCS 210, Transforming Conflict and Violence 3
- PJCS 325, Mediation: Process, Skills and Theory 3-4
- PJCS 426, Conflict in Groups..... 3

Transition to Teaching (grades K-6 or 5-12)

Transition to Teaching (TtT) is an alternative certification program based on the premise that a candidate already has the content knowledge in the licensing area. Candidates must have completed an undergraduate degree in their field with at least a 3.0 GPA to be eligible for this program, based on Indiana state law. An assessment of content knowledge and skills will be completed for each candidate by the GC licensure adviser before entering the program. Additional course work may be a prerequisite for admission to the program. The 18 credit hours required for secondary and 24 credit hours required for elementary programs are for education coursework only. Candidates must verify basic technological proficiency in the fall, take an on-line course, or transfer credit for a course approved by the licensure adviser.

Courses listed for two credit hours are taught jointly with three credit courses, with modifications in assignments. TtT students pay for only two credit hours. Field experience is required for some classes.

Additional information about the Secondary Education TtT program is available at www.goshen.edu/education/Transition_to_Teaching.

Elementary education TtT curriculum

24 credit hours

First year fall semester

- Educ 300, Exceptional Students 2
- Educ 301, Curriculum Studies: Math 2
- Educ 303, Literacy I: Developmental..... 3
- Educ 310, Educational Psychology 2

First year spring semester

- Educ 304, Curriculum Studies: Social Studies 2
- Educ 307, Children's and Adolescent Literature 2
- Educ 308, Curriculum Studies: Science 2
- Educ 401, Child Development Practicum 1
- Educ 406, Literacy II: Diagnostic..... 2

Second year fall semester

- Educ 410, Transition to Teaching Practicum..... 6

Secondary education TtT curriculum

18 credit hours

For licensure in ASL, Business, English, French, German, Journalism, Mathematics, Science, Social Studies, Spanish or Theater arts. See the education department website for licensure in Music, Physical education or Visual arts.

First year fall semester

- Educ 201, Foundations of Education 2
- Educ 302, Adolescent Exceptional Learners..... 2
- Educ 321, Middle School Curriculum & Instruction (field experience)..... 3

First year spring semester

- Educ 309, Educational Psychology 2
- Educ 314, Secondary Curriculum & Instruction (field experience) ... 2
- Educ 315, Secondary Curriculum & Instruction: Content Methods ... 1

Second year fall semester

- Educ 410, Transition to Teaching Practicum..... 6

Education courses

EDUC 201 Foundations of Education 3

Includes both campus and field study of learning environments, classroom management and instructional methods that meet the needs of diverse student populations. The course emphasizes race, gender, ethnicity, socio-economic status, family structures, language and exceptionalities from a social justice, critical perspective in light of the historical, philosophical, and social foundations of education.

EDUC 300 Exceptional Students 3

A study of students with exceptionalities within a general education setting. Offers practical information on meeting exceptional needs within the context of general education. Provides basic information on identification procedures, characteristics of different categories of special education, instructional methods, materials, adaptations, and accommodations to meet the needs of diverse learners. Explores the professional context and collaborative nature of designing and implementing educational services for exceptional students. Tailored to meet developmental needs of elementary school learners. Field placement required.

EDUC 301 Curriculum Studies:Math 2

A study of mathematics pedagogy with an emphasis on conceptually sound and developmentally appropriate lessons. Includes selecting and evaluating topics of study, multiple representations of information and instructional strategies, interdisciplinary teaching, and using school and community resources. Also includes differentiation and modifications for special needs students. Field experiences in diverse classrooms. Enrollment limited to those who have been admitted to the teacher education program.

EDUC 302 Adolescent Exceptional Learners 3

A study of students with exceptionalities within a general education setting. Offers practical information on meeting exceptional needs within the context of general education. Provides basic information on identification procedures, characteristics of different categories of special education, instructional methods, materials, adaptations, and accommodations to meet the needs of diverse learners. Explores the professional context and collaborative nature of designing and implementing educational services for exceptional students. Tailored to meet developmental needs of middle and high school learners. Field placement required.

EDUC 303 Literacy I:Developmental 3

A study in the development of reading, writing, listening and speaking. Focus on standards-based, student-centered instructional methods, assessment and developing authentic engagement that leads to a life-long enjoyment of reading and writing in many modes and styles. A study of literacy development, methodology and curricular options for K-6 learners. Includes study of literacy and exceptional needs learners, and differentiation. Field placement in diverse classroom settings.

EDUC 304 Curriculum Studies:Social Studies 2

A study of social studies curriculum and pedagogy with special emphasis on instruction and assessment, including connecting curriculum to student's prior learning, abilities and needs. Field experiences in diverse settings.

EDUC 307 Children's & Adolescent Literature 3

A survey of children's and young adolescent literature studying genre, authors, illustrators, the art of writing and illustration; extensive reading in the field as well as writing a book for children.

- EDUC 308 Curriculum Studies:Science** 2
 A study of science pedagogy with an emphasis on conceptually sound and developmentally appropriate lessons. Includes selecting and evaluating topics of study; multiple representations of information and instructional strategies; and interdisciplinary teaching. Also includes study of ways to adapt curriculum for special needs students. Field experiences in diverse settings. Enrollment limited to those who have been admitted to the teacher education program..
- EDUC 309 Educational Psychology:Secondary** 3
 A study of human developmental theories, learning processes and individual preferences within the classroom. Offers theoretical information on how to appreciate student diversity and identify successful, research-based teaching practices for teaching diverse learners. Observation, hypothesis testing and social scientist techniques are used to develop reflective teachers both in theoretical knowledge and practice in a field placement. Classroom management, motivation, and behavior analysis are emphasized. Tailored to meet developmental needs of middle and high school learners.
- EDUC 310 Educational Psychology:Elementary** 3
 A study of human developmental theories, learning processes and individual preferences within the classroom. Offers theoretical information on how to appreciate student diversity and identify successful, research-based teaching practices for teaching diverse learners. Observation, hypothesis testing and social scientist techniques are used to develop reflective teachers both in theoretical knowledge and practice in a field placement. Classroom management, motivation, and behavior analysis are emphasized. Tailored to meet developmental needs of elementary school learners.
- EDUC 314 Sec Curr & Instruct:General Methods** 2
 General class sessions emphasize planning, classroom management, multicultural teaching, instructional strategies and school reform. Subject-specific class sessions concentrate on curriculum and instruction in those subject areas. To be taken concurrently with Educ 315 the year prior to student teaching.
- EDUC 315 Sec Curr & Instruct:Content Methods** 1
 Subject-specific class sessions concentrate on curriculum and instruction in those subject areas. To be taken concurrently with Educ 314 the year prior to student teaching. Not required for ENL, music, art or physical education content areas.
- EDUC 321 Middle School Curr & Instruction** 3
 Includes both campus and field study of learning environments, classroom management, and instructional methods that meet the needs of diverse student populations particularly as they pertain to 5th - 8th graders.
- EDUC 330 Fine Arts for Children** 3
 A study of drama, art and music as it pertains to the elementary classroom. Participatory experiences, integration across the arts and integration of the arts into the classroom.
- EDUC 340 Learning Disorders** 2
 The study of assessment, identification, characteristics and instruction of elementary students with learning disabilities provides a foundation for accommodating all students with learning challenges, whether or not they are eligible for special education. Traditional and contemporary measures (Response to Intervention) are explored and practiced within a field placement.
- EDUC 342 Social and Emotional Disorders** 2
 The study of assessment, identification, characteristics and instruction of elementary students with emotional disabilities provides a foundation for accommodating students with difficult behaviors, whether or not they are eligible for special education. Legislative mandates (Functional Behavior Assessment/Behavior Intervention Plans) are explored and practiced within a field placement.

EDUC 344 Adaptation and Assessment	3
A study of multiple forms of assessment and record keeping provides a focus on selection, utilization and interpretation of a wide variety of formal and informal assessments. Communication of information to parents and colleagues is a focus. Using assessment to guide instruction and interventions for both individuals and groups is central.	
EDUC 346 Special Education Issues	3
Issues and policy in special education that directly apply to schools and teachers are explored including law, politics, legislation, parent issues, community issues, and collaboration within the educational system. To be taken concurrently with Educ 415.	
EDUC 401 Child Development Practicum	1
A study of child development. Focuses on learning theory and the importance of play for young children. Will include a field experience based on the application of developmentally appropriate practice. Required for elementary K-6, K-12 art, ENL, music and physical education content areas.	
EDUC 402 Student Teaching:Elementary	12
At least 12 weeks of full-day student teaching in elementary schools under the supervision of a licensed elementary teacher and a faculty member from the GC education department. Includes several workshops on campus to reflect on important teaching issues.	
EDUC 403 Secondary Education Seminar	3
An intensive three-week seminar immediately following Educ 405. Uses licensure portfolio as a frame and also focuses on: educational philosophy, classroom management and discipline, evaluation, integration of faith and teaching. Includes student projects and presentations, group work, variety of approaches to individual reflection on teaching, and preparation of the licensure and presentation portfolios. Corequisite: Educ 405.	
EDUC 405 Student Teaching:Secondary	12
At least 12 weeks of full-day student teaching in a secondary school under the supervision of a teacher licensed in the student teacher's major teaching area and a GC faculty member. Includes several workshops on campus to reflect on important teaching issues.	
EDUC 406 Literacy II: Diagnostic	3
A second course in literacy focusing on observing and recording children's literacy behaviors closely to be able to support struggling readers and writers and prevent further difficulties in developmentally appropriate ways. Emphasis on strategic, standards-based and student-centered teaching, grounded in the psychosocio-linguistic nature of language. Includes tutoring a struggling reader. Prerequisite: Educ 303.	
EDUC 407 Field Studies	1 (1-2)
Individual study, research or field experience on a variety of topics.	
EDUC 408 Studies in Education	1
Individual study, research or field experiences on a variety of topics.	
EDUC 409 Elementary Education:Seminar	3
An intensive three-week seminar immediately following Educ 402. Uses the licensure portfolio as a frame and also focuses on: educational philosophy, classroom management and discipline, evaluation, integration of faith and teaching. Includes student projects and presentations, group work and a variety of approaches to individual reflection on teaching and preparation of the licensure and presentation portfolios. Corequisite: Educ 402.	
EDUC 410 Transition to Teaching Practicum	6
Student teaching for those enrolled in the Transition to Teaching program (TtT). Requires	

Academic departments and courses : Education

at least 12 weeks of full-day student teaching under a supervising teacher. Also includes preparation for licensure and formation of a presentation portfolio.

EDUC 415 Student Teaching:Exceptional Needs 5

Student teaching encompasses ten (10) weeks of half-day student teaching in a mild disability context under the close supervision of a supervising teacher licensed for mild disabilities and a Goshen College faculty member. This experience focuses on assessment, planning, instruction, and intervention following Indiana Division of Educator Licensing and Development Standards 3, 4, 5, 6, 7, & 8 for Teachers of Exceptional Needs. To be completed concurrently with Educ 346.

English

Professors B. Martin Birky (chair), A. Hostetler

Associate Professor C. Barnett

Assistant Professors J. Baldanzi, J. Bruneau, K. Schlabach

Introduction

The English department offers three majors, three minors and a one-year certificate. Five teacher certification options are also available.

- [Major and minor in English](#)
- Major in English writing and minor in writing
- [Major and minor in teaching English to speakers of other languages \(TESOL\)](#)
- Certificate in teaching English to speakers of other languages (TESOL)

Visit the English department Web site at www.goshen.edu/english for more information.

The English department is committed to examining human values and expression through the study of both the production of and response to texts in diverse cultural contexts. Literature courses feature national and global literary traditions, genre studies, popular and canonical trends, and textual analysis. Writing courses teach the expository, creative, and research strategies needed for students to express themselves professionally and personally. While developing skills in purposeful thinking, logical organization, and clear expression, students also have opportunities to share their writing through publication or public presentation. Language courses teach historical and sociological frameworks for language development, as well as a respect for the power of language as a social and artistic tool.

Co-curricular opportunities in publishing include writing, editing, and producing student work through *Broadside*, Pinch Penny Press, *Red Cents*, and the Horswell fellowship.

Students choosing the major in English may customize their degrees with a balance of literature, writing and language courses. With an English minor, students from any discipline can select literature, language, or writing courses that support their professional goals and personal interests. The English minor will help students become critical thinkers and readers and accomplished communicators.

Students who select the major in English writing will develop skills in multiple genres, with specific attention to the cultural and professional contexts in which their writing will appear. Literature and arts-related requirements allow students to explore creative expression in Visual Art, Music, or Theater. The writing minor, taught in collaboration with the Communication department, enables students to expand their abilities as authors of creative and nonfiction texts. The writing minor provides complementary skills for students of any profession.

The TESOL major uses a strong intercultural framework to prepare students to teach and serve in many different educational settings. The TESOL minor provides students with the fundamental skills needed to be successful teachers of English to speakers of other languages in situations other than the public school system (for example, in service work abroad). A one-year TESOL certificate may be earned by students with a minimum background of one year of college and skill in a second language equal to 102-college level.

Teacher education certification in English and TESOL

In collaboration with the Education department, the English department offers five different teacher education state certification programs that equip students to teach English or English Language Learners (ELL) in public schools and elsewhere:

- **Grades 5-12 certification in English/language arts education:** in addition to, or as part of, the English major, students complete Engl 201 or 307; Engl 319; Comm 200; Comm 206 or Intl 256; Educ 307; a writing course; a film or performance course; and the Secondary Education track in the Education department, including a semester of student teaching.
- **Grades K-6 certification in English language learners education (ELL):** students complete the normal Elementary Education major and Engl 204, 310, 315, 319, 320 and 325 (unless student teaching is done in ELL).
- **Grades 5-12 certification in ELL:** students complete the TESOL major and the Secondary Education track in the Education department.
- **Grades K-12 certification in ELL:** students complete the TESOL major and the Secondary Education track and take Engl 325 for 2 credits.
- **Grades K-12 (ELL) and 5-12 (Language) certification in bilingual/bicultural education:** students complete the TESOL major, Educ 307, and 21 credit hours of foreign language (level 202 or higher), which should include a semester overseas with Brethern Colleges Abroad (BCA), and the Secondary Education track in the Education department.

Honors thesis

Students who wish to complete a major scholarly or creative project as part of their English, English Writing or TESOL major may enroll in Engl 499, English Honors Thesis, a three-credit hour independent study designed for this purpose.

Career and postgraduate opportunities

English is a versatile major that prepares students for a wide range of jobs after graduation. English graduates are employed around the world, in occupations such as teaching, law, library science, publishing, public relations, journalism, and museum studies. Many graduates have gone on to service with church agencies, the ministry, or nonprofit management or administration. Their superior critical thinking, language, and writing skills have also led to successful careers in business, medicine, web development, and social services. A significant number of TESOL graduates are engaged in teaching English as a second language in the U.S. and abroad, as well as serving in legal and business translation. Learning to read critically and write clearly provides a strong base for graduate schools in literary study as well as in many other fields.

Major in English

39 credit hours

- Engl 201, World Literature 3
- Engl 204, Expository Writing 3
- Engl 300, Critical Theory and Practice 3
- One British Literature course 3
Engl 301, British Literature I *or*
Engl 302, British Literature II
- One American Literature course 3

Engl 303, American Literature I or	
Engl 309, American Literature II	
• Engl 315, The English Language	3
• Engl 409, Senior Practicum	1-2
• Engl 410, English Senior Seminar	2
• Elective courses in English	15
• Related course selected from the following:	3
Aesthetics, Art History, Bible/Religion, Children's and Adolescent Literature, Communication, History, Linguistics, Modern and Classical Languages and Literatures, Music History, Sociology, Peace/Justice/Conflict Studies, Philosophy, TESOL Methods, Theater, Women's Studies	

Planning guide

First year General education
 Literature and Writing *or* Introduction to Literature
 World Literature
 Introduction to Creative Writing
 Literature and Popular Culture

Second year General education, including Humanities
 Expository Writing
 Critical Theory and Practice
 British or American Literature course
 Literature of Ethnicity, Gender and Race
 SST

Third year General education
 American or British Literature course
 The English Language
 English electives
 Related course

Fourth year Balance of general education
 Balance of major and related courses
 Senior Practicum
 Senior Seminar

Planning and advising notes

Students earning AP or CLEP credit in English are strongly encouraged to take Engl 210, Engl 204 or both during the first year. AP Literature or Language test scores of 4 or 5 fulfill the general education requirement; a score of 3 enables students to choose between Engl 110, Engl 210, or Engl 204 to fulfill general education requirements. Engl 210 may also count as an English elective in the major.

In general education, English majors should take a section of the Humanities course that covers fields other than literature (HUM 223, 224, or 225).

Nine credit hours of the English elective courses in the major must be upper level (300-400 level). Advanced Placement (AP) courses may not count as English electives.

The related course in the major may not be an applied courses (such as *Record* editing or music lessons or a studio art class) or be used to fulfill requirements of general education. The related course may be counted toward another major only if it is specifically required by that major. See Academic policies and requirements.

All teacher certification programs require PJCS 210 for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the *Teacher Education Handbook* for more details about requirements.

Students doing student teaching for English/Language Arts Secondary Education or TESOL Certification, or TESOL majors doing TESOL Field Experience must take Engl 319, English Grammar instead of Engl 409, English Practicum.

English majors are encouraged to get involved with communication or English co-curricular activities such as *The Record*, *The Maple Leaf*, Pinch Penny Press, *Broadside*, or *Red Cents*. Comm 200, Communication Practice or Engl 290, English Publishing are recommended in the third year.

Students with a second major, in addition to an English major, may choose to take a senior seminar in either major field. Students who elect not to enroll in Engl 410, English Senior Seminar, must complete a senior portfolio for graduation. See the department chair for guidelines.

Major in English writing

40 credit hours

- Engl 120, Creative Writing..... 3
- Engl 201, World Literature..... 3
- Engl 204, Expository Writing 3
- Engl 280, Sophomore Portfolio 1
- Engl 312, Writing Workshop (repeatable to 3 credit hours)..... 1
- Engl 315, The English Language 3
- Engl 319, English Grammar 1
- Three Writing Courses..... 9
 - Comm 308, Feature Writing
 - Engl 330, Writing Fiction
 - Engl 332, Writing Poetry
 - Engl 334, Writing Creative Nonfiction
 - Thea 334, Playwriting
- Two Literature/Language electives 6
 - Engl 210, Introduction to Literature
 - Engl 207/307, Literature of Ethnicity, Gender and Race
 - Engl 230, Literature and Popular Culture
 - Engl 300, Critical Theory and Practice
 - Engl 301, 302, 303, 309, British or American Literature
 - Engl 305, Genre Studies
 - Engl 306, Major Author
 - Engl 310, Introduction to Linguistics
- One course in media context or production experience 3
 - Art 107, Design
 - Comm 108, Digital Design
 - Comm 250, Writing for Media
 - Comm 255, Photocommunication
 - Comm 260, Broadcast Writing
 - Comm 326, Creating for the Web
 - Comm 350, Reporting for the Public Good
- Engl 408, Senior Writing Practicum..... 2
- Engl 410, English Senior Seminar..... 2
- Related course in the Arts selected from the following: 3
 - Art 341, 342, or 343, History of Art
 - Art/Mus/Thea 355, Arts in London
 - Mus 204, Survey of Music Literature
 - Thea 225, Introduction to Theater
 - Thea 235, The Power of Story
 - Thea 245, Aesthetics
 - Thea 387, History of Theater

Planning guide

- First year** General education
Literature and Writing *or* Introduction to Literature
Introduction to Creative Writing
World Literature
Expository Writing

- Second year** General education
Writing elective
Writing Workshop
Media context/production experience course
Sophomore portfolio
SST

- Third year** General education
Writing elective
Literature elective
The English Language, English Grammar
English publishing or communication practice (encouraged)
Related arts course

- Fourth year** Balance of general education
Balance of major
Senior Writing Practicum
Senior Seminar

Planning and advising notes

Students completing the sophomore portfolio should meet with the English writing program adviser in the fall of their sophomore year.

English writing majors are encouraged to get involved with Communication or English co-curricular activities such as *The Record*, *The Maple Leaf*, Pinch Penny Press, *Broadside*, or *Red Cents*. Comm 200, Communication Practice or Engl 290, English Publishing are recommended in the third year.

Students with a second major, in addition to an English writing major, may choose to take a senior seminar in either major field. Students who elect not to enroll in Engl 410, English Senior Seminar, must complete a senior portfolio for graduation. See the department chair for guidelines.

Major in teaching English to speakers of other languages (TESOL)

39-42 credit hours

- Comm 206, Communicating Across Cultures 3
- Educ 303, Literacy I..... 3
- Educ 406, Literacy II..... 3
- One of the following literature courses 3
Engl 201, World Literature (required if not pursuing teacher licensure in ELL)
Educ 307, Children's and Adolescent Literature (required for ELL teacher licensure)
- Engl 204, Expository Writing 3
- Engl 310, Introduction to Linguistics..... 3
- Engl 315, The English Language 3
- Engl 319, English Grammar 1
- Engl 320, Methods of TESOL..... 4
- Engl 325, TESOL Practicum 2-3
- Engl 410, English Senior Seminar..... 2

- Additional foreign language beyond the 102-level basic requirement.
3
- Two intercultural studies courses selected from the following: 6
Educ 307, Children's and Adolescent Literature (an option here, if not obtaining ELL licensure)
Engl 201, World Literature (an option here, if obtaining ELL licensure)
Engl 207/307, Lit of Ethnicity, Gender, Race
Hist 101 or 203, World History I or II
Any courses on the "SST Alternate" list in the International Education department (which may not double count as SST alternates)

Planning guide for TESOL major

First year General education
Literature and Writing *or* Introduction to Literature
World Literature
Language courses for 102-level prerequisite
Communicating Across Cultures
Intercultural studies elective

Second year General education
Expository Writing
English Grammar
Additional foreign language
SST

Third year General education
Introduction to Linguistics
The English Language
Education courses
Intercultural studies courses
Methods of TESOL
TESOL Practicum

Fourth year Balance of general education
Balance of major and related courses
English Senior Seminar

Planning and advising notes

For the K-6 and 5-12 ELL certifications, students should either do student teaching in ELL (instead of Engl 325) or else do a non-ELL student teaching placement and then Engl 325 for 2 credits. For K-12 ELL certification, students should do ELL student teaching with one age group (e.g., elementary students) and then Engl 325 for 2 credits with another age group (e.g. high school students). Non-Teacher Education students should do Engl 325 for 3 credits.

To complete the major, the minor, or the one-year certificate, students must demonstrate basic competence in some foreign language through the 102 level by testing or by courses. The "additional foreign language" requirement beyond the basic competence may be in the same language or a third language. Also, ASL may count as the basic foreign language or as the additional foreign language, but not as both.

All teacher certification programs require PJCS 210 for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the [Teacher Education Handbook](#) for more details about requirements.

Students doing student teaching for English/Language Arts Secondary Education or TESOL Certification, or TESOL majors doing TESOL Field Experience must take Engl 319, English Grammar instead of Engl 409, English Practicum.

Students with a second major, in addition to a TESOL major, may choose to take a senior seminar in either major field. Students who elect not to enroll in Engl 410, English Senior Seminar, must complete a senior portfolio for graduation. See the department chair for guidelines.

Minor in English

18 credit hours

- Engl 204, Expository Writing 3
- Any courses in the English department 15

Note: At least 8 credits must be 300 level or above. Advanced Placement (AP) courses may not count toward this minor.

Minor in writing

18 credit hours

- Comm/Engl 204, Expository Writing 3
- One of the following individualized courses: 3
Comm 412, Special Project
Engl 280, Sophomore Portfolio *and* Engl 408, Senior Writing Practicum
- Courses in journalistic and/or creative writing selected from the following 12
Comm 250, Writing for Media
Comm 260, Broadcast Writing
Comm 308, Feature Writing
Comm 326, Creating for the Web
Comm 350, Reporting for the Public Good
Engl 120, Introduction to Creative Writing
Engl 312, Writing Workshop
Engl 330, Writing Fiction
Engl 332, Writing Poetry
Engl 334, Writing Creative Nonfiction
Engl 336, Special Topics in Writing
Thea 334, Playwriting

Planning and advising notes

Students should choose an adviser from the communication or English faculty, depending on their particular field of interest.

Writing minors are encouraged to get involved with communication or English co-curricular activities, including *The Record*, *The Maple Leaf*, *The Correspondent*, Pinch Penny Press, *Broadside*, and *Red Cents*.

Students registering for Comm 412, Special Projects or Engl 408, English Writing Practicum must meet with an adviser and have a proposal approved in the semester prior to registering.

Minor in teaching English to speakers of other languages (TESOL)

20 credit hours

- Engl 310, Introduction to Linguistics 3
- Engl 315, The English Language 3
- Engl 319, English Grammar 1
- Engl 320, Methods of TESOL 4

- Engl 325, TESOL Practicum or Student Teaching in ELL 3
- Additional intercultural studies courses 6
selected from the "SST Alternate" list (which may not double count as SST alternates) or additional foreign language courses beyond the general education prerequisite.

Planning and advising notes

To complete the minor, students must demonstrate basic competence in some foreign language through the 102 level by testing or by courses. The "additional foreign language" courses may be in the same language or a third language. Also, ASL may count as the basic foreign language or as the additional foreign language, but not as both.

Certificate in teaching English to speakers of other languages (TESOL)

30 credit hours

- Engl 310, Introduction to Linguistics 3
- Engl 315, The English Language 3
- Engl 319, English Grammar 1
- Engl 320, Methods of TESOL 4
- Engl 325, TESOL Practicum 3
- Additional intercultural studies courses 3-4
selected from the "SST Alternate" list (which may not double count as SST alternates) or additional foreign language beyond the 102-level pre-requisite.
- Bible or religion class 3
- Additional elective courses 9-10

Planning and advising notes

The foreign language requirement pre-requisite is the same as for the TESOL minor.

English courses

ENGL 105 Introduction to College Writing 3

Introduction to college-level reading and writing skills. Next course is Engl 110 to fulfill General Education requirements. This course is required for students who have not yet met the with SAT Critical Reading or Writing score of 430 or above, ACT English/ Writing score of 18 or above; or students whose GPA in high school English courses indicate a need for additional development of college-level writing and study skills.

ENGL 110 Literature and Writing 3

Critical reading, thinking, and writing using literary and nonliterary texts focused on themes chosen by individual professors. Instruction in writing argumentative prose and the cross-disciplinary research essay. Prerequisite: Successful completion of Engl 105, SAT Critical Reading or Writing score of 431 or higher, or ACT English/Writing score of 19 or higher.

ENGL 120 Introduction to Creative Writing 3

An introduction to the writing of poems, short stories and creative nonfiction, with emphasis on writing, reading and discussion. Written evaluations for credit instead of letter grades.

ENGL 201 World Literature 3

Study of literature written in English outside of the United Kingdom and the United States that deals in a significant way with the intersection of cultures, particularly postcolonial literature from Africa, Asia, the Caribbean and Latin America.

- ENGL 204 Expository Writing** 3
 Theory and practice of written communication. Assignments in a variety of prose forms aim at developing the student's control of logic, organization, rhetoric, usage, and audience accommodation. Prerequisite: Engl 110 or Engl 210 or equivalent.
- ENGL 207 Lit of Ethnicity, Gender, Race** 3
 Study of literature shaped distinctively by cultural and theoretical concerns related to ethnicity, gender and race. Students may take Engl 207 more than once if different topics. Specific topics, announced in advance, include the following:
Irish Literature in Ireland. Field studies in the cultural geography of 20th-century Irish authors with particular attention to the way politics, gender, religion, and violence have shaped Irish writing. Conducted during May or summer term at urban and rural locations in the Republic of Ireland.
American Indian Literature. Contemporary fiction and poetry by writers from a variety of American Indian traditions and backgrounds, with special emphasis on historical and cultural contexts and the revitalization of tribal practices, spirituality, ceremony and oral tradition.
African-American Literature. Twentieth-century fiction, poetry and essays spanning the broad range of African-American experiences, with an emphasis on the history of race in America as it informs the literary tradition. Literature integrated with music, art and performance.
Mennonite Literature. Recent literature -- mainly poetry and fiction -- by U.S. and Canadian Mennonite writers, studied in relation to Mennonite history, culture and theology.
Women in Literature. The study of literature written by women (mainly fiction and poetry) and of related issues such as the literary canon, gender representation and feminist literary theory. The syllabus will often include classic and contemporary women's literature by British, American, and World authors.
- ENGL 210 Introduction to Literature** 3
 Analysis of literary texts in a genre chosen by individual professors. Instruction in literary analysis essay and literary research essay. Prerequisite: Engl 110, AP or CLEP credit, SAT Critical Reading or Writing score of at least 630, ACT English/Writing score of at least 28, or permission of instructor.
- ENGL 230 Literature and Popular Culture** 3
 Study of literature in relation to film, television, or other media of popular culture. Specific topics, announced in advance, may include Arthurian Literature and Film, the Graphic Novel, or Global Images in Film. Students may take Engl 230 more than once if different topics.
- ENGL 280 Sophomore Writing Portfolio** 1
 Guided instruction on portfolio development, including editing and revising skills needed for advanced writing courses. Prerequisite: Engl 204 and one additional writing course.
- ENGL 290 English Publication** 1 (1-2)
 Applied work in publication (Pinchpenny Press, Broadside, Red Cents, the department newsletter or blog). Students choosing to publish with Pinchpenny Press must register for this course, select a faculty adviser, and fulfill stated requirements. Instructor permission required. Prerequisite: Engl 204 and two additional writing courses.
- ENGL 300 Critical Theory & Practice** 3
 This course examines critical interpretive strategies and theories as applied to several literary genres. In addition, the course introduces students to important research skills involved in the production of literary criticism. Intended as an introduction to the English major and as an elective for other (usually upper-level) students. Prerequisite: Any college-level literature course beyond Engl 110.

ENGL 301 British Literature I	3
Development of British literature from Beowulf through the medieval period, Renaissance, and 18th century, with special attention to questions of canon, context, and identity. Prerequisite: Engl 110 or 210.	
ENGL 302 British Literature II	3
Development of British literature from the Romantic era through the Victorian, modern and post-modern periods, with special attention to issues of modernity, industrialization, imperialism, and globalization. Prerequisite: Engl 110 or 210.	
ENGL 303 American Literature I	3
Development of American literature, culture, and literary identity from colonial times to the 19th century. Prerequisite: Engl 110 or 210.	
ENGL 305 Genre Studies	3
Study of a single genre as announced, sometimes with focus on writings of a specific period or place. Typical offerings include: <i>Contemporary Drama</i> . Study of dramatic literature from the modernists to the present. <i>History of the Novel</i> . The reading and study of significant works illustrating the development of the novel. <i>Contemporary Poetry</i> . The reading and study of poetry and poets working since 1945. In addition to critical writing, each student will practice writing poems in an effort to better understand the creation and artistic nature of poetry. <i>Cultural Studies</i> . The study of a genre of literature in relation to a specific cultural topic. Offerings may include Eugenics and Modernist Prose, or The Idea of Labor and Nineteenth-Century Fiction. Prerequisite: Engl 110 or 210.	
ENGL 306 Major Author	3
A study of a major author or of two authors in comparison. Shakespeare every other year. In the alternate years, recent choices include Chaucer, Faulkner and Morrison. Prerequisite: Engl 110 or 210.	
ENGL 307 Lit of Ethnicity, Gender & Race	3
Same as Engl 207, with reading and research assignments that broaden and deepen the student's engagement with the topic. Students may take Engl 307 more than once if different topics. Prerequisite: Engl 110 or 210.	
ENGL 309 American Literature II	3
Development of American literature from the 19th century to the present. Study of literature that explores American identities, including European-American, American Indian and African-American. Prerequisite: Engl 110 or 210.	
ENGL 310 Introduction to Linguistics	3
Different ways of looking at language: how languages' systems of sounds, word structures, grammatical patterns and meaning constructions function. Insights useful for language learning, teaching and appreciation of English and language in general.	
ENGL 312 Writing Workshop	1
Intensive one-week workshop in writing, usually conducted by a visiting author during the first week of the Spring semester. Repeatable. Prerequisite: Any college-level creative writing course.	
ENGL 315 The English Language	3
The study of the sound system, history, and varieties of the English language, followed by exploration of current developments in sociolinguistics, dictionaries, and word formation. The course cultivates an informed attitude toward English usage.	
ENGL 319 English Grammar	1
A detailed study of the grammar of English. Designed especially for future teachers of ELL or high school English. Prerequisite: Previous or concurrent enrollment in Engl 310 or foreign language competence through the 102 level.	

- ENGL 320 Methods of TESOL** 4
Primary topics addressed are theories of language learning, general TESOL approaches, methods for the teaching of specific language skills, materials preparation and assessment issues in ELL. A concurrent internship (teaching English to a nonnative speaker) brings reality to the theories. Prerequisite: Engl 310 or foreign language competence through 102-level.
- ENGL 325 TESOL Practicum** 3 (2-3)
Supervised teaching in the U.S. or abroad when appropriate supervision can be arranged. Teacher Education students seeking a K-6 or 5-12 ELL certification who do their student teaching in ELL do not need to take this course. Those who don't do student teaching in ELL and those seeking K-12 certification will need to take this course for 2 credits (60 hours of teaching). Non-Teacher Education students should take the course for 3 credits (100 hours of teaching). Prerequisite: Engl 320 and consent of instructor.
- ENGL 330 Writing Fiction** 3
A workshop course in writing short fiction, with special attention to issues of setting, character, plot, dialogue and point of view. Readings by contemporary writers. Written evaluations for credit instead of letter grades. Enrollment limited to 15 per section.
- ENGL 332 Writing Poetry** 3
A workshop course in writing poetry in a variety of forms, with special attention to imagery, sound, line, meter and revision. Readings in classic and contemporary poetry. Written evaluations for credit instead of letter grades. Enrollment limited to 15 per section.
- ENGL 334 Writing Creative Nonfiction** 3
A workshop course in writing the personal essay and nonfiction prose, with special attention to creating a personal voice and applying creative writing techniques to nonfictional subjects. Students will read and discuss examples of creative nonfiction and prepare two longer essays for a final portfolio. Written evaluations for credit instead of letter grades. Enrollment limited to 15 per section
- ENGL 336 Special Topics in Writing** 3
A workshop course in special writing topics by genre (such as Autobiography, the Essay) or theme (such as Writing for Social Justice). Written evaluations for credit instead of letter grades. Enrollment limited to 15 per section.
- ENGL 408 Senior Writing Practicum** 2
English Writing majors develop a final writing portfolio under supervision of faculty adviser. Prerequisite: Engl 204, 280, three English writing courses, and permission of instructor.
- ENGL 409 Senior Practicum** 1 (1-2)
English majors propose independent projects in research, off-campus field experience, or internship. Prerequisite: Engl 204, 300, and three upper-level literature courses, and permission of instructor.
- ENGL 410 English Senior Seminar** 2
Weekly meetings of departmental majors and faculty for an exchange of views on such topics as vocations, curriculum and ethical/spiritual issues related to a life-long study of literature and language.

History and political science

Professors S. Nolt (chair), J. D. Roth, J. B. Shetler

Introduction

The history and political science department offers two majors and a minor. Two additional minors in Anabaptist-Mennonite studies and social policy are offered in collaboration with several other departments. In addition, the history department also serves as the advising home for students planning to attend law school.

- Major in history
- Major in history and social research
- Minor in history
- Minor in Anabaptist-Mennonite studies
- Minor in social policy
- Pre-law studies recommendations

Special resources for the study of history at Goshen College include the [Mennonite Historical Library](#), the Archives of the Mennonite Church and [The Mennonite Quarterly Review](#), a respected scholarly journal published by Goshen College.

Visit the history and political science department Web site at www.goshen.edu/history.

Career and postgraduate opportunities

Recent graduates with history majors teach social studies in high school or a specialty in college. Some are employed in libraries, archives and education administration. Others are in church vocations, law, business and administration.

Teacher education certification in social studies

Teacher certification in social studies education is available for grades 5-12. Required are 54 credits in social science, with at least 12 credits each in three areas chosen from economics, historical perspectives, geographical perspectives, government, psychology, or sociology. Other requirements of a Goshen College major in history, psychology or sociology must be met as well. In addition, 30 credits of education courses are required, including a fall semester of student teaching. PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the [Teacher Education Handbook](#) for more details about requirements.

Major in history

42-43 credit hours (core and one concentration area)

Core requirements (30-31 credit hours)

- Comm/Engl 204, Expository Writing 3
- U.S. and world history courses, at least 10 credit hours upper level (300 and above) 19
- Hist 409, Internship (or student teaching for education majors) 2-3
- Hist 410, History Seminar: Analysis 3
- Hist 411, History Seminar: Synthesis 3

Social science concentration (12 credit hours)

- Courses selected from at least three of the fields below:
 - Economics
 - Political science
 - Sociology
 - Peace, justice and conflict studies

Humanities concentration (12 credit hours)

- Courses selected from at least three of the fields below:
Literature
Philosophy
Bible or religion
Art, Music or Theater history

Planning guide

First year General education
World and/or European History
American History I

Second year General education
World Geography
History of Global Poverty
Courses in concentration
SST (fall or spring)

Third year General education
History Seminar: Analysis
Upper-level history
Balance of concentration

Fourth year Balance of general education
Balance of major
History Seminar: Synthesis
Internship

Planning and advising notes

All history majors are encouraged to acquire proficiency in a foreign language equal to the intermediate (202) level.

Major in history and social research

42-43 credit hours

Core requirements (30-31 credit hours)

- Comm/Engl 204, Expository Writing 3
- U.S. and world history courses, at least 10 credit hours upper level (300 and above) 19
- Hist 409, Internship 2-3
- Hist 410, History Seminar: Analysis 3
- Hist 411, History Seminar: Synthesis 3

12 hours chosen from:

- Bus 220, Office Software Productivity 3
- Econ 207, Introduction to Statistics 3
- PoSc 210, Introduction to Public Policy 3
- Soc 200, Principles of Sociology 3
- Soc 391, Methods of Social Research I 3
- Soc 392, Methods of Social Research II 3

Planning and advising notes

Internship and Senior-Seminar work should utilize various research skills. The student's faculty adviser will encourage taking additional elective courses in economics, sociology and political science. This major is designed to provide the student with library, statistical and field-research skills useful in business, public administration, law and other practical pursuits. A variety of history courses provides a broad perspective rather than merely a technical orientation.

Minor in history

18 credit hours

- Hist 100, 101, 102 or 105 3
- Additional history courses, at least 9 credit hours upper level (300 and above) 15

Minor in Anabaptist-Mennonite studies

18 credit hours

- Core courses selected from the following list: 12
 Engl 207/307, Mennonite Literature
 Hist 318, Anabaptist/Mennonite History
 Hist 321, History of Mennonites in America
 PJCS 312, War, Peace and Nonresistance
 Topics course or Independent study: Hist 375 or Soc 351
- Elective courses selected from core courses above or the following list: 6
 Hist 304, Renaissance and Reformation
 Mus 311, Topics in Music Literature (church music)
 Rel 320, Christian Faith
 Soc 334, Race, Class and Ethnic Relations
 French, German or Spanish special project with Anabaptist/Mennonite focus
 Related course taken at Associated Mennonite Biblical Seminary
 Internship with a Mennonite organization or congregation

Planning and advising notes

It is assumed that students who apply these courses to the minor will do a focused study (paper or project, e.g.) that makes an explicit connection with an Anabaptist-Mennonite topic.

Minor in social policy

The social policy minor at Goshen College is a collaborative cross-disciplinary program for students who want to work for social change within the public sector or nonprofit organizations. The minor is described in the [sociology](#), [social work and anthropology](#) department pages.

Pre-law studies

In addition to completing requirements for an undergraduate major of their choice, students interested in attending law school should select elective courses from the following list:

- Bus 310, Business Law 3
- Comm 270, Media Law and Ethics 3
- Econ 203, Principles of Microeconomics 3
- Econ 204, Principles of Macroeconomics 3
- Engl 204, Expository Writing 3
- Hist 326, Recent American History 3
- Hist 327, American Immigration and Ethnic History 3
- Nurs 309, Health Care Ethics 2
- Phil 200, Introduction to Philosophy 3
- Phil 302, Ethics and Morality 3
- PJCS 210, Transforming Conflict and Violence 3
- PJCS 325, Mediation: Process, Skills, Theory 3-4
- PJCS 347, Justice/Restorative Justice 3
- PJCS 350, Dynamics/Theology of Reconciliation 3
- PoSc 200, Introduction to Political Science 3

- PoSc 210, Introduction to Public Policy 3
- PoSc 305, United States Government 3
- Soc 200, Principles of Sociology 3
- Soc 322, Social Policy and Programs 3
- SoWk 350, Human Services: Special studies 3

History courses

HIST 100 Human Stories-Colloquium 3

A topic course designed for the first-year colloquium. Provides an introduction to historical modes of inquiry based on themes of particular interest to the instructor. Topics in the recent past have included: "Leadership in American History," "History of Childhood" and "Utopian Thought in the Western Tradition."

HIST 101 World History I 3

History of the world from the agricultural revolution to European expansion, concentrating on the establishment and interaction of classical traditions in the non-western world. Also introduces the study of history as an academic discipline and how the historian uses primary sources.

HIST 102 European History 3

Selected topics in European civilization from the Middle Ages through the Renaissance, Reformation, Age of Absolutism to the 18th-century Enlightenment and French Revolution.

HIST 105 American History I 3

History of the American colonies and the United States through the Civil War and Reconstruction. Also introduces the study of history as an academic discipline.

HIST 202 American History II 3

U.S. from the period of rapid industrialization and immigration to the present with an emphasis on social history. Also introduces the study of history as an academic discipline.

HIST 203 World History II 3

History of the world from European expansion to the present, with an emphasis on understanding the foundations of a global society. Also introduces the study of history as an academic discipline through the analysis of approaches to historical causation.

HIST 240 World Geography 3

Survey of the world's geographic regions with emphasis on the impacts humans have had on the physical environment and explanation for variation of the world's regions. Course includes regular discussion of current issues in world affairs.

HIST 255 History of Global Poverty 3

Examination of the phenomenon and roots of global poverty in the colonial expansion of Europe, the rise of nationalism in the colonies and post-colonial globalization and development. Emphasis will be placed on viewing this problem and its solution from the perspective of common people in the global south.

HIST 304 Renaissance and Reformation 3

Topical survey of European civilization in the period from about 1300 to 1550. Intellectual, cultural and religious changes will receive most attention.

HIST 315 War/Peace 20th Century Europe 3

Exploration of major European political, cultural, intellectual and economic developments since the 1890s. Major themes include: modernism, the onset of totalitarianism and totalitarian regimes in Europe and the Soviet Union, war as an agent of social change, the Cold War, the dissolution of Soviet-style communism in Eastern Europe and peace-making efforts throughout the century.

- HIST 318 Anabaptist/Mennonite History** 3
 Introduction to Mennonite history and thought. About one-third of the course is devoted to Anabaptism. Special attention given to distinctive Anabaptist religious ideas, changes in Mennonite religious ideas and practice in Europe, migrations, contrasts in social-communal practices among Mennonites and related groups.
- HIST 321 History of Mennonites in America** 3
 Emphasis on Mennonites as a people developing and interacting with the larger American society, using themes such as migration, community formation, beliefs, acculturation and pacifist citizenship in war and peace.
- HIST 323 Colonial & Revolutionary America** 3
 Focus on cultural encounters and conflicts. Colonialism begs the question, how are cultures transported, replicated, and transformed? A look at contact between Europeans and Native Americans, between Europeans and Africans, between different European colonial projects, and finally between Anglo-American colonists and Britain. All involved sharp cultural conflict.
- HIST 324 U.S. 1790-1877:Nationalism & War** 3
 Having rejected the one thing they had in common - British rule - Americans created an identity and constructed the myths needed to sustain a new nationalism. Slavery was a central and contested part of this identity, leading to frightful Civil War. Through it all, American nationalism continued to claim the power to "reconstruct" society.
- HIST 325 U.S. 1877-1945:Identity & Diversity** 3
 The U.S. became the first highly diverse nation state, but only gradually came to understand the implications of that fact. Economic divisions, urban and Western population growth, debates over race and ethnicity, and international consciousness all shaped a society that faced Depression and global war, and began to link its plurality to notions of pluralism.
- HIST 326 Recent American History** 3
 A look at events that shaped the most recent generations of Americans. From grand expectations of the Civil Rights movement, faith in science, and the possibilities of affluence and social reform, society confronted the realities of Vietnam, Watergate and environmental destruction - producing cynicism, culture wars and continued efforts to balance liberty and equality.
- HIST 327 Am. Immigration & Ethnic History** 3
 An examination of the development of ethnic and racial identities in the United States, from the colonial period(s) to the present. Immigration patterns, forced migration, assimilation, ethnicization, nativism, family and gender dynamics, immigration and naturalization law and multicultural debates were important factors in these processes.
- HIST 328 African-American History** 3
 Historical study of the experience of African-Americans as a group, especially their political and economic situations, their community life, some of their outstanding organizations and leaders, their forms of adjustment and resistance and their participation and contributions in U.S. life. Prerequisite: any 100- or 200-level history course or consent of instructor.
- HIST 330 Gender in World History** 3
 A comparative studies in world history course. Women have been left out of the world's history, particularly women in the non-Western world who are stereotyped as oppressed and passive. Putting women back into the center of world history unsettles older historical paradigms and challenges our ethnocentric assumptions. Explores the diverse experiences of women as active agents in shaping their world through a comparative case-study approach.

- HIST 335 History of Ethnic Conflict** 3
A comparative studies in world history course. The world seems plagued with increasing conflict between ethnic groups. Explores the historical roots of this problem through a comparative case-study approach and takes an interdisciplinary approach both to analysis of the problem and its solution. Students will present an in-depth research paper on the historical roots of one conflict.
- HIST 340 Religious History of Africa** 3
A comparative studies in world history course. Examination of the development and interaction of the three major religious traditions of Africa--African religion, Christianity and Islam-- from earliest times to the present. The course will look at the particularly African forms of Christianity and Islam that were created by converts in various contexts and the social and political implications of religious practice. There will be some attention to the spread of African religious forms within the diaspora.
- HIST 344 Latin American Hist:National Period** 3
A study of the history of the Latin American republics since independence, with special attention given to Mexico, Cuba and the ABC countries (Argentina, Brazil and Chile).
- HIST 345 Environmental History** 3
A comparative studies in world history course. Exploration of human interaction with the environment over time particularly in the non-Western world. Examination of the material and ideological conditions which have led to preservation or destruction of the environment through a comparative case-study approach.
- HIST 350 African History** 3
African history from ancient times to the present with an emphasis on topical studies of land and food, slavery and social reciprocity, and colonial transformations in political authority. Encourages historical analysis for the purpose of responding positively to pessimistic predictions of Africa's future and appreciating Africa's strengths.
- HIST 375 Topics** 3
Study on a selected topic in American or world history. Examples: The United Nations, History of Childhood in America. Students may be invited to help shape the topic.
- HIST 400 Advanced Study** 1 (1-4)
Special topics for majors and minors.
- HIST 409 Internship** 2
Using research, writing and organizational skills in a setting outside the classroom; deliberate reflection on the process of historical or legal inquiry.
- HIST 410 Seminar: Analysis** 3
Philosophy and purposes of history; principles and methods of historical research; history and Christian faith; choice of a topic and bibliographical work and initial research on that topic. Course to be taken in the fall semester of the junior year. Required of all majors.
- HIST 411 Seminar: Synthesis** 3
Continued research on topic chosen and presentation in forms of oral report and written thesis paper. Course to be taken in the spring semester of the senior year. Required of all majors. Prerequisite: Hist 410.

Political science courses

- POSC 200 Introduction to Political Science** 3
General comparative survey of political institutions and behavior in various types of regimes, with special emphasis on the American political system. The most appropriate course for students required to take one course in political science. Collateral reading may be adjusted to individual needs and interests.

- POSC 210 Introduction to Public Policy** 3
Explores the nature of the policy-making process in the United States and, to a lesser extent, other pluralist polities. Topics will include constitutional and structural framework in which policies are shaped, interest articulation, policy formulation and the feedback process.
- POSC 305 United States Government** 3
A basic introduction to the federal system of government in the United States. Focus on the constitutional arrangements established at the nation's founding, critical points in the constitution's evolution and the contemporary setting. Topics include the legislative process, the judiciary branch and the nature of the presidency. The regulatory process, interest groups, political parties, the press, campaigning and voter behavior, civil rights and federal-state relations will also be examined.
- POSC 308 International Politics** 3
Examination of the structure, development and operation of the present international political system and its possible alternatives.
- POSC 318 Latin America Politics** 3
Analyzes Latin America's contemporary political and socio-economic institutions and issues; relates them to the area's development and need for change; includes the meaning of revolution in Latin America.
- POSC 320 Issues in Politics and Society** 3
Contemporary (and often controversial) political issues in the U.S. and Latin America, e.g.: African-Americans and the U.S. judicial system; educating legal professionals; the church and Latin American politics. Analysis through class discussions, some lectures by the instructor, student papers and contribution from resource persons with involvement in the subject matter.

Humanities

Humanities courses at Goshen College are interdisciplinary courses, team-taught by professors from several different departments. Each of these interdisciplinary courses studies the history of artistic expression, provides opportunities for participating in artistic activities and examines the relationship between the arts and students' own lives. Fulfills the general education requirement for humanities study. Two or three courses are offered each year.

HUM 220 Humanities: Literature and Art.....	4
HUM 221 Humanities: Literature and Music	4
HUM 222 Humanities: Theater and Literature.....	4
HUM 223 Humanities: Music and Art.....	4
HUM 224 Humanities: Music and Theater	4
HUM 225 Humanities: Art and Theater	4

Informatics

Professors D. Housman, TBA

Introduction

The business and mathematics departments of Goshen College are collaborating to offer a new major and minor in informatics. This major replaces previous majors in computer science and business information systems. Informatics students complete a core of informatics courses and also a group of additional courses in one cognate area. Upper level informatics courses apply technology solutions to problems within the student's cognate area. The four possible cognate areas are media and communication, business, biology, or mathematics.

- Major in informatics
- Minor in informatics

The informatics program at Goshen College blends strong technology skills with a traditional liberal arts foundation. Informatics students are problem-solvers who understand the broader context for learning and how it applies in the world beyond technology. Informatics always keeps in mind the needs of people and the best and most appropriate uses for technology.

Career and postgraduate opportunities

With an informatics degree, graduates might customize databases and software to meet the needs of e-business customers. They might create better ways for healthcare providers to manage patient records or work with scientists to create software that enables them to more easily access information from large databases such as the Human Genome.

Major in informatics

59-65 credit hours (Informatics core plus one cognate area below)

Informatics core courses (38 credit hours)

- Bus 220, Office Software Productivity 3
- Comm 326, Creating for the Web 3
- Info 200, Informatics I 3
- Info 230, Programming I 4
- Info 300, Informatics II 3
- Info 330, Programming II 4
- Info 345, Database Design 3
- Info 350, Computer Networking 3
- Info 355, Systems Analysis 3
- Info 405 Project Management 3
- Info 409, Capstone Project 3
- One Statistics/Research methods course below 3
- Comm 240, Communication research
- Econ 207, Statistics
- Math 323, Probability and Statistics
- Psyc 402, Statistics and Research Methods I
- Soc 391, Methods of Social Research

Biology Cognate (27 credit hours)

- Biol 111, Biological Principles I 4
- Biol 112, Biological Principles II 4
- Biol 301, Genetics 4
- Biol 307, Molecular Cell Biology 4
- Biol 410, Senior Seminar 3

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- Chem 111-112, General Chemistry 8
- Business Cognate (21 credit hours)**
- Bus 215, Entrepreneurship Finance 3
- Bus 315, Principles of Marketing 3
- Bus 318, Production/Operations Management 3
- Bus 403, Management Strategy 3
- Bus 409, Business Internship 3
- Bus 410, Management, Policy & Social Responsibility 3
- Econ 203, Principles of Microeconomics 3
- Communication and Media Cognate (21 credit hours)**
- Art 107, Design 3
- Art/Comm 108, Digital Design 3
- Art 208, Graphic Design I 3
- Comm 250, Writing for Media 3
- Comm 375, Animation 3
- Comm 410, Senior Seminar 3
- Info 340, Web Applications 3
- Mathematics Cognate (23 credit hours)**
- Math 205, Discrete Mathematics 3
- Math 211, Calculus I 4
- Math 212, Calculus II 4
- Math 301, Linear Algebra 3
- Math 321, Differential Equations 3
- Math 351, Mathematical Modeling 3
- Math 410, Senior Seminar 3

Planning guide

First year General education
 Informatics I
 Office Software Productivity
 Programming I
 Creating for the Web
 Introductory cognate courses

Second year General education
 Informatics II
 Cognate courses
 SST (fall or summer)

Third year General education
 Programming II
 Database Design
 Cognate area courses
 Statistics course
 SST (spring semester)

Fourth year General education
 Remaining courses in cognate area
 Computer Networking
 Systems Analysis
 Project Management
 Capstone Project
 Senior Seminar (in cognate area)

Minor in informatics

18 credit hours

- Info 200, Informatics I 3
- Info 300, Informatics II 3
- Other Informatics courses (at least 8 credit hours 300-400 level) ... 12

Informatics courses

INFO 200 Informatics I 3

Topics in human-computer interaction and human factors, collaborative technologies and group problem solving, ethics, privacy, and ownership of information and information sources, information representation and the information life cycle, the transformation of data to information, futuristic thinking.

INFO 230 Programming I 4

An introduction to problem solving, algorithm development and structured programming techniques. Topics include pseudo-code, language syntax and semantics, applets and applications, loop and control constructs, primitive data types, objects, arrays, lists, files, and graphical user interfaces. Includes three lectures and one 75-minute lab each week.

INFO 300 Informatics II 3

Identification of information problems in biology, business, communication, mathematics, media, and other application areas. Survey of some of the previously proposed solutions. Goals include some synthesis of informatics with student cognate areas and an identification of possible capstone projects. Prerequisite: Bus 220, INFO 200, 230, and 340 or consent of instructor.

INFO 330 Programming II 4

A continuation of Programming I. Emphasis is placed on program specifications, data abstraction, information hiding, encapsulation and object-oriented programming, use of API's, and use of list, stack, queue, and tree data structures. Includes three lectures and one 75-minute lab each week. Prerequisite: INFO 230.

INFO 340 Database Design 3

The proper design of databases and their construction through diagramming tools and SQL. Attention is also given to form and report development, data warehouse and data mining issues, and administrative issues such as user security. Students gain experience in robust database environments such as Oracle and in web environments. Prerequisite: Bus 220, INFO 230 or consent of instructor.

INFO 345 Web Applications 3

The Internet has developed beyond a low cost means of distributing information to become a software platform enabling sophisticated interaction with content and with other people. This course will bring together the tools and concepts to create web applications: programming, databases, user interface design, regular expressions, and particularly web frameworks. We'll use open-source software (e.g. Django, Python, Javascript/Ajax, Apache, MySQL). Prerequisite: INFO 230, 340, Comm 326 or consent of instructor.

INFO 350 Computer Networking 3

Computer interfacing hardware and operating systems, serial and parallel I/O techniques, modems, file transfer, data communications, common computer networking protocols, and management of telecommunications networks. Prerequisite: INFO 230 or consent of instructor.

INFO 355 Systems Analysis 3

A structured approach to solving organizational problems. The focus of the course is on determining the needs of the organization and meeting those needs through the design of an information system. Topics such as feasibility analysis, determining requirements,

documenting processes and data requirements through modeling tools, designing a new system, and implementation issues are covered. Prerequisite: Bus 220, INFO 200, 230, 340 or consent of instructor.

INFO 405 Project Management 3

Practice in managing the system life cycle; requirements determination for logical design, physical design, testing and implementation of a system. Other topics: system and database integration issues; metrics for project-management and system-performance evaluation; managing expectations of superiors, users, team members and others related to the project; determining skill requirements and staffing the project; cost effectiveness analysis; and presentation techniques; effective management of both behavioral and technical aspects of the project. Prerequisite: INFO 355.

INFO 409 Capstone Project 3

In this course, Informatics majors apply the techniques they have learned in prior informatics and cognate area course work to a significant project of their own definition. The project may be completed through group effort. The design of the course follows the goals for the capstone experience. Students define the information problem for themselves, determine what techniques to use for the information problem they identify, and integrate human-centered and technical dimensions of information systems. Prerequisite: senior status or consent of instructor.

Interdisciplinary studies

Associate Academic Dean T. Meyers

An interdisciplinary major is for students who wish to engage in substantial study in several academic fields. It also gives students the opportunity to design a major that fits their unique interests and needs. An interdisciplinary major provides preparation for careers or professional programs where a broad educational background is appropriate.

Interdisciplinary major

47-52 credit hours

Core requirements

- Nine credit hours of core requirements in each of three majors or minors..... 27

Elective courses

- Six additional credit hours in each of the three selected majors or minors..... 18

Senior seminar and internship

- Senior seminar from one of the majors selected above 1-4
- Internship from the same major as the senior seminar 1-3

Courses are selected from three academic departments in which Goshen offers a major or a minor. If the international studies minor is selected as one of the three areas of study, 15 credit hours of courses must be selected from the "SST alternate" list in the International education section of the catalog. At least one three-credit core course in each department must be completed in residence at Goshen College. Not including the senior seminar and internship, a minimum of at least 18 credit hours in the major must be upper-level courses (300-499).

Students interested in investigating an interdisciplinary major should contact the associate dean to discuss interests and options. The student's academic adviser will usually be a professor from the department in which the student elects to complete the senior seminar and internship.

Career opportunities

Interdisciplinary graduates are working in nonprofit agencies, education, business, church ministries, community development, journalism, law and many other fields.

Mathematics

Professors D. Housman, P. Oakley (chair)

Introduction

The mathematics department offers a major and minor.

- [Major in mathematics](#)
- [Minor in mathematics](#)

A satisfactory score on a competency test (or equivalent) is required before taking any mathematics course for credit at Goshen College. The study of mathematics is framed within the context of a Christian liberal arts environment that fosters critical and innovative thinking, promotes ethical awareness, views all disciplines as inter-disciplinary, develops an openness to other people and ideas, and prepares persons for a life of continued personal growth, development and learning. Visit the mathematics department Web site at www.goshen.edu/math.

Career and postgraduate opportunities

Graduates with mathematics majors are currently working in education, administration, computer technology, insurance, statistics, overseas development, mass communication and engineering.

Teacher education requirements

Teacher certification in mathematics is available for grades 5-12. Courses needed in addition to the Mathematics major core requirements are Math 302, Math 305, Math 323, Math 390 or 351, and a teaching internship with Math 131 or 132. Also required are 30 credits of education courses, including a semester of student teaching. PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the [Teacher Education Handbook](#) for more details about requirements.

Academic requirements

- Mathematics majors must achieve a grade of C or better in every course counted for the major.
- All students taking mathematics courses must earn a grade of C or better in prerequisite courses.

Major in mathematics

44-50 credit hours

Core Courses (22-25 credit hours)

- Info 230, Programming I 3
- Math 205, Discrete Mathematics 3
- Math 211, 212, 213, Calculus I, II & III 12
- Math 390, Problem Solving Seminar 1
- Math 409, Project/Internship 0-3
- Math 410 or Phys 410, Senior Seminar 3
- Attendance at a professional meeting NC
- Presentation of a paper in a public setting NC

Electives in Mathematics (18-21 credit hours) See *advising note below*.

- Math 301, Linear Algebra
- Math 302, Abstract Algebra
- Math 305, Modern Geometry
- Math 311, Real Analysis

Math 321, Differential Equations
 Math 323, Probability and Statistics
 Math 350, Advanced Game Theory
 Math 355, Graph Theory
 Math 360, Biomathematics
 Math 375, Special Topics

Science elective (4 credit hours)

Biol 111/112, Chem 111, or Phys 203/204..... 4

Planning and advising notes

21 credit hours of Math electives are required for most majors; only 18 credit hours are required for those who complete student teaching in math education. Math secondary education majors do a teaching internship with Math 131 or 132.

Planning guide

First year	General education Discrete Mathematics Calculus I, II, III Programming I Science elective
Second and Third years	General education Upper-level math SST
Fourth year	Balance of general education Balance of major Senior Project/Internship or Student Teaching Senior Seminar

Minor in mathematics

19 credit hours

- Math 205, Discrete Mathematics..... 3
- Math 211, 212, Calculus I & II 8
- Elective upper level mathematics courses (300 and above)..... 8

Math courses

MATH 105 Quantitative Reasoning 3

Emphasis on the ability to critically interpret mathematical information commonly found in public discourse and positions of responsibility and leadership. Topics will include measurement and units, proportions, estimation, simple functions, graphs and their interpretation, appropriate use of technology (e.g., spreadsheets and calculators), probability, and descriptive statistics. Examples incorporating mathematical arguments will be taken from a wide variety of fields including social science, sports, finance, environmental issues, education, and health. This course can be used to meet the general education mathematics competency requirement and is intended for students who have not met the competency requirement by exam scores or transfer credit.

MATH 110 Mathematical World 3

A survey of selected content chosen to help build basic number sense, develop skills in pattern recognition, use mathematical modeling to represent and investigate practical problems. Basic arithmetic computational skills are assumed. Prerequisite: general education mathematics competency requirement.

MATH 120 Intermediate Algebra 4

Basic algebra as preparation for Math 141 or Math 170. Prerequisite: one unit of high

school algebra or Math 105; and general education mathematics competency requirement.

MATH 131 Math Concepts Elem Classroom I 3

Theory of natural, rational, and real number arithmetic; computation in different numeration systems; elementary set theory and logic; number theory; probability and statistics; problem solving strategies. Linkage to mathematics education in the elementary school. Prerequisite: general education mathematics competency requirement.

MATH 132 Math Concepts Elem Classroom II 3

Formal and informal approaches to Euclidean geometry; patterns, symmetries, classification of geometric figures in two and three dimensions; transformations in the plane; measures, measurement and approximate data; computer software applications to geometry. Linkage to mathematics education in the elementary school. Prerequisite: Math 131 or high school geometry; general education mathematics competency requirement.

MATH 141 Finite Mathematics 3

Mathematics useful for solving problems from business and social sciences. Topics include linear systems of equations and inequalities including linear programming set theory, elementary counting principles, probability, Markov chains, financial mathematics. Prerequisite: Two units of high school algebra or Math 120.

MATH 170 Precalculus Mathematics 4

Symbolic, graphical, numerical, and verbal representations of functions and their applications. Graphing calculators and computer software are used. (Includes weekly computer lab.) Prerequisite: Three units of high school algebra and geometry or Math 120.

MATH 205 Discrete Mathematics 3

An introduction to mathematical thinking and reasoning. Topics include number systems and arithmetic, logic and Boolean algebra, functions and relations, set theory, combinatorics and probability, and elementary graph theory. An emphasis is placed on problem solving and proof techniques. Prerequisites: three and one-half units of high school mathematics including trigonometry or Math 170.

MATH 211 Calculus I 4

Concepts of calculus emphasizing applications in the natural and social sciences. Topics include differential calculus of one and several variables, integration, mathematical modeling using differential equations. Prerequisites: three and one-half units of high school mathematics including trigonometry or Math 170.

MATH 212 Calculus II 4

A continuation of differential and integral calculus of a single variable. Topics include limit definition of the derivative and integral; exponential, logarithmic, inverse trigonometric, and hyperbolic functions; techniques of integration; differential equations; sequences and series; an introduction to functions of several variables. (Includes weekly computer lab.) Prerequisite: Math 211.

MATH 213 Calculus III 4

Differentiation and integration of functions of two and three variables and an introduction to vector calculus. Topics include optimization, vector fields, line and surface integrals, Green's Theorem. Also includes complex variables and Fourier series. Prerequisite: Math 212.

MATH 250 Game Theory 3

Mathematical models of interactions among players: people, companies, nations, or genes. Concepts include strategy, preferences, equilibrium, efficiency, solutions, and fairness properties. Applications to biology, business, economics, politics, psychology,

and theology are explored. Math 250 and Math 350 are taught simultaneously. Math 250 emphasizes modeling and application of techniques. Prerequisite: Math 170.

MATH 301 Linear Algebra 3
 Linear systems of equations, vector spaces, linear transformations, matrices, determinants, characteristic vectors and values, inner products, computational aspects, and applications. Prerequisite: Math 211 and either Math 205 or 212.

MATH 302 Abstract Algebra 3
 An introduction to algebraic structures such as groups, rings and fields. Prerequisites: Math 301.

MATH 305 Modern Geometry 3
 A survey of geometrics. Comparison of Euclidean, hyperbolic, elliptical, and projective geometries. Integral and fractional dimension; transformation groups; implications for computer graphics. Prerequisites: Math 300.

MATH 311 Real Analysis 3
 A rigorous study of differentiation and integration of both one and several variables. Infinite series. Distance, compactness, limits of sequences, convergence, and introduction to the topology of Euclidean n-space. Prerequisites: Math 213, 301.

MATH 321 Differential Equations 3
 The solution and application of ordinary differential equations; analytic solutions for linear systems; qualitative behavior of nonlinear systems; approximation and computer methods. Prerequisite: Math 213 or 301.

MATH 323 Probability and Statistics 3 (3-4)
 An introduction to the theory, practice and computer simulation of probability and statistics. Data exploration, sample spaces, random variables, probability distributions and their derivations, probability simulations and statistical inference. The optional fourth credit hour consists primarily of an independent data collection and analysis project. Prerequisites: Math 213 or permission of the instructor.

MATH 350 Advanced Game Theory 3
 Math 250 and 350 are taught simultaneously. Math 350 emphasizes derivation and justification for game theory techniques. Prerequisite: Math 205, 211 or consent of instructor.

MATH 351 Mathematical Modeling 3
 The modeling process, built around a study of applications from a variety of both social as well as natural sciences. A variety of mathematical and computing techniques will be employed including discrete structures, probability, calculus, differential equations and algorithms. Completion of modeling projects will be a major component of the course. Prerequisites: INFO 230, and one of Math 213, 301, or 323.

MATH 355 Graph Theory 3
 An introduction to the concepts and techniques of graph theory with application to diverse areas such as management, computers, circuitry, communications, and social networks. Topics covered include graphs and digraphs, paths and circuits, graph and digraph algorithms, trees, cliques, planarity, duality and colorability.

MATH 360 Biomathematics 3
 Mathematical models for understanding biological phenomena such as population growth, drug dosage, epidemics, genetics, and cardiac function. Skills developed include the ability to analyze an unfamiliar problem, determine the type of data needed, select the appropriate mathematical tools to be applied, and evaluate the results. Prerequisites: Biol 111 or 112, Math 211, and a basic understanding of statistics.

MATH 375 Special Topics 3
 Classroom study of selected topics in mathematics. Topics may include: theory of

computation, cryptography, complex analysis, numerical analysis, number theory, combinatorics. May be repeated. Offered according to demand. Prerequisite: Upper-level status and consent of instructor.

MATH 390 Problem Solving Seminar 1

The problem-solving process in the context of nonroutine problems, including a wide variety of general heuristics for approaching such problems. May be repeated. Prerequisite: Math 300 or permission of instructor.

MATH 409 Senior Project/Internship 3

Project designed to give the student practical experience in mathematics. Each student's project is individually arranged with the instructor. Arrangements must be made at least one semester in advance.

MATH 410 Senior Seminar 3

A study of the ethical and social implications of computer technology. Open to senior students in any discipline.

Modern and classical languages and literatures (MCLL)

Professors R. Falcon, P. Keim

Associate Professor E. D. Rhodes (chair)

Assistant Professor D. Gessinger

Adjunct Professors J. Garrett, K. Massanari

Introduction

The MCLL department offers majors and minors in American Sign Language and in Spanish. Both majors have teacher education options. The mission of MCLL is to foster in our students intercultural openness with the ability to function effectively with people of other world views as well as to develop in our students the ability to communicate in a variety of language systems.

- Major in American Sign Language
- Major in Spanish
- Minor in American Sign Language
- Minor in Spanish

In addition to the majors and minors above, French, Arabic and German courses are also offered, as well as introductory language courses for SST groups: Khmer (Cambodia), Mandarin (China), and Swahili (Tanzania), typically offered the semester just prior to the Study Service Term. Visit the modern and classical languages and literature department Web site at www.goshen.edu/mcll and the American Sign Language Web site at www.goshen.edu/mcll/asl.

Major in American Sign Language

57-69 credit hours (Core and one concentration area)

Core courses (29 credit hours)

- ASL 101-102, Elementary ASL I & II 8
- ASL 104, North American Deaf Culture 3
- ASL 106, Introduction to the Interpreting Profession..... 2
- ASL 201-202, Intermediate ASL I & II 8
- ASL 205, Advanced Fingerspelling and Numbers..... 2
- ASL 305, Linguistics of ASL 3
- ASL 408, Specialized Vocabulary 2
- ASL 410, Senior Seminar 1

Concentration in ASL-English interpreting (28 credit hours)

- ASL 301-302, Interpreting I & II 8
- ASL 304, Certification Overview 1
- ASL 306, Deaf American Literature..... 3
- ASL 401, Interpreting III 4
- ASL 407, Topics in Interpreting 2
- ASL 409, Interpreting Internship..... 10

Concentration in ASL teacher certification (40 credit hours)

- Secondary education courses (see education department pages) 30
- Engl 310, Introduction to Linguistics 3
- Engl 320, Methods of TESOL..... 4
- PJCS 210, Transforming Conflict and Violence 3
- Two semesters immersion in ASL (ASL SST and/or Gallaudet University)

Planning guide

First year General education
 Elementary American Sign Language I and II
 North American Deaf Culture
 Introduction to the Interpreting Profession

Second year General education
 SST (recommended)
 Intermediate American Sign Language I and II
 Other courses in major
 Recommended electives

Third year Courses in major
 General education
 Recommended electives

Fourth year Balance of general education
 Balance of major courses
 Interpreting Internship or Student teaching
 Senior Integrating Seminar

Planning and advising notes

Students majoring in American Sign Language are required to earn a grade of C or above in each ASL course. Courses may be repeated only once to attempt a higher grade.

Recommended elective courses for ASL-English interpreting majors include: Comm 206, Communicating Across Cultures; Engl 310, Introduction to Linguistics; Engl 315, English Language Problems; Soc 200, Principles of Sociology; Soc 230, Cultural Anthropology; and Soc 334, Race, Class and Ethnic Relations.

For ASL teacher education majors, the course Educ 201 should be taken in May term of the first year or fall semester of the second year. The two-semester study immersion program is usually completed through a semester at Gallaudet University during the junior year and participation in the ASL language related SST semester.

Minor in American Sign Language

21 credit hours

- ASL 101-102, Elementary ASL I & II 8
- ASL 104, North American Deaf Culture 3
- ASL 201-202, Intermediate ASL I & II 8
- ASL 205, Advanced Fingerspelling and Numbers..... 2

Major in Spanish

37-40 credit hours

- Spanish courses 202 level and higher (3 credit hours may be French or German) 21
- Span 300, Hispanic Literature 3
- MCLL 410, Senior Seminar 1
- Related courses selected from the following: 12
 - Art 341-343, Art History I, II & 20th Century
 - Engl 201, World Literature
 - Engl 310, Introduction to Linguistics
 - Engl 320, Methods of TESOL
 - Hist 344, Latin American History
 - PoSc 318, Latin American Politics
 - MCLL 375, Topics
 - Mus 301-302, History of Music I & II

Academic departments and courses : Modern and classical languages and literatures (MCLL)

Thea 245, Aesthetics
Thea 388, Themes in Drama

- Junior year abroad (or approved alternate)..... NC
- Internship (may be met by extended residence in Spanish-speaking country) 0-3

Planning guide

First year General education
Level 202 or higher
Second language (or second year)

Second year General education
Advanced language courses
Second language
SST (recommended)

Third year Junior Year Abroad (advanced language and related courses)

Fourth year Balance of general education
Balance of major and related courses
Hispanic Literature
Senior Integrating Seminar

Planning and advising notes

While most language majors begin to study another language in high school, it is possible to complete the major successfully if the student begins at Goshen College and participates in either a full junior year with Brethren Colleges Abroad (BCA) or a combination of one semester of BCA/SST or another approved program. (See international education pages.) While SST is not required to complete the major, it is highly recommended. Most required upper level related courses are taken on location through BCA.

Teacher education certification requirements

Teacher certification is available for grades 5-12 in two related areas. Courses needed in addition to the Spanish major core requirements are as follows:

Spanish education - Engl 310, Engl 320, at least 33 credit hours of Spanish language (up to 12 credit hours for level 101-201 may be earned by exam).

Bilingual/bicultural education – Comm 206, Engl 310, Engl 315, Engl 319, Engl 320, Engl 325, Educ 303, Educ 307, Educ 344, Educ 406

Also 30 credits of education courses, including a semester of student teaching. PJCS 210 must be taken for the PJCS/Phil general education requirement. The first education course, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the *Teacher Education Handbook* for more details about requirements.

Minor in Spanish

12 credit hours

- Spanish courses 202 level and higher 12
- One semester of study abroad in a Spanish-speaking country (may be SST) NC

American Sign Language and Interpreting courses

ASL 101 Elementary American Sign Language I 4

An introduction to American Sign Language and the deaf community; focuses on frequently used signs, basic rules of grammar, nonmanual aspects of American Sign Language and some cultural features of the deaf community.

ASL 102 Elementary American Sign Lang II	4
Emphasizes further development of receptive and expressive skills, vocabulary building and grammatical structures. Introduction to language forms used in American Sign Language poetry and theater. Prerequisite: ASL 101 or consent of instructor.	
ASL 103 Elementary American Sign Lang III	4
Emphasis on basic communication skills in the target language and culture. Normally offered only on SST. Pre-requisite ASL 102 or equivalent.	
ASL 104 North American Deaf Culture	3
Explores the American deaf community, examining the educational, sociological and cultural features which shape this group of people. Prerequisite: none.	
ASL 106 Intro to Interpreting Profession	2
Introduces students to the professional field of interpreting: code of ethics, employment opportunities, professional organizations, etc. Prerequisite: ASL 102 or consent of instructor.	
ASL 201 Intermediate American Sign Lang I	4
Continues development of expressive and receptive language skills through student-led discussions and prepared reports on topics related to the deaf community. Prerequisite: ASL 102 or consent of instructor.	
ASL 202 Intermediate American Sign Lang II	4
Develops further expressive and receptive language skills. Prerequisite: ASL 201 or consent of instructor.	
ASL 203 Intermediate American Sign Lang III	4
Continuation of grammar practice with emphasis on ASL practice. Normally offered only on SST. Prerequisite:ASL 201 or equivalent.	
ASL 205 Advanced Fingerspelling & Numbering	2
Concentrated instruction and practice in expressive and receptive fingerspelling and the complex numbering system of ASL. Prerequisite: ASL 201 or consent of instructor.	
ASL 206 Deaf Community, Church & Religion	2
Explores the variety of deaf community's experiences with churches and religion. Models of ministry and mission in the deaf community will be presented and critiqued. Out-of-class visits to local deaf ministries are required. Prerequisite: ASL 104.	
ASL 301 Interpreting I	4
Introduces theory and skills of the interpreting process, presenting both consecutive and simultaneous methods. Prerequisite: All 200-level ASL courses or consent of instructor.	
ASL 302 Interpreting II	4
Introduces spontaneous ASL/English interpreting and provides extensive practice utilizing videotapes and audiotapes. Prerequisite: ASL 301 or consent of instructor.	
ASL 304 Certification Overview	1
Studies various quality assurance/state licensure assessments established across the United States. Prepares students for the written portion of the national certification of the Registry of Interpreters for the Deaf. Prerequisite: All 200-level ASL courses or consent of instructor.	
ASL 305 Linguistics of American Sign Lang	3
Investigates the major grammar rules of American Sign Language. Studies specific aspects of phonology, morphology, syntax and semantics. Prerequisite: ASL 205. Corequisite: Engl 310.	
ASL 306 American Sign Language Literature	3
Focuses on various genres of literature by and about deaf people. Concentrates on deaf	

Academic departments and courses : Modern and classical languages and literatures (MCLL)

characters and the influences deaf culture and deaf history have on literary works.

Prerequisite: All 200-level ASL courses or consent of instructor.

ASL 401 Interpreting III 4
Continues the development of interpreting skills through role-playing and participating in out-of-class interpreting opportunities. Prerequisite: All 300-level ASL courses or consent of instructor.

ASL 407 Topics in Interpreting 2
Practical and ethical issues in interpreting. Decision-making, assignment assessment, environmental management, policies and procedures within agencies and organizations. Prerequisite: All 300-level ASL courses or consent of instructor.

ASL 408 Specialized Vocabulary 2
Examines and develops the vocabulary necessary for interpreting in specific settings including education, medicine, mental health, legal, religious, etc. Taken during the first four weeks of the internship semester. Prerequisite: ASL 401 or consent of instructor.

ASL 409 Interpreting Internship 10
Supervised interpreting experiences through placement in various community settings. Course offered the last 10 weeks of the senior year. Prerequisite: ASL 401, 407; Co-requisite ASL 408.

ASL 410 Senior Seminar 1
Students reflect on ethical dilemmas, problems or conflicts encountered during their 10-week internship (ASL 409) with the goal of learning and growing from the collective discussion and experiences. In addition, students will set goals for themselves related to career, vocation and job procurement and create tools to assist in achieving their goals following graduation. Prerequisite: ASL 401, 407; Co-requisite ASL 408.

Spanish courses

SPAN 101 Elementary Spanish I 4
Basic skills in understanding, speaking, reading and writing Spanish for beginners; class work includes collaborative learning.

SPAN 102 Elementary Spanish II 4
Basic skills in understanding, speaking, reading and writing Spanish for beginners; class work includes collaborative learning. Prerequisite: Span 101 or equivalent on placement test.

SPAN 103 Elementary Spanish III 4
Emphasis on basic communication skills in the target language and culture. Normally offered only on SST. Prerequisite: Span 102 or equivalent.

SPAN 201 Intermediate Spanish I 3
A review of grammar and intensive oral practice. Prerequisite: Span 102 or equivalent.

SPAN 202 Intermediate Spanish II 3
Reading and discussion of short story, drama and topics in Spanish culture. Major emphasis on improving reading, writing and conversational skills. Prerequisite: Span 201 or equivalent.

SPAN 203 Intermediate Spanish III 4
Continuation of grammar practice with emphasis on spoken Spanish. Normally offered only on SST. Prerequisite: Span 201 or equivalent.

SPAN 205 Spanish Conversation & Culture 3
Extensive practice in spoken Spanish. Topics related to life in Spanish-speaking countries. Course especially designed to meet interests of returned SST students. Prerequisite: Span 201 or equivalent.

- SPAN 300 Hispanic Literature** 3
 Taught in Spanish. This course offers an overview of current and classical literature from Spain, Latin America, the Caribbean, and the Spanish-speaking world of North America. Themes, texts, and genres will vary from year to year. Required for Spanish majors; appropriate for returning SST students, CITL students, and others who speak Spanish and want to deepen their knowledge of Hispanic literature. Prerequisite: Span 201.
- SPAN 301 Introduction to Spanish Literature** 3
 A survey of the currents in Peninsular literature. Beginnings through Golden-Age writers. Prerequisite: Span 201.
- SPAN 302 Introduction to Spanish Literature** 3
 A survey of the currents in Peninsular literature. Late-19th and 20th-century writers. Prerequisite: Span 201.
- SPAN 303 Spanish Composition I** 3
 A thorough review of Spanish grammar with exercises in composition. Prerequisite: Span 201.
- SPAN 304 Spanish Composition II** 3
 A thorough review of Spanish grammar with exercises in composition. Prerequisite: Span 201.
- SPAN 305 Culture of Hispanic World** 3
 Course focuses on culture, history, literature and music of the Hispanic world, with particular emphasis on Spanish-speaking SST locations. Comprehensive experience in written and spoken Spanish. Prerequisite: Span 201.
- SPAN 309 Spanish-American Novel** 3
 A study of selected 20th-century Spanish-American novels representing various types emerging from the Spanish-American scene. Prerequisite: Span 201.
- SPAN 322 Spanish-American Literature** 3
 A study of Spanish-American literature from 1880 to present time with special emphasis on the novels, the essay and the short story. Prerequisite: Span 201.
- SPAN 349 Hispanic Short Stories** 3
 Presents Hispanic literature through short stories representative of the Hispanic world, originating in Spain, Latin America, United States and Canada, and integrating Spanish grammar and culture. Students read stories; review vocabulary and grammatical structures; study authors' lives and the historical context of the stories; and discuss cultural elements. Prerequisite: Span 201.
- SPAN 350 Hispanic Film Studies** 3
 Presents Hispanic culture, conversation and grammar using films in Spanish. Prior to viewing, historical and cultural contexts, literary movements and influences of the era are discussed. Shows representative films, followed by activities which include written assignments, small-group presentations and discussions. Draws comparisons between books and the films based on them; encourages students to use vocabulary and grammar structures used in the films. Prerequisite: Span 201.
- SPAN 400 Special Projects** 1 (1-4)
 Projects vary from studies in literature to advanced practice of language skills. Reserved for Spanish majors.

Arabic courses

- ARAB 101 Elementary Arabic I** 4
 Introductory course designed to provide students with a basic competency in reading, writing and speaking modern Arabic. Special emphasis will be placed on learning the Arabic writing system, basic elements of grammar, vocabulary building, listening

Academic departments and courses : Modern and classical languages and literatures (MCLL)

comprehension and pronunciation practice. Essential features of Arab culture and custom will also be introduced and interspersed with language instruction.

ARAB 102 Elementary Arabic II 4

A continuation of Elementary Arabic I, designed to strengthen facility in reading, writing and speaking modern Arabic. Particular attention will be devoted to vocabulary building, functional knowledge of grammatical principles and conversation practice. Elements of colloquial Arabic language will be introduced along with explorations of Arab culture and history. Prerequisite: Arab 101 or equivalent.

ARAB 103 Elementary Arabic III 4

Emphasis on basic communication skills in the language and culture. Normally offered only on SST. Prerequisite: Arab 102 or equivalent.

French courses

FREN 101 Elementary French I 4

Basic skills in understanding, speaking, reading and writing French for beginners.

FREN 102 Elementary French II 4

Basic skills in understanding, speaking, reading and writing French for beginners. Prerequisite: Fren 101 or equivalent on placement test.

FREN 103 Elementary French III 4

Emphasis on basic communication skills in the target language and culture. Normally offered only on SST. Prerequisite: Fren 102 or equivalent.

FREN 201 Intermediate French I 4

Grammar review with reading and discussion French. Normally offered only on SST. Prerequisite: Fren 102 or equivalent.

FREN 202 Intermediate French II 4

Reading and discussion of prose, poetry and drama. Grammar review, oral and written practice. Normally offered only on SST. Prerequisite: Fren 201 or equivalent.

FREN 203 Intermediate French III 4

Emphasis on conversational French. Normally offered only on SST. Prerequisite: Fren 201 or equivalent.

MCLL courses

MCLL 120 Khmer I 4

Offered in the term prior to Cambodia Study Service Term.

MCLL 140 Elementary Swahili I 4

Offered in the term prior to Tanzania Study Service Term.

MCLL 150 Chinese I 4

Offered in the term prior to China Study Service Term.

MCLL 375 Topics: 3

Study on a selected topic in Modern and Classical Languages and Literatures. Intended to accommodate student interest and/or faculty expertise. Topics may vary from year to year.

MCLL 400 Special Projects 3

Special Projects:

MCLL 409 Language Internship 3 (1-4)

Required of all departmental majors. Requirement usually fulfilled in extensive residence or study abroad in the language of the major, internship abroad or student teaching. Majors may also propose projects.

MCLL 410 Senior Integrating Seminar 1
Majors and faculty meet regularly for an exchange of views on such topics as vocations in foreign language and other issues related to a life-long study of language, culture, and literature in a diverse and multi-lingual global community. Involves the final assembly of a portfolio in the language of the student's major, as well as field excursions to culturally diverse communities in the area. Independent projects in research or teaching.

Music

Professor D. Brubaker, M. Hill (chair in fall)

Associate Professors B. Lapp (chair in spring), S. Soroka

Assistant Professors S. Hochstetler, C. Seitz, C. Thogersen

Instructor M. Stegmann

Additional adjunct applied music instructors

Introduction

The music department at Goshen College is dedicated to the cultivation of excellence in the areas of musical performance, pedagogy and scholarship. We believe musical expression is a human manifestation of the divine impulse and, as such, serves as a window into the individual soul, as a bridge between human beings and as a means of shared religious experience. The music department offers a major with five possible concentration areas, three minors, two endorsement options and two one-year certificates:

- Major in music
- Minor in music
- Minor in piano pedagogy
- Minor in music in worship

Visit the music department Web site at www.goshen.edu/music.

Career and postgraduate opportunities

Music graduates are currently working in public and private schools, colleges and universities, in private teaching, music technology, professional performance, in church music ministry and in music business. Some are also practicing music therapy, for which an undergraduate degree in music education is recommended. Many music graduates have gone on to earn degrees at our nation's most prestigious graduate schools.

Major in music

44-84 credit hours (Core and one concentration area)

Core courses (18 credit hours):

- Mus 201-202, Music Theory I & II 8
- Mus 204, Survey of Music Literature 3
- Mus 301, History of Music I 3
- Mus 303, Advanced Music Theory I 3
- Mus 410, Senior Seminar 1
- Sophomore qualifying recital NC
- Keyboard proficiency NC
- Senior recital, project, or lecture recital NC

Generalist concentration (25-26 credit hours)

- Mus 212, Song Leading 1
- Mus 302, History of Music II 3
- Mus 304, Advanced Music Theory II 3
- One specialty course matching primary area of study: 2-3
 - Mus 208, Introduction to Piano Pedagogy
 - Mus 210, Learning and Teaching Concepts in Music
 - Mus 241, Music Technology
 - Mus 305, String Methods and Materials
 - Mus 308, Vocal Methods and Pedagogy
- Mus 311, Topics in Music Literature 2
- Applied music 14
- Ensemble participation at least seven semesters NC

- Pianists only: accompany at least three sophomore recitals or equivalent NC

Music education concentration for K-12 certification (66 credit hours)

- Mus 210, Learning and Teaching Concepts in Music 3
- Mus 302, History of Music II 3
- Mus 304, Advanced Music Theory II 3
- Mus 305, String Methods and Materials 2
- Mus 306, Woodwind Methods and Materials 2
- Mus 307, Brass Methods and Materials 2
- Mus 308, Vocal Methods and Pedagogy 2
- Mus 311, Topics in Music Literature 2
- Mus 312, Conducting 3
- Mus 330, Teaching Secondary School Music 2
- Applied Music 12
- Professional education courses (see [education department pages](#) for details)..... 30
- Ensemble participation at least seven semesters NC
- Pianists only: accompany at least three sophomore recitals or equivalent NC

Music business/technology concentration (35-36 credit hours)

- Mus 241, Music Technology 3
- Mus 302, History of Music II 3
- Mus 304, Advanced Music Theory II 3
- Mus/Comm 340, Audio Production..... 3
- Mus 409, Internship 1-2
- Applied music 8
- Elective courses chosen from the following list: 14
 - Acc 201, Principles of Financial Accounting
 - Acc 202, Principles of Managerial Accounting
 - Bus 315, Principles of Management
 - Bus 316, Principles of Marketing
 - Bus 328, Venture Planning
 - Comm 190, Introduction to Radio
 - Comm 212-312, Broadcast Media Production I & II
 - Comm 270, Media, Law and Ethics
 - Comm 326, Creating for the Web
- Ensemble participation at least seven semesters NC
- Pianists only: accompany at least three sophomore recitals or equivalent NC

Music and worship concentration (30-31 credit hours)

- One of the following courses: 3
 - Mus 208, Introduction to Piano Pedagogy
 - Mus 210, Learning and Teaching Concepts in Music
- Mus 212, Song Leading 1
- Mus 241, Music Technology 3
- Mus 311, Topics in Music Literature: Music in Worship 2
- Mus 312, Conducting 3
- Mus 409, Internship 1-2
- Applied music 8
- Three related courses chosen from the following: 9
 - Bibl 301, Hebrew Scriptures
 - Engl 120, Introduction to Creative Writing
 - Psyc 210, Developmental Psychology
 - Rel 210, Introduction to Youth Ministry

Rel 202, Religion in the Americas
 Rel 320, Christian Faith
 Thea 235, The Power of Story
 Thea 245, Aesthetics

- Ensemble participation at least six semesters NC
- Public demonstration of leading chamber ensemble or congregational singing NC
- Pianists only: accompany at least two sophomore recitals or equivalent NC

Piano pedagogy concentration (29 credit hours)

- Mus 208, Introduction to Piano Pedagogy 3
- Mus 211, Group Piano Instruction 2
- Mus 302, History of Music II 3
- Mus 304, Advanced Music Theory II 3
- Mus 310, Private Teaching 2
- Mus 311, Topics in Music Literature 2
- Mus 412, Piano Literature 2
- Applied music 12
- At least six semesters of ensemble/accompanying NC
- Accompany at least two sophomore recitals or equivalent NC

Research and performance endorsement options

Research endorsement requirements:

1. Sophomore qualifying recital (15 min.) or lecture-recital (20 min.) involving live performance and sample of written scholarly work (3,000 words) on a music topic submitted to faculty.
2. Junior project: a lecture or lecture-recital (30 min.) or a presentation at the student research symposium. Paper must be submitted to faculty for approval one month in advance.
3. Senior presentation of a scholarly paper (60 min.), which may or may not include performance. A 9-10,000 word paper must be submitted to faculty one month prior to the public presentation.

Performance endorsement requirements:

1. Sophomore qualifying recital (20-25 min.)
2. Junior recital (30 min.)
3. Senior recital (50-60 min.) A permission performance is required one month prior to the public senior recital date.
4. Specific instrument requirements:
Pianists - learn at least one full concerto (may serve as junior recital) and accompany at least three sophomore recitals or comparable collaborative performances.
Violinists - learn at least one full concerto (may serve as junior recital)
Other instrumentalists - significant sonata repertoire and full concerto or other collaborative chamber project.

Additional requirements

Keyboard proficiency. Keyboard proficiency will require facility in sight-reading, keyboard technique, harmonization, transposition, improvisation and playing by ear. Prior to entering the first semester of music theory (Mus 201), an examination will be given to determine the student's keyboard proficiency level and placement in the keyboard theory labs. Keyboard proficiency exams will be given at the end of each semester. In order to pass the keyboard proficiency exam, most students require a sequence of study that begins with the 200-level music theory keyboard skills labs and continues with at least one semester of private applied piano study. Students earning a grade of B or higher in

Mus 250 Class Piano automatically meet the requirement. Fulfilling the keyboard proficiency requirement early on in the degree program (by the end of the junior year at the very latest) is strongly recommended.

Departmental recitals. All music majors are expected to perform at least once per semester in the music department weekly recitals. All music minors are expected to perform at least once a year.

Sophomore qualifying recital. All music majors, minors and interdisciplinary majors with a focus in music are required to present 15-20 minutes of music in a public recital by the end of their fourth semester of applied music study. Successful completion of this requirement, as well as acceptable work in other music studies, is a prerequisite for continuing as a major in the department.

Junior recital/project. Junior recitals/projects are required only for students pursuing the research or performance endorsements. See specific requirements under those headings and on the music department Web site.

Senior recital/lecture-recital/project. For those required to perform or present a senior recital or project, a permission performance is required one month prior to the public senior recital/presentation date. All program notes, translations and written documents must be submitted at the time of the permission for review and approval. Senior recitals are not required for music minors, but may be included (NC) if agreed upon by the student and music department adviser.

Ensemble participation. All music majors and minors are required to participate in a core ensemble (chorale, chamber choir, orchestra, or wind symphony). Participation in non-core ensembles is also encouraged (jazz band, men's chorus, women's world music choir, Voices-n-Harmony, percussion ensemble, small chamber groups).

Planning guide

First year General education
Music Theory or Foundations of Music Theory
Applied music
Survey of Music Literature

Second year General education
Music Theory (if not taken in first year)
Specialty Course: Learning & Teaching Concepts in Music,
Introduction to Piano Pedagogy, Music Technology,
Vocal Methods and Pedagogy, String Methods and Pedagogy
Applied music
Sophomore recital
SST

Third year General education
Advanced Theory
Applied music
Courses in concentration

Fourth year Balance of general education
Balance of major
History of Music
Topics in Music
Senior Seminar
Recital or paper

Fifth year Student teaching in fall for music education majors

Minor in Music

20-21 credit hours

- Mus 201-202, Music Theory I & II 8
- Mus 204, Survey of Music Literature 3
- Mus 212, Song Leading 1
- Applied music 6
- One of the following courses: 2-3
 - Mus 210, Learning and Teaching Concepts in Music
 - Mus 241, Music Technology
 - Other upper level Music course (300 and above), not ensemble
- Ensemble participation at least six semesters NC
- Sophomore recital or project (may be given in junior or senior year).. NC

Planning and advising note

Students pursuing a minor in music, especially those receiving music scholarships, are strongly encouraged to complete all requirements by the end of their junior year, particularly the 201-202-204 sequence of courses.

Minor in piano pedagogy

22 credit hours

- Mus 201-202, Music Theory I & II 8
- Mus 204, Survey of Music Literature 3
- Mus 208, Introduction to Piano Pedagogy 3
- Mus 310, Private Teaching..... 2
- Applied music: piano 6
- Ensemble participation at least four semesters..... NC
- Sophomore recital or project (may be given in junior or senior year).. NC

Minor in music in worship

20-21 credit hours

- Mus 201-202, Music Theory I & II 8
- Mus 204, Survey of Music Literature 3
- Mus 212, Song Leading 1
- Mus 311, Topics in Music Literature: Church Music..... 2
- Applied music 4
- One of the following courses: 2-3
 - Mus 208, Introduction to Piano Pedagogy
 - Mus 210, Learning and Teaching Concepts in Music
 - Mus 241, Music Technology
- Ensemble participation at least four semesters..... NC
- Sophomore recital or project (may be given in junior or senior year).. NC

Certificate programs

One-year certificates are available in music in worship or in piano pedagogy. See the department chair or the registrar for more information.

Music courses

MUS 102 Foundations of Music Theory 2

An introduction to the reading and interpretation of musical notation for those with limited experience. The development of basic aural and keyboard skills, along with exposure to

musical forms and styles will also be included. Intended as preparation for Mus 201-202 and as an exploratory experience for all aspiring musicians.

MUS 201 Music Theory 3

Designed to show how music is constructed artistically. Develops the ability to hear and perform music and teaches the technical elements necessary for original composition. Participation in the keyboard and aural-skills labs is required (.5 credit hours each). Prerequisite: successful diagnostic theory exam, or completion of Mus 102.

MUS 202 Music Theory 3

Designed to show how music is constructed artistically. Develops the ability to hear and perform music and teaches the technical elements necessary for original composition. Participation in the keyboard and aural-skills labs is required (.5 credit hours each). Prerequisite: Mus 201.

MUS 204 Survey of Music Literature 3

Designed to follow a year of music theory and precede the study of music history, this course presents an introduction to the basic style periods in Western music literature and acquaints the student with the main forms, composers and masterworks of those epochs.

MUS 208 Introduction to Piano Pedagogy 3

This introductory course in the piano pedagogy sequence focuses on the beginning student and on the materials and teaching techniques most effective for this level of instruction. The course includes weekly lecture-discussion sessions, observation of class and private instruction, and the supervised teaching of weekly private lessons. This course is an alternative to Mus 210.

MUS 209 Music Field Experience 1 (1-3)

On-campus internships supervised by a professor. May include arts administration, audio recording technology, church music, private teaching or other fields.

MUS 210 Learning/Teaching Concepts in Music 3

This is an introductory course for anyone who may someday teach music. It focuses on understanding the importance and power of melody, high quality diverse repertoire, song teaching strategies and developing skills for teaching children. The course also includes skill development on folk instruments: guitar, banjo, mountain dulcimer, autoharp and recorder. A fieldwork component provides real life experience with young singers.

MUS 211 Group Piano Instruction 2

This course will provide students with an introduction to the pedagogy of group piano instruction for older students. We will examine a four-semester curriculum that encompasses elementary to intermediary piano levels. The pedagogical approach will examine conceptual learning and problem solving in relation to the following: ear playing, reading, transposition, harmonization, improvisation, technique and repertoire. Primary aims of study: Learning the applied skills such as ear playing, harmonization and transposition and being able to utilize these materials to convey important musical concepts in a classroom situation; gaining a greater appreciation, through research, of the academic literature concerning group piano instruction; surveying several college-level class piano texts.

MUS 212 Song Leading 1

A introductory course using Hymnal: A Worship Book as a primary text. Emphasis will be placed on learning how to be a confident song leader. Attention will also be given to incorporating a variety of quality worship music in a worship setting. No prerequisite. Nonmajors are welcome.

MUS 240 Class Voice 2

Breathing, diction and other beginning techniques of voice production learned through exercise and song. Musical and dramatic interpretation studied within a singing performance setting. This course serves as a prerequisite for private applied voice study

for students without previous vocal instruction. Exceptions are determined by the voice faculty.

MUS 241 Music Technology	2
Introduces student to MIDI, recording, digital audio, notation software and computer-aided instruction in music. Students produce projects relevant to individual areas of study. Explores the historical role of technological development on musical composition and the more practical applications of current technologies. Current issues such as duplication, distribution and intellectual property also discussed. .	
MUS 250 Class Piano	2
A course of study for the beginning adult pianist, this course will meet in the Yamaha Clavinova lab. Skill development in ear playing, reading, transposition, harmonization, improvisation, technique and repertoire. Students earning a grade of B or higher in this course will have automatically met their piano proficiency requirement.	
MUS 260 Chamber Music	1
Designed as an avenue to explore the intricacies of small ensemble playing. A pre-approved chamber group receives chamber coaching and general supervision with a music professor. The class is open to vocalists and instrumentalists.	
MUS 261 Jazz Band	0 (0-1)
Lavender Jazz is Goshen College's big band. The group plays classic jazz standards and styles, such as swing, blues, waltz, mambo, cha cha and funk. Lavender Jazz performs in a variety of settings, including concert halls, malls, churches, high schools, and makes recruiting trips throughout the year.	
MUS 262 Opera Workshop	0 (0-1)
Opera Workshop is open to music majors and nonmajors by audition, and may be taken with or without credit. In the spring semester of odd-numbered years, Opera Workshop will perform a complete production of a major opera, operetta, or musical. In the spring semester of even-numbered years, Opera Workshop will meet weekly as a class with the goal of performing a variety of shorter excerpts from opera, operetta and music theater. In the fall semesters, students may sign up for Opera Workshop as an independent study course with students assigned to smaller solo and ensemble scenes.	
MUS 265 Composition	2
Composition	
MUS 269 Percussion	2
Percussion	
MUS 270 Cello	2
Cello	
MUS 271 Organ	2
Organ	
MUS 272 Piano	2
Piano	
MUS 273 Viola	2
Viola	
MUS 274 Violin	2
Violin	
MUS 275 Voice	2
Voice. Prerequisite: Mus 240.	
MUS 277 Flute	2
Flute	

MUS 278 Bassoon	2
Bassoon	
MUS 279 Oboe	2
Oboe	
MUS 281 French Horn	2
French Horn	
MUS 282 Trumpet	2
Trumpet	
MUS 283 Clarinet	2
Clarinet	
MUS 284 String Bass	2
String Bass	
MUS 286 Guitar	2
Guitar	
MUS 287 Saxophone	2
Saxophone	
MUS 288 Harpsichord	2
Harpsichord	
MUS 290 Choir (Chorale)	0 (0-1)
The Chorale is open by audition to all singers. Its members represents a wide variety of academic majors. The choir sings choral treasures from every continent and every period of music history. Often the Chorale joins with the Chamber Choir to perform a major work. Choral also performs concerts in the fall and spring, and at occasional off-campus events.	
MUS 292 Orchestra	0 (0-1)
The Goshen College Orchestra presents concerts of major orchestral works each semester. In addition, it accompanies the choirs, opera productions and student winners of the annual Concerto-Aria competition. Thr orchestra also performs in the department's annual Festival of Carols program, hosts world-renowned guest soloists and composers, and occasionally serves as the host ensemble for nationally advertised conducting workshops. The orchestra is open to all students by audition, regardless of major.	
MUS 295 Harp	2
Harp	
MUS 296 Trombone	2
Trombone	
MUS 297 Tuba/Euphonium	2
Tuba/Euphonium	
MUS 298 Wind Symphony	0 (0-1)
An opportunity for all brass, woodwind and percussion players to perform classic and contemporary works of the concert band and chamber winds repertoire. Open to music majors and nonmajors by audition. Auditioned high school students also participate in this group. Three-four on-campus and numerous off-campus concerts are presented each season, as well as periodic tours.	
MUS 301 History of Music	3
History of musical style within Western civilization from the ancient Greeks to the modern day. Special emphasis on important trends and their relation to the other arts. Prerequisite: Mus 201-202, Mus 204 or permission of instructor.	

MUS 302 History of Music	3
History of musical style within Western civilization from the ancient Greeks to the modern day. Special emphasis on important trends and their relation to the other arts. Prerequisite: Mus 201-202, Mus 204 or permission of instructor.	
MUS 303 Advanced Music Theory	3
Study of chromatic harmony through altered chords and modulation procedures of the late 18th and 19th centuries. Introduction of orchestration and 20th century composition techniques. Original composition. Continuation of analysis techniques. Prerequisites: Mus 201-202, Mus 204, or permission of instructor.	
MUS 304 Advanced Music Theory	3
Study of chromatic harmony through altered chords and modulation procedures of the late 18th and 19th centuries. Introduction of orchestration and 20th century composition techniques. Original composition. Continuation of analysis techniques. Prerequisites: Mus 303.	
MUS 305 String Methods & Materials	2
Study of a variety of pedagogical materials and procedures. Particular emphasis on the methods and ideas of Shinichi Suzuki. Class lessons on stringed instruments.	
MUS 306 Woodwind Methods & Materials	2
Study of pedagogical materials and teaching techniques appropriate to the woodwind instruments. Class lessons on woodwind instruments.	
MUS 307 Brass Methods & Materials	2
Study of pedagogical materials and teaching techniques appropriate to the brass instruments. Class lessons on brass instruments.	
MUS 308 Vocal Methods & Pedagogy	2
Required of all music-education majors and strongly recommended for all vocal performance majors. Study of basic concepts of singing in a class setting with the goal of assisting students in becoming effective teachers of singing. Emphases will include review of basic singing technique, vocal physiology, drill in diagnosis and correction of vocal problems, diction and vocalizing for desired results. There will be a fieldwork dimension to this class.	
MUS 310 Private Teaching	2
With special emphasis on the intermediate level student, this course focuses on the integration of theory, skills and repertoire; the reconstruction of transfer students; adolescent psychology and piano study; and a survey of intermediate materials.	
MUS 311 Topics in Music Literature	2
The study of a major composer, genre or style. The topic will be church music at least every other year. Prerequisites: Mus 201-202 and Mus 204 or consent permission of the instructor.	
MUS 312 Conducting	3
Principles of conducting theory and practice. Course begins with basic technique and progresses to score preparation and rehearsal planning for large ensembles. Students are encouraged, though not required, to take Mus 212 prior to Mus 312.	
MUS 330 Teaching Secondary School Music	2
This course deals with the practical strategies needed to build a successful music program at the secondary level (grades 7-12). Topics studied will include: developing high quality repertoire including multicultural elements, understanding the male changing voice, program structure, student rapport and classroom management, concert programming, marketing and recruiting, assessment strategies, and teaching musical literacy. A field component provides hand-on experience to develop important teaching skills prior to student teaching.	

MUS 340 Audio Production	3
An introduction to the recording studio presenting its function in commercial music production. Areas include basic electronics, studio setup and engineering fundamentals. Lecture/lab.	
MUS 355 Arts in London	4
(Cross-listed from Thea 355) A May term class that encompasses theater, art and music study and experiences in London, England. Class activities include morning lectures, visits to art galleries, attending music and theater performances, and day trips to Coventry, Stratford-upon-Avon, Salisbury and other locations. Daily writing assignments and a major project required. Offered in alternate years. Extra cost.	
MUS 360 Chamber Music	1
Designed as an avenue to explore the intricacies of small ensemble playing. Approved chamber groups of two to eight students work with the instructor on rehearsal techniques and music decision making in a master-class setting. The class meets weekly and is open to all vocalists and instrumentalists.	
MUS 362 Opera Workshop	1
Opera Workshop is open to music majors and nonmajors by audition, and may be taken with or without credit. In the spring semester of odd-numbered years, Opera Workshop will perform a complete production of a major opera, operetta, or musical. In the spring semester of even-numbered years, Opera Workshop will meet weekly as a class with the goal of performing a variety of shorter excerpts from opera, operetta and music theater. In the fall semesters, students may sign up for Opera Workshop as an independent study course with students assigned to smaller solo and ensemble scenes.	
MUS 365 Composition	2
Prerequisite: Mus 265	
MUS 369 Percussion	2
Prerequisite: Mus 269	
MUS 370 Cello	2
Prerequisite: Mus 270	
MUS 371 Organ	2
Prerequisite: Mus 271	
MUS 372 Piano	2
Prerequisite: Mus 272	
MUS 373 Viola	2
Prerequisite: Mus 273	
MUS 374 Violin	2
Prerequisite: Mus 274	
MUS 375 Voice	2
Prerequisite: Mus 275	
MUS 377 Flute	2
Prerequisite: Mus 277	
MUS 378 Bassoon	2
Prerequisite: Mus 278	
MUS 379 Oboe	2
Prerequisite: Mus 279	
MUS 381 French Horn	2
Prerequisite: Mus 281	

MUS 382 Trumpet	2
Prerequisite: Mus 282	
MUS 383 Clarinet	2
Prerequisite: Mus 283	
MUS 384 String Bass	2
Prerequisite: Mus 284	
MUS 386 Guitar	2
Prerequisite: Mus 286	
MUS 387 Saxophone	2
Prerequisite: Mus 287	
MUS 388 Harpsichord	2
Prerequisite: Mus 288	
MUS 390 Choir (Chamber)	0 (0-1)
Chamber Choir is an auditioned group of 20-30 junior and senior singers, performing secular and sacred music from the Renaissance, Baroque, Classical and Modern periods. The Chamber Choir occasionally joins the Goshen College Orchestra for choral/orchestral works. Three or four on-campus and numerous off-campus concerts are presented each season, as well as periodic tours. Prerequisite: Mus 290	
MUS 395 Harp	2
Prerequisite: Mus 295	
MUS 396 Trombone	2
Prerequisite: Mus 296	
MUS 397 Tuba/Euphonium	2
Prerequisite: Mus 297	
MUS 400 Special Projects in Music	1
May be elected for additional individual work in music theory, analysis, music history, conducting, music recording or music technology. May be repeated.	
MUS 409 Music Internship	3 (1-3)
Designed to give students practical experience in music-related fields such as arts administration, music business, audio recording technology, church music and music therapy. Internships are individually arranged with the work supervisor and faculty adviser.	
MUS 410 Senior Seminar	1
Weekly meetings of music majors and faculty to discuss vocational, curricular and ethical/spiritual topics.	
MUS 412 Piano Literature	2
A functional knowledge of piano literature is essential for all pianists and teachers. This course will present an historical survey of piano literature from J.S. Bach to the present day focusing on stylistic elements pertinent to particular composers. Special emphasis will be given to works that may be best suited for advanced students, both high school and at the college undergraduate level.	

Nursing

Professor B. Srof

Associate Professors T. Buller, M. Helmuth, J. Hoffman, V. Kirkton (director), R. Stoltzfus, J. Weaver-Yoder, S. Wenger, G. Weybright, C. Wood

Assistant Professor L. Kirkton

Introduction

The nursing department offers a bachelor of science degree in nursing and also two master's degrees described in the Graduate Programs section of this catalog. The department is committed to excellence in nursing education and practice with an emphasis in liberal arts and the discipline of nursing. The nursing program provides opportunities for the student to gain knowledge and develop values for personal and professional growth and to prepare the student for entry into professional nursing practice as a generalist in settings where health care is provided. The study of the practice of nursing is based on nursing and related theories, scientific principles, intercultural perspectives and Christian ethics. The program prepares graduates with a foundation for continuous intellectual inquiry, graduate study and/or eventual specialization in nursing.

Visit the [nursing department home page at www.goshen.edu/nursing](http://www.goshen.edu/nursing).

Upon graduation, graduates in nursing will:

1. Utilize knowledge from the humanities, theology, natural and social sciences, nursing theories and intercultural experiences in providing nursing care.
2. Use the nursing process by employing strategic thinking, decision making, psychomotor and interpersonal skills.
3. Develop a sense of vocational direction by interpreting the historical role of nursing and participate in the present emerging roles of the professional nurse.
4. Collaborate and consult with clients and the interdisciplinary team in providing comprehensive health services that reflect a healthy understanding of self and others.
5. Assume leadership that empowers self and others, foster ability to resolve conflicts, function as a change agent and promote accountability.
6. Use the ability to think actively and strategically in applying selected research findings to improve nursing practice.
7. Demonstrate personal and professional growth by commitment to lifelong learning and involvement in professional and community activities.
8. Demonstrate a faith that is active and reflective; appreciate transcendent reality of aesthetic and spiritual experiences; and be sensitive and responsive to spiritual needs of self and others.
9. Demonstrate stewardship of the environment and examine ethical issues in relationship to Christian faith

Two tracks, one degree.

The nursing program has both a basic and a B.S.N. completion track. Students who have just graduated from high school or have completed some college, follow the basic track. Students who have graduated from a three-year diploma or associate degree program in nursing and are registered nurses follow the completion track. It is also possible for registered nurses to fit into the basic track, however the completion track was designed to provide an accelerated option that builds on previous education, nursing practice and life experience. The program outcomes for graduates are the same for students enrolled in either track. At graduation, the bachelor of science in nursing degree is conferred.

Basic track

Admission process

Applicants should be in the upper half of their high school graduating class. The high school program should include foreign language, algebra, chemistry and biology. Physics is also recommended. Applications to the professional nursing program are submitted during the second semester of the freshman year. Applications are due by March 1 and are processed by April 30. The first nursing course begins in the fall of the sophomore year. This course is also offered during the summer session. The applicant's readiness for admission to the nursing major is determined by academic performance, references, health record and a security check.

Transfer students from other nursing programs

Students who wish to transfer to the nursing program at Goshen College from another pre-nursing or nursing program will be reviewed on an individual basis. Admission to the nursing program will be based on the academic and clinical performance of the student. The department of nursing may request a reference letter from the previous nursing programs regarding academic and clinical performance.

Academic and professional requirements

General. Admission to Goshen College as outlined in the [Admission Web site](#).

Professional. Essential abilities necessary to learn the professional nurse role include critical thinking, conceptual and judgmental skills, neurological function so that the senses can be used to make correct clinical judgments and perform psychomotor skills safely; the ability to communicate clearly; effective emotional coping skills; accountability; and the ability to engage in activities consistent with safe nursing practice.

Academic. Grade of C or above in supporting and nursing courses and a cumulative college grade point average of 2.5 or higher.

Mathematics requirement. All first-year or transfer students who are enrolled in pre-nursing courses need to take the Math Competency exam during registration. A score of 60% or above is required on this placement test. Students who score below 60% must take Math 105, Understanding Our Quantitative World.

Other. The nursing department reserves the right to adjust the current admission criteria when outcome assessment data demonstrate the need for such changes.

Continuation criteria

A grade of C or above in all supporting and nursing courses and a college grade point average of 2.5 or higher is required for continuation in the nursing major. A grade of C- or below in a supporting or nursing course interrupts the student's plan of study. The course must be repeated with a grade of C or higher prior to advancement to the next level. Nursing and supporting courses may be repeated only once. The number of repeated courses is limited to two supporting courses and one nursing course. The nursing department reserves the right to place a student on probation or require a student to withdraw from the nursing major when that student displays behaviors deemed inappropriate to the practice of professional nursing.

Graduation requirements

Completion of 120 credit hours accepted by Goshen College, successful completion of all nursing courses, cumulative grade point average of 2.5 or higher in college course work.

Licensure exam

Upon completion of the degree, the student is eligible to take the National Council Licensure Examination - RN (NCLEX-RN) for licensure as a registered professional nurse. The program is accredited by the Commission on Collegiate Nursing Education and is approved by the Indiana State Board of Nursing.

Major in nursing (basic track)

87 credit hours

Modified general education program for nursing students

The same general education requirements apply as for students in other majors, with two exceptions:

1. Nurs 309, Health Care Ethics meets the PJCS/Philosophy requirement.
2. Nursing majors who elect alternate international education do not need to meet the language pre-requisite. Instead, one of the courses within the 12 credit hours taken must be in foreign language.

Supporting courses (41 credit hours)

Complete prior to enrolling in nursing courses:

- Chem 101-102, The Chemistry and Physics of Life 7
- Biol 203-204, Human Anatomy and Physiology 7

Complete prior to or concurrent with 200-level nursing courses:

- Biol 206, Microbiology 3
- Chem 220, Human Nutrition 3
- Psyc 100, General Psychology 3
- Psyc 210, Developmental Psychology 3
- Soc 200, Principles of Sociology 3
- Soc 210, Sociology of the Family 3

Complete prior to or concurrent with 300-level nursing courses:

- Biol 320-321, Human Pathophysiology I & II 6
- Psyc 306, Abnormal Psychology 3

Nursing courses (46 credit hours)

- Nurs 210, Introduction to Professional Nursing 3
- Nurs 211, Concepts and Strategies in Nursing 3
- Nurs 212, Holistic Client Assessment* 3
- Nurs 305, Pharmacology and Drug Administration* 3
- Nurs 306, Nursing Care of the Adult I* 3
- Nurs 307, Nursing Care of the Adult II* 3
- Nurs 309, Health Care Ethics 2
- Nurs 311, Nursing Care of the Expanding Family* 3
- Nurs 312, Nursing Care of the Child* 3
- Nurs 403, Nursing Research 2
- Nurs 404, Care of the Older Adult* 3
- Nurs 405, Psychiatric/Mental Health Nursing* 3
- Nurs 406, Acute Care Nursing* 3
- Nurs 408, Community-Health Nursing* 3
- Nurs 409, Leadership in Nursing* 3
- Nurs 410, Senior Seminar in Nursing 3

*Denotes courses with a clinical component or practice-based project.

Planning and advising notes

Students who had two semesters of high school chemistry with a grade of B- or higher are exempt from Chem 101 but are required to take Chem 102. SoWk 221 Human Behavior may be substituted for Psyc 210 with approval of the director.

Nursing courses

NURS 210 Intro to Professional Nursing 3

Selected nursing theories, nursing process and research will be studied as foundations

for nursing practice. Emphasis will be on the nurse as a person and the importance of self-understanding, accountability, communication and helping relationships. The role of the professional nurse is studied in terms of an ever-changing health care delivery system and emerging nursing practice settings. Introduction to client as individual, family and community.

NURS 211 Concepts & Strategies in Nursing 3

Selected concepts and strategies inherent in basic nursing practice are studied. These are organized according to classification systems of nursing diagnoses, interventions and outcomes. Related nursing skills are incorporated. Prerequisite: Nurs 210.

NURS 212 Holistic Client Assessment 3

Holistic client assessment focuses on collection of a database within the context of the nursing process. Components of the data include the health history and assessment of functional health patterns, body systems, growth and development, and cultural and spiritual dimensions. Assessment is linked with current health screening recommendations and a health promotion framework. Clinical and laboratory experiences are included. Prerequisite: Nurs 210, prerequisite or corequisite: Nurs 211.

NURS 305 Pharmacology & Drug Administration 3

An introduction to drug therapy focusing on drug classifications with an emphasis on: 1) principles of drug therapy and the actions of a classification, 2) drug administration in a clinical setting, 3) problem solving with clinical situations, and 4) nursing interventions with rationale. Nonnursing majors may take the course for one or two hours. Prerequisites: Nurs 211 and Nurs 212 for nursing majors and by consent of instructor for nonnursing majors.

NURS 306 Nursing Care of the Adult I 3

The nursing process is used with adults and families experiencing illness. Content areas in this course include nursing care of adults with fluid and electrolyte and acid/base imbalance, gastrointestinal disorder, musculoskeletal problems, chronic neurological problems, urinary/genital conditions, and autoimmune disorders. Clinical experiences consist of providing holistic nursing care to adults in medical/surgical clinical areas, with emphasis on perioperative nursing. Prerequisite: Nurs 212. Co-requisites: Nurs 305, Biol 320

NURS 307 Nursing Care of the Adult II 3

The nursing process is used with adults and families experiencing illness. Content areas in this course include nursing care of adults with fluid and electrolyte and acid/base imbalance, cancer, lower respiratory problems, diabetes, and cardiovascular problems. Clinical experiences consist of providing holistic nursing care to adults in medical/surgical clinical areas. Prerequisite: Nurs 212. Co-requisites: Nurs 305, Biol 320.

NURS 309 Health Care Ethics 2

In this course, students will actively reflect on ethical issues which are present in health care for practitioners and consumers. The focus will be on the process of ethical inquiry rather than decision outcomes. In the process of analyzing bioethical issues, student will be introduced to ethical theory and modes of ethical analysis informed by the Christian faith. Prerequisites: Open to third- and fourth-year students from all departments.

NURS 311 Nursing Care of Expanding Family 3

The nursing process and knowledge of normal and selected abnormal conditions experienced during the childbearing cycle are addressed. Clinical experiences occur with the family in the community and hospital. Prerequisite: All 200-level nursing courses. Co-requisites: Nurs 305, Biol 320.

NURS 312 Nursing Care of the Child 3

The focus of this course is on common conditions and illnesses of children. The clinical focuses of the nursing care of the ill child. Developmental concepts, health promotion

and prevention are emphasized in clinical and theory. Prerequisite: All 200-level nursing courses. Co-requisites: Nurs 305, Biol 320.

NURS 403 Nursing Research 2

Basic concepts of nursing research are examined. Focuses on critical analysis of published nursing research as a basis for using research in clinical practice.

Prerequisites: nine credit hours of 300-level clinical nursing courses.

NURS 404 Care of the Older Adult 3

The course examines health issues encountered during the final four decades of the life span, from active older adult through the end of life. Professional nursing roles incorporate a focus on how care fits within the concept of family for each client. Clinical experiences take place in the homes, long term care facilities, and community settings where older adults reside. Prerequisites: All 300-level clinical nursing courses.

NURS 405 Psychiatric/Mental-Health Nursing 3

A study of psychiatric/mental-health nursing practice. The clinical component provides opportunities in a psychiatric hospital and community mental-health settings. The role of the nurse as a member of the mental-health team is emphasized. Prerequisites: All 300-level clinical nursing courses, Psyc 306.

NURS 406 Acute-Care Nursing 3

Nursing concepts and theories are applied to the care of acutely ill adults and their families. Selected content areas in this course include cardiovascular, respiratory, neurological, renal and burns. Clinical experiences occur in an acute care facility and involve caring for acutely ill adults with complex nursing needs. Prerequisites: All 300-level clinical nursing courses.

NURS 408 Community-Health Nursing 3

Applies a synthesis of nursing and public health theories to the assessment and care of aggregates in the community. Community health planning for aggregates is done using various community agencies and resources. The public health delivery system is differentiated from the private health care delivery system in its emphasis on social justice. Prerequisites: All 300-level clinical nursing courses.

NURS 409 Leadership in Nursing 3

This course continues to focus on the use of the nursing process with clients. Content includes management and leadership theories. The clinical experience includes management of care for multiple clients. Prerequisites: All supporting courses and clinical nursing courses.

NURS 410 Nursing Senior Seminar 3

A focus on integration of current professional practice issues. Students articulate their own philosophy of health care and nursing including their faith beliefs, rights of clients and responsibility to deliver quality nursing care. Prerequisites: All clinical nursing courses.

B.S.N. completion track

Introduction

Registered nurses may choose to take the either the basic track or participate in the B.S.N. completion track described below, designed for the working registered nurse. The B.S.N. completion program is offered in collaboration between the [Goshen College nursing department](#) and [Division of Adult and External Studies \(DAES\)](#). Transcripts from previous nursing education programs are evaluated individually and credits are transferred accordingly. Credit by examination is also an option for general education and supporting courses.

Structure of the program

This track allows registered nurses to complete a B.S.N. in about 19 months. The track is designed to affirm personal and professional strengths. Students are actively involved in identifying their strengths and their learning needs. Study guides are provided to maximize off-campus study and in-class activity time. The collaborative education process makes student experiences and insights a vital part of classroom activities. Each group of R.N.s progresses through the courses as a cohort group. Classes meet one night a week for four hours and vary in length from two to 10 weeks. The same night of the week is used for a group throughout the program. Clinical experiences for specified courses will be arranged at other times during the week. Thirteen courses provide 40 credit hours, of which 28 are upper-level nursing credits and 12 are general education credits.

Admission requirements

- An associate degree or diploma in nursing from an accredited program.
- A cumulative grade point average of 2.5 or higher in prior academic work.
- Completion of all prerequisite supporting courses (listed below).
- Transfer of a minimum of 60 credit hours from an accredited college.
- Current licensure as an R.N. in Indiana or a neighboring state where the clinical component can be completed.
- Equivalence of one year of full-time employment as a registered nurse in a health-care delivery setting. Currency and relevance of work experience will be evaluated individually.

Prerequisites

Prior to assignment to a group and beginning progression through the track, the following courses (or their achievement test equivalent) must be completed.

General education: English composition course (3 credit hours)

Supporting courses: Anatomy and physiology course (4 credit hours) and Sociology or psychology course (3 credit hours)

Graduation requirements

1. Completion of 120 credit hours accepted by Goshen College.
2. Completion of the B.S.N. completion track.
3. Cumulative GPA of 2.5 or above in this program.
4. Completion of general education and supporting-course requirements outlined above.

Courses for the B.S.N. completion program

Nurs 331 Philosophy and Theories of Nursing..... 3

Bridge course that prepares adult learners for upper-level college study. The metaparadigm of nursing is utilized as the organizing framework for exploration of self and nursing. The evolution of nursing science, theory, research, and practice are studied.

Nurs 332 Holistic Client Assessment* 3

Builds on prior learning, expanding history taking and physical assessment skills across the life span. Includes spiritual, cultural and family assessment.

Nurs 333 Nursing Research 4

Basic concepts of nursing research are examined. Students will focus on applying these concepts by locating, reading and utilizing published nursing research reports to make recommendations for evidence based nursing practice. Nursing research is differentiated from research in other fields.

Nurs 334 Communication Skills for Professional Nurses 3
 This course responds to the challenges of professional communication and the expectations for registered nurses who are baccalaureate students. The focus is on critique and the development of individual written and oral communication for content, style and effectiveness. Access and management of information will be discussed.

Rein 305 Enduring Issues in Christian Prospectives 3
 Examines the biblical heritage and major doctrines of Christian faith. Explores basic issues such as individualism and community, personal decision-making, social justice, and relating to other religious traditions. Class members will be challenged to think through their own responses to these issues.

Socn 305 Social Systems 3
 Family and organizational systems within their cultural and societal context are examined from a social-theory perspective. Functional/dysfunctional systems and change theory are studied.

Hist 202 American History II (1877 to present) 3
or Hist 203 World History II (1500 to present) 3
 See [history](#) section of the catalog for course descriptions.

Nurs 437 Cross-Cultural Aspects of Health and Illness 4
 Health, illness and various health-care systems are explored. Theory relative to culture and specific aggregates will be studied.

Hum 223 Humanities: Music and Art 3
or Hum 224 Humanities: Music and Theater 3
or Hum 225 Humanities: Art and Theater 3
 See [humanities](#) section of the catalog for course descriptions.

Nurs 438 Community Health Nursing* 4
 Applies a synthesis of nursing, public health and community health theories to the assessment and care of "aggregate as client" in a community setting. Emphasis will be on aggregates or populations rather than individuals and families. Builds on prior courses that focus on assessment, social systems, culture, research, communications, and client education.

Nurs 439 Health-Care Ethics 2
 In this course, students will actively reflect on ethical issues which are present in health care for practitioners and consumers. The focus will be on the process of ethical inquiry rather than decision outcomes. In the process of analyzing bio-ethical issues, student will be introduced to ethical theory and modes of ethical analysis informed by the Christian faith.

Nurs 447 Issues Seminar 1
 The focus of this course is on integration of current issues in the practice of professional nursing. Students articulate their own philosophy of health care and nursing including their faith beliefs, rights of clients and responsibility to deliver quality nursing care.

Nurs 449 Leadership in Nursing* 4
 Leadership and management principles are applied to clinical practice. Clinical practice component of course will be arranged with each student.

* Denotes courses with clinical component or practice-based project

Peace, justice and conflict studies (PJCS)

Professor J.C. Liechty (chair)

Associate Professors C. Schrock-Shenk, R. Shands Stoltzfus

Adjunct Professors T. Shantz, K. Shelly, P. Thomas, S. Thomas

Introduction

Goshen College offers four academic peace programs. Visit the peace, justice and conflict studies program Web site at www.goshen.edu/peace.

- [Major in peace, justice and conflict studies](#)
- [Minor in conflict transformation studies](#)
- [Minor in peace and justice studies](#)
- [Certificate in conflict transformation for teachers](#)

The major introduces students to the array of topics and disciplines that make up peace, justice and conflict studies, while also allowing students to focus in areas of particular interest. The minor in conflict studies is oriented toward students hoping to use conflict transformation skills in a particular career or profession. The minor in peace and justice studies prepares students from a wide variety of academic majors for work in peace and justice organizations and other service agencies in the United States or abroad. The certificate program in conflict transformation, offered in conjunction with the teacher education program, trains education students in conflict transformation skills relevant for the classroom. The PJCS department and its programs are rooted in Anabaptist-Mennonite theology and history. Courses emphasize action-reflection learning in addition to more traditional classroom opportunities. Classes, internships and co-curricular activities equip students with a framework of personal values and skills that will help them make a positive impact wherever they live.

Special resources and activities

At the Indianapolis Peace Institute, students from three collaborating colleges (Goshen, Manchester and Earlham) and beyond join in an urban peacemaking experience, involving a substantial internship, several peace studies courses and independent study.

PJCS majors undertake a wide variety of paid and voluntary internships in Goshen, across the United States, and around the world. Examples of recent internships include Mennonite Disabilities, La Casa of Goshen, the Fourth Freedom Forum, the Center for Community Justice in Elkhart, the Elkhart County Probation Department, Boys and Girls Clubs of Elkhart and Goshen, Jubilee Partners in Georgia and Corrymeela in Northern Ireland.

Campus co-curricular activities include the annual C. Henry Smith Peace lectureship, the annual student peace oratorical contest, the student PAX organization, the peace play competition, peace studies community forums, peace scholars-in-residence, the Intercollegiate Peace Fellowship and the peace library collection.

Career and postgraduate opportunities

Students are prepared to enter graduate programs in conflict transformation studies or in peace and justice studies – and any other field of scholarship in which critical and creative analysis of difficult issues is a priority. They are also prepared to work in a wide variety of organizations engaged in work around themes of mission, peace, restorative justice, conflict transformation, social justice, and other forms of service. Professional students electing the minor or professional endorsement in conflict transformation studies will be prepared to assist individuals, organizations and communities to deal constructively with conflict in the work environment.

Major in peace, justice and conflict studies

41-44 credit hours

- Bibl 321, Biblical Themes of Peace 3
- PJCS 311, Junior Seminar 3
- PJCS 313, Violence and Nonviolence..... 3
- PJCS 325, Mediation: Process, Skills and Theory 4
- PJCS 409, Internship 1-4
- PJCS 411, Senior Seminar 3
- PJCS 425, War and Peace in the Modern World 3
- One of the following:..... 3
 Econ 203, Principles of Microeconomics
 Hist 255, History of Global Poverty
- One of the following:..... 3
 PJCS 322, Religion, Conflict and Peace
 PJCS 426, Conflict in Groups
- One of the following: 3
 PoSc 200, Introduction to Political Science
 PoSc 308, International Politics
- One of the following:..... 3
 Phil 302, Ethics and Morality
 PJCS 312, War, Peace and Nonresistance
 Rel 316, Liberation Theologies
- One of the following:..... 3
 PJCS 347, Justice/Restorative Justice
 PJCS 350, Dynamics and Theology of Reconciliation
- One of the following:..... 3
 PoSc 210, Introduction to Public Policy
 Soc 322, Social Policy and Programs
 Soc 391, Methods of Social Research
- Any PJCS elective or other peace-related course approved by the adviser 3

Planning guide

SST Recommended: sophomore year, any summer, spring term junior year or fall term senior year

First year General education
 SST language
 Transforming Conflict and Violence (recommended but not required)
 Principles of Microeconomics or History of Global Poverty

Second year General education
 Expository Writing (strongly recommended)
 Violence and Nonviolence
 War, Peace and Nonresistance
 Mediation: Process, Skills and Theory
 Political Science or International Politics

Third year General education
 Junior Seminar
 Introduction to Public Policy, Social Policy and Programs or
 Methods of Social Research
 Three additional courses required for PJCS major

Academic departments and courses : Peace, justice and conflict studies (PJCS)

Fourth year Balance of general education
Remaining courses required for PJCS major
Senior Seminar

Minor in conflict transformation studies

20 credit hours

- PJCS 210, Transforming Conflict and Violence 3
- PJCS 313, Violence and Nonviolence..... 3
- PJCS 325, Mediation: Process, Skills and Theory 4
- One of the following:..... 3
 - PJCS 347, Justice/Restorative Justice
 - PJCS 350, Dynamics and Theology of Reconciliation
- PJCS 410, Senior Advanced Work 1
- PJCS 426, Conflict in Groups..... 3
- Any PJCS course 3

Minor in peace and justice studies

20 credit hours

- One of the following:..... 3
 - Bibl 321, Biblical Themes of Peace
 - PJCS 312, War, Peace and Nonresistance
 - PJCS 332, Religion, Conflict and Peace
- PJCS 311, Junior Seminar 3
- PJCS 313, Violence and Nonviolence..... 3
- PJCS 325, Mediation:Process, Skills and Theory 4
- One of the following:..... 3
 - PJCS 350, Dynamics and Theology of Reconciliation
 - PJCS 425, War and Peace in the Modern World
- PJCS 410, Senior Advanced Work 1
- Any PJCS course 3

Certificate in conflict transformation for teachers

9 credit hours

This certificate may be added to an elementary, middle school, or secondary education program. For further information, consult with a member of the teacher education faculty. Education students who wish to complete the conflict transformation studies minor at the conclusion of their certificate requirements should declare the minor and consult with a PJCS adviser for further details.

- PJCS 210, Transforming Conflict and Violence 3
- PJCS 325, Mediation: Process, Skills and Theory 3-4
- PJCS 426, Conflict in Groups..... 3

PJCS courses

PJCS 209 Field Experience 1 (1-4)

An approved, supervised internship related to peace, justice and conflict studies work.

PJCS 210 Transforming Conflict and Violence 3

Explores the potentially constructive nature of conflict, the destructive nature of violence and the relationship between the two. Examines various patterns of communication, conflict and violence and what is needed for transformation. Students will reflect on their own conflict styles, build their skills for peacemaking and examine their personal temptations for violence. Because PJCS 210 introduces concepts developed in greater depth in PJCS 325, this course may not be taken concurrently with or following PJCS 325.

- PJCS 255 History of Global Poverty** 3
 (Cross-listed from Hist 255) Examination of the phenomenon and roots of global poverty in the colonial expansion of Europe, the rise of nationalism in the colonies and post-colonial globalization and development. Emphasis will be placed on viewing this problem and its solution from the perspective of common people in the global south.
- PJCS 305 Prosocial Behavior** 3
 (Cross-listed from Psyc 305) A study of theories and empirical research concerned with positive human interaction. Topics of special focus include altruism, empathy and service from the perspective of both the helper and the recipient. Some attention to applications in education, government and church agencies. Offered alternate years.
- PJCS 310 Issues in PJCS** 3
 Contemporary issues, e.g., militarism, organizational power relationships and conflict transformation, nuclear weaponry, economic sanctions, domestic violence.
- PJCS 311 Junior Seminar** 3
 Junior Seminar has three main purposes: to explore classic and contemporary issues in conflict and peace through faculty- and student-led seminars to develop research and writing skills appropriate for PJCS; and to begin work toward a major research project to be completed in Senior Seminar.
- PJCS 312 War Peace & Nonresistance** 3
 (Cross-listed from PJCS 312) A survey course that examines the development of warfare ideologies and religious responses to warfare. Includes examination of just war theory and Anabaptist-Mennonite stances on nonresistance, pacifism and nonviolent action.
- PJCS 313 Violence and Nonviolence** 3
 An interdisciplinary study of the nature, causes and types of violence. Examines the juxtaposition of scientific theories and religious teachings about violence and nonviolence.
- PJCS 316 Liberation Theologies** 3
 (Cross-listed from Rel 316) Focuses on three contemporary theologies of liberation (Latin American Liberation Theology, North American Black Theology and North American Feminist Theology) as they are developing in the Americas. The course examines similarities and differences among these three theologies - in conversation with Womanist and Latina theologies - as each addresses specific theological questions raised by the people of God in actual contemporary situations of exploration and oppression. The course also has a praxis component in which students move outward into the community.
- PJCS 320 Borderlands** 3
 This course will take place along the U.S./Mexico border. It will examine border dynamics and their impact on politics, economics, migration, the environment, and more. Students will hear many voices, diverse and sometimes contradictory, of people involved in border communities.
- PJCS 325 Mediation:Process, Skills, Theory** 4 (3-4)
 Focuses on the third party role of the mediator. Explores the theoretical basis for mediation, its various applications in North America, and critiques of the appropriateness of mediation for certain types of conflicts. Emphasis will be on experiential learning to develop the skills needed for mediation in formal and informal settings. PJCS majors and minors, as well as Interdisciplinary majors with a PJCS component, will complete one hour of applied experience.
- PJCS 330 Gender in World History** 3
 (Cross-listed from Hist 330) A comparative studies in world history course. Women have been left out of the world's history, particularly women in the nonwestern world who are stereotyped as oppressed and passive. Putting women back into the center of world

Academic departments and courses : Peace, justice and conflict studies (PJCS)

history unsettles older historical paradigms and challenges our ethnocentric assumptions. Explores the diverse experiences of women as active agents in shaping their world through a comparative case-study approach.

PJCS 332 Religion, Conflict and Peace 3

Examines the role of religion in causing and nurturing violence and in promoting peace themes which have emerged as central to the pursuit of peace in the 21st century. The course will also consider implications of these themes for Christian mission.

PJCS 335 History of Ethnic Conflict 3

(Cross-listed from Hist 335) A comparative studies in world history course. The world seems plagued with increasing conflict between ethnic groups. Explores the historical roots of this problem through a comparative case-study approach and takes an inter disciplinary approach both to analysis of the problem and its solution. Students will present an in-depth research paper on the historical roots of one conflict.

PJCS 344 Individual Readings 1 (1-3)

Independent reading in peace, justice, and conflict transformation studies. Student takes initiative to develop plan with a department faculty member. By consent of the faculty member only

PJCS 345 Group Readings 1 (1-2)

Working with selected writings, student will examine the themes and issues raised by an important scholar's whole body of work.

PJCS 347 Justice/Restorative Justice 3

Begins with an account of some of the classic and mainstream understandings of justice and then moves on to an overview of the foundational principles of restorative justice and its various practical applications. The course will examine and address the needs of victims, offenders, communities and broader systems. It will specifically examine the Victim Offender Reconciliation (VORP) model and its role in the North American criminal justice system. It will also examine models from other contexts such as family group conferences and circles.

PJCS 350 Dynamics/Theology of Reconciliation 3

An interdisciplinary examination of the work of reconciliation in interpersonal and small group relationships, but especially in large-scale social and political contexts.

PJCS 355 Contemporary Women's Issues 3

(Cross-listed from WoSt 355) An upper-level topics course that explores selected issues in the lives of contemporary women, such as women's bodies, sexuality and health; mother-daughter relationships; women and war; women and sexual violence; women and economic status in globalizing economies. Professors bring an interdisciplinary perspective to the subject. This course is taught in a cooperative learning environment

PJCS 405 Personal Violence 3

Considers the nature and impact of violence in the lives of individuals or small groups. Topics may include, for example, the death penalty, sexual violence, politically motivated torture or right-to-die issues.

PJCS 406 Spiritual Path of the Peacemaker 3

Uses biographical and autobiographical narratives alongside formal and theoretical writings of peacemakers. Investigates the question, "How does a peacemaker's inner spiritual journey relate to her or his peace work?"

PJCS 409 Senior Internship 3 (1-4)

An approved internship or work experience related to peace, justice, and conflict studies. Examples include supervised activities in shelters for the homeless, work with local, regional, national or international peace, justice and conflict transformation agencies and organizations or work with congregational and denominational peace centers.

PJCS 410 Senior Advanced Work 1
A written project in which seniors with a Peace and Justice minor or a Conflict Transformation minor reflect on the relationship between their academic major and what they learned in their PJCS courses.

PJCS 411 Senior Seminar 3
Students will complete a major research project on a topic of their choosing. Senior Seminar will also address life-after-college issues such as graduate school, resume preparation and job interviews.

PJCS 425 War and Peace in the Modern World 3
Working primarily from an international relations perspective, this course will examine changing patterns of fighting wars and seeking peace.

PJCS 426 Conflict in Groups 3
Using a systems approach, students will explore conflicts in organizations and communities, locating and examining models for assessment, diagnosis, intervention and evaluation. Working with case studies and real life situations of structural injustice and conflict, students will learn practical strategies for dialogue, problem-solving, healing, reconciliation and system change. Prerequisite: PJCS 325.

Physical education

Associate Professors V. Hershberger, J. Lehman (chair)

Assistant Professor S. Wiktorowski

Introduction

The physical education department offers a major, two minors, and a coaching endorsement. Four different tracks are available in the major: general studies, teacher education (with optional health module), sport management, and fitness leadership. Successful completion of the coaching endorsement requirements certifies the student for coaching through the American Sport Education Program. Visit the physical education Web site at www.goshen.edu/physed.

- Major in physical education
- Minor in physical education
- Minor in health
- Coaching endorsement

The physical education department is committed to fostering personal, intellectual, spiritual and social growth in all students within the context of human movement. The department accomplishes this mission through curricular and co-curricular programs. First, a wellness course serves the general education curriculum, offering both the acquisition of wellness knowledge and the development of a personalized wellness plan. Second, a major and a minor in physical education prepare graduates for a variety of careers. Third, elective courses in physical activity provide opportunities for students in any major to develop lifetime sport and exercise skills.

In addition, two co-curricular programs, intramural sports and intercollegiate athletics, provide meaningful and intense opportunities for student growth. These programs have a significant impact in the lives of many Goshen College students who participate as leaders, event staff, athletes and spectators. Additionally, these programs provide numerous occasions each week for members of the campus and larger community to gather in a spirit of recreation.

Career and postgraduate opportunities

Physical education graduates are currently teaching and coaching in public and private elementary, middle and high schools. Successful completion of other programs in this department prepare graduates to work in sport management, retail sales, fitness facilities, athletic programs, municipal recreation, camp settings, boys and girls clubs, and community programs. Some alumni in physical education enter graduate school to obtain an advanced degree.

Major in physical education

53-87 credit hours (Core courses plus one of the tracks below)

Core courses (31 credit hours):

- Biol 154, Human Biology (*with depth credit lab*) 4
- PhEd 102, First Aid and CPR 1
- PhEd 103, Basic Athletic Training 2
- PhEd 250, Introduction to Physical Education 3
- PhEd 310, Sport Management 3
- PhEd 315, Kinesiology 3
- PhEd 317, Exercise Physiology 3
- PhEd 330, Motor Learning 3
- Six sports skills courses (*intercollegiate athletics may count for only 1 credit hour*) 6
- PhEd 410, Senior Seminar 3

General track (24 credit hours)

- PhEd 308, Teaching Sport Skills and Strategies 3
- PhEd 309, Physical Education for Children..... 3
- PhEd 320, Adaptive Physical Activity and Sport 3
- PhEd 345, Theories and Techniques of Coaching 3
- PhEd 400, Exercise Prescription 3
- PhEd 409, Internship 3
- One health-related course 3
- Chem 220, Human Nutrition (*Chem 101 pre-requisite*)
- PhEd 360, Teaching Health Concepts
- PhEd 415, School and Community Health
- Soc 210, Sociology of the Family
- Soc 260, Human Sexuality
- Additional practica (in addition to internship) 3
- PhEd 269, Sports medicine practicum
- PhEd 351, Event management practicum
- PhEd 352, Personal training practicum
- PhEd 353, Group instruction practicum
- PhEd 354, Facility management practicum
- PhEd 420, Health practicum (*pre- or co-requisite required*)

PE teacher education track (PETE) with optional Health module (42 + 14 credit hours)

- PhEd 308, Teaching Sport Skills and Strategies 3
- PhEd 309, Physical Education for Children..... 3
- PhEd 311, Physical Education Teaching Practicum 3
- PhEd 320, Adaptive Physical Activity and Sport 3
- Professional education requirements (*see education department pages*) 30
- Health module 14
- Chem 220, Human Nutrition (*Chem 101 pre-requisite*) (3)
- PhEd 360, Teaching Health Concepts (3)
- PhEd 415, School and Community Health (3)
- PhEd 420, Health Practicum (2)
- Soc 260, Human Sexuality (3)

Sport management track (26 credit hours)

- Acc 201, Principles of Financial Accounting 3
- Bus 315, Principles of Management..... 3
- Bus 316, Principles of Marketing..... 3
- PhEd 345, Theory and Techniques of Coaching..... 3
- PhEd 351, Event Management Practicum 1
- PhEd 354, Facility Management Practicum 1
- PhEd 409, Internship 3
- One course selected from the following 3
- PhEd 308, Teaching Sport Skills and Strategies
- PhEd 309, Physical Education for Children
- PhEd 320, Adaptive Physical Activity and Sport
- Two courses selected from the following 6
- Acc 202, Principles of Managerial Accounting
- Bus 121, Introduction to Entrepreneurship
- Bus 306, Human Resource Management
- Bus 319, Leading Non-Profit Organizations
- Bus 322, Organizational Communication
- Bus 336, Advertising

Academic departments and courses : Physical education

Bus 360, Java Junction Management
Psyc 200, Social Psychology

Fitness leadership track (22 credit hours)

- Chem 220, Human Nutrition (*Chem 101 pre-requisite*)..... 3
- PhEd 242, Weight Training 1
- PhEd 352, Personal Training Practicum 1
- PhEd 353, Group Instruction Practicum 1
- PhEd 354, Facility Management Practicum 1
- PhEd 400, Exercise Prescription 3
- PhEd 409, Internship 3
- One course selected from the following: 3
 - PhEd 308, Teaching Sport Skills and Strategies
 - PhEd 309, Physical Education for Children
 - PhEd 320, Adaptive Physical Activity and Sport
- Two courses selected from the following: 6
 - Bus 121, Introduction to Entrepreneurship
 - PhEd 360, Teaching Health Concepts
 - PhEd 415, School and Community Health
 - Psyc 200, Social Psychology
 - Psyc 210, Developmental Psychology
 - Psyc 221, Human Behavior
 - Soc 210, Sociology of the Family
 - Soc 260, Human Sexuality

Advising notes

Students majoring in Physical Education must take a special lab section of Human Biology for additional human anatomy instruction. It earns one hour of depth credit.

General education for PE teacher education students: PJCS 210, Transforming Conflict and Violence must be taken for the PJCS/PHIL requirement. Biol 154 and Chem 101, Chemistry and Physics of Life, meet the science/math requirement. Also, Educ 309, Educational Psychology meets the general education social science requirement.

Planning guide (PETE track)

SST Must be carefully planned, especially for multi-sport athletes

First year Wellness colloquium
Human Biology (*with special lab section*)
Chemistry and Physics of Life
Introduction to Physical Education
First Aid & CPR
Basic Athletic Training
Sports Skills Electives
Foundations of Education (*May or soph fall*)
General Education

Second year Foundations of Education (*or first year*)
*Motor Learning
Physical Education for Children
*Sport Management
Theory and Techniques of Coaching
*Exercise Physiology
Sports Skills Electives
Exceptional Learners
Educational Psychology (*meets Gen Ed social science requirement*)
General Education

- Third year**
- General education
 - *Teaching Sports Skills and Strategies
 - *Teaching Health Concepts
 - Sports Skills Electives
 - Human Nutrition
 - Human Sexuality
 - Adaptive Physical Activity and Sport (*or second year*)
 - *Kinesiology
 - Secondary Curriculum and Instruction
 - Middle School Curriculum and Instruction

- Fourth year**
- Student teaching in fall (*or 5th year, with Health certification*)
 - Secondary Education Seminar
 - Physical Education Senior Seminar
 - *School and Community Health
 - Health Practicum
 - Balance of major courses
 - Balance of General Education

*Alternate year classes

Minor in physical education

24 credit hours

- Biol 154, Human Biology (*with depth credit*) 4
- PhEd 102, First Aid and CPR 1
- PhEd 103, Basic Athletic Training 2
- PhEd 250, Introduction to Physical Education 3
- PhEd 310, Sport Management 3
- Two courses selected from the following: 6
- PhEd 315, Kinesiology
- PhEd 317, Exercise Physiology
- PhEd 330, Motor Learning
- Sports Skills Classes (*in addition to intercollegiate sports*) 5

Minor in Health

21 credit hours

- Biol 154, Human Biology (*with depth credit*) 4
- Chem 220, Human Nutrition (*Chem 101 pre-requisite*) 3
- PhEd 102, First Aid and CPR 1
- PhEd 103, Basic Athletic Training 2
- PhEd 360, Teaching Health Concepts 3
- PhEd 415, School and Community Health 3
- PhEd 420, Health Practicum 2
- Soc 260, Human Sexuality 3

Advising notes

Biol 154 and Chem 101 meet science general education requirements. Recommended elective courses: PhEd 400, Exercise Physiology and Psyc 200, Social Psychology.

Coaching endorsement

9 credit hours

- PhEd 102, First Aid and CPR 1
- PhEd 103, Basic Athletic Training 2
- PhEd 310, Sport Management 3
- PhEd 345, Theory and Techniques of Coaching 3

Physical Education courses

PHED 100 Wellness	1
Designed to promote wellness in body, mind and spirit. Each participant will gain knowledge that informs decision-making related to mental and spiritual health. Students develop and begin implementing a personalized fitness program. Topics addressed include cardiovascular fitness, muscular endurance and strength, flexibility, body composition, nutrition, stress management, spiritual wellness and lifestyle choices.	
PHED 102 First Aid & CPR	1
The course will provide an Introduction to first aid, practical experience in basic first aid skills, first aid for specific sport inquiries and a practical guide to sport related liability. Successful completion of the course results in certification for one year.	
PHED 103 Basic Athletic Training	2
This course is valuable to anyone who plans to coach or pursue future certification in athletic training. Topics covered include: emergency procedures, evaluation and management of injuries to the foot, ankle, knee, shoulder, elbow and hand. Students learn taping techniques.	
PHED 200 Aerobic Dance	1
Aerobic Dance	
PHED 206 Badminton	1
Badminton	
PHED 210 Canoeing/Backpacking	1
Canoeing/Backpacking	
PHED 214 Cross Country Skiing	1
Cross Country Skiing	
PHED 216 Cycling	1
Cycling	
PHED 218 Golf	1
Golf	
PHED 222 Gymnastics: Tumbling	1
Gymnastics:Tumbling	
PHED 224 International Folk Dance	1
International Folk Dance	
PHED 226 Life Guard Training	2
Prerequisite: Consent of Instructor	
PHED 230 Racquetball	1
Racquetball	
PHED 232 Beginning Swimming	1
Beginning Swimming	
PHED 234 Advanced Swimming	1
Advanced Swimming	
PHED 236 Tennis	1
Tennis	
PHED 240 Water Safety Instruction	2
Water Safety Instruction	
PHED 242 Weight Training	1
Weight Training	

PHED 250 Introduction to Physical Education	3
This course provides an introduction to the field of physical education and includes an overview of the history of physical education and sport. The time line begins with early civilization and continues through modern events including the Olympics. Additionally, a variety of philosophical approaches and their implications are discussed.	
PHED 255 Camping and Recreation	3
Students will have hands-on experience in a wilderness setting. They will learn a variety of skills that may include: trip planning, map and compass reading, environmental care and study, spiritual growth and leadership skills. Other skills will be related specifically to either backpacking and/or canoeing.	
PHED 259 Intercolll Softball	1
Open only to members of this intercollegiate sports team.	
PHED 260 Intercolll Baseball	1
Open only to members of this intercollegiate sports team.	
PHED 261 Intercolll Basketball	1
Open only to members of this intercollegiate sports team.	
PHED 262 Intercolll Cross Cntry	1
Open only to members of this intercollegiate sports team.	
PHED 264 Intercollegiate Golf	1
Open only to members of this intercollegiate sports team.	
PHED 265 Intercolll Soccer	1
Open only to members of this intercollegiate sports team.	
PHED 266 Intercolll Tennis	1
Open only to members of this intercollegiate sports team.	
PHED 267 Intercollegiate Track	1
Open only to members of this intercollegiate sports team.	
PHED 268 Intercolll Volleyball	1
Open only to members of this intercollegiate sports team.	
PHED 269 Sports Medicine Practicum	1
For this practicum, the student will work with the Head AthleticTrainer in expanding first aid and CPR proficiencies and will complete basic duties in the training room and with sports teams. The level of responsibility assigned will be individualized based on certifications, knowledge base and experience.	
PHED 308 Teaching Sport Skills & Strategies	3
This is an applied course focusing on fundamental techniques in a variety of sports. Content includes theory, best practice in secondary level pedagogy and skill content. There is a special focus on organization and management for teaching, skill progressions, and common problems/corrections of basic and intermediate-level skills and tactics.	
PHED 309 Physical Education for Children	3 (2-3)
Philosophy, methods and materials for teaching physical education to children. Some practical experience with children included. While this course is open to any student, there is a clear focus on preparing students to teach elementary physical education.	
PHED 310 Sport Management	2
A focus on administrative practices in the areas of legal responsibility, personnel, finance, public relations, equipment, facilities, intramurals and athletics. Sociological and psychological issues related to leadership roles in physical education and sport are included.	

- PHED 311 Physical Educ Teaching Internship 3**
 This course is designed to make sure teacher licensure students have a significant field experience at the elementary and secondary levels by the completion of their programs. If a student plans to complete the education student teaching experience (Educ 405) at the secondary level, this internship should be completed with an elementary school teacher and vice versa. Prerequisite: PEd 308 or 309.
- PHED 315 Kinesiology 3**
 A consideration of the anatomical and mechanical factors contributing to skilled performance in sport. Laws and principles from anatomy and physics that govern the use of the human body, objects and implements in a sport context are applied to the teaching and coaching of sport skills. Prerequisite or concurrent registration: Biol 154 with depth credit.
- PHED 317 Exercise Physiology 3**
 A study of how the human body adjusts during various kinds of exercise. Laboratory equipment will be used when analyzing neuromuscular activity, circulation, respiration and metabolism as it applies to the trained and untrained. Prerequisite: Biol 154 with depth credit or Biol 203.
- PHED 320 Adaptive Physical Activity & Sport 3**
 This course, required for all physical education teacher licensure and general physical education majors, will examine attitudes, methods, techniques, and special considerations important in addressing physical activity needs and interests of children and adolescents with disabilities. Critical aspects of motor development will be studied early in the semester, followed by adaptive programming and leadership of physical activity in inclusive settings. A concurrent field placement will be a required part of the class. This class is an elective for students in the sport management or sport communication concentrations.
- PHED 330 Motor Learning 3**
 This course addresses concepts in the sub-discipline of motor behavior, primarily focusing on motor learning theory and psychological variables in the acquisition of motor skills. In completing this course, students will examine the nature of the learner, the learning process, the skill context, and characteristics of the task to gain information for the design of optimal motor skill learning experiences and practice.
- PHED 345 Theory & Techniques of Coaching 3**
 The course will present an overview of basic theories and coaching applications, including topics such as philosophy, psychology, ethics, practice and game preparation. This course includes preparation for and an opportunity to take the American Sport Education Program certification exam. ASEP certification is required for coaching in Indiana and other state public school systems.
- PHED 351 Event Management Practicum 1**
 Students will work closely with the director and assistance directors of athletics in event management. Most events will be athletic or intramural events, but others occurring in the RFC may be included. Student outcomes are related to scheduling workers for events (including table workers, timers, ball persons, line judges, statisticians, announcers, etc.), supervising and assisting with event set-up and take down, promotion and promotional events, problem solving, and among other things. The student will take leadership and will have to communicate and collaborate with a variety of parties during this practicum. The student is expected to participate as a leader at the event, hosting the guests in an appropriate manner, enforcing policy and overseeing operation so event flows smoothly. Verification of at least 40 hours of satisfactory level work (or above) work must be accumulated in this practical experience along with the completion of all outcomes listed on the syllabus.

- PHED 352 Personal Training Practicum** 1
 In this practicum experience students will work with a certified personal trainer to conduct basic fitness screenings, assessments, develop programs with clients based on their goals and interests. Student will phase into conducting personal training sessions with individual clients under the guidance of the expert. Verification of at least 40 hours of satisfactory level work (or above) must be accumulated in this practical experience along with the completion of all outcomes listed on the syllabus.
- PHED 353 Group Instruction Practicum** 1
 In this practicum experience students will work with a group fitness instructor in leading exercise classes such as aerobic dance, step aerobics, spinning, conditioning, strength and flexibility classes, etc. Student will work with the instructor in leading these classes. Verification of at least 40 hours of satisfactory level work (or above) must be accumulated in this practical experience along with the completion of all outcomes listed on the syllabus.
- PHED 354 Facility Management Practicum** 1
 This practicum focuses on the foundational area of facility design, maintenance and administration. Students will work closely with the director of the Roman-Gingerich Recreation and Fitness Center in management aspects of this facility. Responsibilities for the student will include scheduling of rooms in the facility, communication and customer service activities with clients (community and student), financial transaction, problem-solving, and policy enforcement among others. The outcomes are related to giving leadership and direction at a level above a "front desk" worker. Verification of at least 40 hours of satisfactory level work (or above) must be accumulated in this practical experience along with the completion of all outcomes listed on the syllabus.
- PHED 360 Teaching Health Concepts** 3
 This course will begin with a brief introductory and historical background of health education. The majority of the class will focus on content knowledge development on identified health concepts and the pedagogical aspects of teaching health. Students will be required to develop lesson plans linked to K-12 health standards and will practice specific methods of teaching health in the classroom. There will be an emphasis on making topics engaging and meaningful for students at various developmental levels. Since nutritional and sexuality content will be covered in the health module in other courses, lessons developed in this course will focus on health content related to drug and alcohol education, mental health, the life cycle, health consumer issues and current societal health problems.
- PHED 400 Exercise Prescription** 3
 In this course students will learn how to conduct basic health screenings, risk stratification and practical fitness appraisals for the purpose of developing appropriate fitness programs for individuals. The emphasis will be on working together with a client to assist him/her in the achievement of fitness goals, exercise compliance, and health behavior change. Special exercise considerations, recommendations and contraindications for a variety of populations (overweight/obese, pediatric, elderly, pregnancy, diabetes, etc.) will be examined so students can develop appropriate programs and understand safety concerns. Issues of liability in exercise settings will be addressed.
- PHED 409 Internship** 2 (2-3)
 A practical experience related to the student's interest and ability. Generally occurs in an off-campus setting. For non-teaching majors only.
- PHED 410 Senior Seminar** 3
 An introduction to descriptive and inferential statistics and test analysis in physical education. Research methods in physical education; selection of a research problem, collection of data, basic analysis, written and oral presentation of findings. Course

includes the consideration of professional and ethical issues in physical education. Students will finalize resumes and practice interviewing skills as well. Required for all senior physical education majors.

PHED 415 School and Community Health 3

The predominant focus of this class is on community health and the Coordinated School Health Program (CSHP). Components of this program include basic knowledge development related to community health agencies. The second part of the class focuses on components of CSHP including comprehensive school health education, physical education, school health services, nutrition services, counseling and social services, health school environment, school-site health promotion for staff, and family and community involvement. Students will gain an understanding of how each school unit works to promote health on campus, improve performance scores while reducing school absenteeism and behavior problems. Students will expand understanding and skills which will allow them to link community based organizations and resources with CSHP units.

PHED 420 Health Practicum 2

This practicum experience will involve a placement in a public school providing opportunities for students to work with several different units identified in the Coordinated School Health Program and to practice teaching some health. A faculty supervisor will set up an appropriate placement and provide clear expectations for the student and cooperating teachers/staff. Cooperating staff/teachers in the school will include a health educator and as many of the following as feasible: school nurse, guidance counselor, director of food services, diabetic educator, and person on campus responsible for health/safety. Performances related to facilitation, collaboration, communication and evaluation will be addressed. Prerequisite: PhEd 360 or 415.

Physics and pre-engineering

Professor J. R. Buschert (chair)

Associate Professor P. Meyer Reimer

Introduction

The physics department prepares responsible physicists, engineers and teachers for academic, research and industrial positions. Student involvement in active research within the department fosters an understanding of the philosophical and structural concepts of physics as well as an ability to apply the science itself. The department consciously promotes an active participation in the wider scientific and engineering communities. Visit the physics department Web site at www.goshen.edu/physics.

A major in physics is offered, with two tracks: standard and biophysics. The department also offers a 3-2 pre-engineering program described below. Certification for secondary education in physics or physical sciences is available as well.

- [Major in physics](#)
- [Engineering 3-2 program](#)
- [Secondary education certification](#)

Career and postgraduate opportunities

Upon graduation, the physics major is prepared for graduate study in physics or engineering. Other possibilities include science secondary education or the combination of a physics baccalaureate degree with a master's degree in business administration, as background for a management career in technology and engineering industries. Study of physics also provides the training and experience for careers in biophysics, neurosciences and many careers beyond the standard boundaries of science and engineering.

All Goshen physics majors who have chosen to pursue a graduate degree have been admitted to graduate school. More than 70 percent of the physics majors elect this path. Individual professors at research universities have testified to the excellent preparation received at Goshen College. Recent Goshen graduates have chosen schools such as Purdue University, Princeton University, the University of Notre Dame, Carnegie-Mellon University, Case Western Reserve University, the Pennsylvania State University, and Vanderbilt University.

Biophysics track

Biophysics applies the principles of physics and chemistry and the methods of mathematical analysis and computer modeling to understand how biological systems work on the molecular level. Biophysics offers career opportunities in teaching and research at universities and medical centers or research and development at pharmaceutical, biotechnology, nanotechnology and other biologically-oriented high-tech companies. The biophysics track described below is appropriate preparation for graduate study in biophysics and neuroscience. The department has an ongoing research program studying the fusion of vesicles with membranes, which is a step in neurotransmission.

Engineering 3-2 program

The combination of a liberal arts background and an engineering degree from one of the leading engineering schools in the nation is the optimal education for the modern engineer. In this program the student spends three years at Goshen College and two or two and a half years at the engineering school, receiving a bachelor of arts degree in physics, [chemistry](#) or computer science from Goshen and a bachelor of science degree from the engineering school.

Goshen College has program agreements with University of Notre Dame (South Bend, Ind.), Case School of Engineering of the Case Western Reserve University (Cleveland, Ohio), Washington University (St. Louis, Mo.) and the University of Illinois (Urbana/Champaign). Admission to the engineering school is granted to a student with a 3.0 overall grade point average and at least a 3.0 in science, computer science and mathematics courses, upon recommendation of the engineering adviser.

Transfer to other schools is possible, but must be done on an individual basis. Goshen College will grant the B.A. degree when the student completes the engineering course and the Goshen College requirements.

While at Goshen College, the engineering student is enrolled as a physics, chemistry or computer science major. Studies of science and mathematics to fulfill the requirements of the first two years in the engineering school are undertaken. In addition the student completes the Goshen College general education requirements in communication, religion, humanities and other fields. The Study-Service Term (SST) or alternative is also required.

A large percentage of the Goshen students pursuing this program receive *cum laude* degrees from the engineering school and continue graduate study. Employment opportunities are excellent for graduates from this program.

Teacher education certification

Teacher certification is available for grades 5-12 in two related areas. Courses needed in addition to the standard track physics major are:

Physics – Phys 208, Phys 210

Physical Science - Chem 200, Chem 303, Phys 210

Also required are 30 credits of education courses, including a semester of student teaching. PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the [Teacher Education Handbook](#) for more details about requirements.

Major in physics

50-55 credit hours

Core requirements (32 credit hours)

- Chem 111-112, General Chemistry..... 8
- Math 211-212, Calculus I & II 8
- Phys 101, Research Seminar..... 1
- Phys 203-204, General Physics 8
- Phys 310, Thermodynamics 4
- Phys 410, Senior Seminar..... 3

Standard track (18 credit hours)

- Math 321, Differential Equations 3
- Math 213, Calculus III 4
- Phys 302, Analytical Mechanics 3
- Phys 303, Classical Field Theory 3
- Phys 313, Quantum Theory 3
- Physics electives 2

Biophysics track (23 credit hours)

- Biol 111, Biological Principles I 4
- Biol 301, Genetics 4
- Biol 307, Molecular Cell Biology 4
- Chem 303, Organic Chemistry 4

- Phys 304, Electronics 4
- Phys 314, Statistical Mechanics 3

Planning guide for engineering 3-2 track

First year	General education Calculus I, II, III General Physics Research Seminar Programming I*
Second year	General education General Chemistry Differential Equations Thermodynamics Quantum Theory SST (summer)
Third year	General education Methods of Mathematical Physics* Electronics* Analytical Mechanics Optics and Holography* Classical Field Theory

Planning and advising notes

*Note that the three-year engineering plan above includes some courses required for engineering, but not required for the standard physics major.

Physics department advisers will assist each student in creating a suitable four-year plan. Students should choose SST units freely, anticipating that course schedule adjustments can be made to accommodate the choice. Because of the extensive requirements in mathematics in the physics major, a double major in mathematics or applied mathematics may be undertaken. Many have also obtained double majors in physics and chemistry or physics and biology. Double majors in areas outside of the sciences such as history are encouraged. A number of physicists have pursued minors in music.

Special resources and opportunities

Goshen College offers multiple opportunities for undergraduate research in physics, both during the school year and also during the Maple Scholars program in summer. Working on a research project with a faculty member allows the student to encounter the real world beyond the classroom. Student authors present papers at the annual National Conference on Undergraduate Research and at professional conferences.

The physics department research center is the Turner Laboratory, which has facilities for optical holographic studies of musical instruments, phospholipid bilayer studies in biophysics and X-ray diffraction studies. Theoretical modeling studies are also conducted in the laboratory. Collaborative research is presently underway with the University of Notre Dame and Brigham Young University. These collaborations provide a steady flow of research problems as well as an invaluable contact for both students and faculty. The interaction allows the student to explore further possibilities for education or career, and the experience makes the Goshen student particularly attractive to graduate schools.

There is no explicit internship requirement in physics, but internships have been arranged for interested students. Most students are involved in some form of research. A thesis may be undertaken in consultation with the research faculty adviser. Thesis abstracts are integral parts of graduate and professional school applications.

Cooperative (Co-op) experiences are available for engineering students.

Physics courses

- PHYS 100 The Physical World** 3
 An introduction to physical science for nonmajors. The Manhattan Project is used as a vehicle for the study of physics, engineering, and scientific management. The course is experiential.
- PHYS 101 Research Seminar** 1
 An introduction to the department and to physics and engineering as careers. Presentations by faculty and students of research, introduction to the scientific literature and scientific writing, individual research on a chosen topic.
- PHYS 102 Research Seminar** 1
 An introduction to the department and to physics and engineering as careers. Presentations by faculty and students of research, introduction to the scientific literature and scientific writing, individual research on a chosen topic.
- PHYS 154 Descriptive Astronomy** 3
 An introduction to astronomy including the study of the solar system, stars and stellar development, galaxies and cosmology. Laboratory experience will include astronomical observation and measurement.
- PHYS 203 General Physics** 4
 A calculus and vector treatment of basic physics including mechanics, sound, electricity, magnetism and light. Required of physics majors and recommended for majors in the physical sciences. Lectures and laboratory. Prerequisite or concurrent: Math 211-212. (offered annually)
- PHYS 204 General Physics** 4
 A calculus and vector treatment of basic physics including mechanics, sound, electricity, magnetism and light. Required of physics majors and recommended for majors in the physical sciences. Lectures and laboratory. Prerequisite or concurrent: Math 211-212, Phys 203.
- PHYS 208 Introduction to Research** 2
 An introduction to the techniques and practice of experimental research. Students participate in laboratory work in the Turner Laboratory. Course is considered training for future research in the physics department. Prerequisites: Phys 203-204 or consent of instructor.
- PHYS 210 Modern Physics** 3
 An introduction to the basis of modern physics. Special relativity, experimental origins of the quantum theory, elementary particle physics, and cosmology. Prerequisite: Phys 203-204 or consent of instructor.
- PHYS 240 Physics of Music** 3
 A study of the physics of a variety of musical instruments including the voice, the physical origins of musical scales and temperaments, perception effects in the ear and brain and room acoustics. Many class sessions will be laboratory experiences and each student will do a major project. Prerequisite: Phys 203 or high school physics, Mus 102 or equivalent ability or consent of instructor.
- PHYS 301 Methods of Mathematical Physics** 3
 Introduction to the mathematical methods used in physics. Complex variables, transformations, vector spaces. Green's Function solution to differential equations and calculus of variations. Prerequisite: Math 213.
- PHYS 302 Analytical Mechanics** 3
 Newtonian Mechanics based on the formulation of Lagrange and Hamilton. Applications

to oscillations, orbital motion, scattering, rigid body motion. Special topics include chaos theory and relativity. Prerequisites: Phys 203-204, Phys 301 or consent of instructor.

PHYS 303 Classical Field Theory 3

Study of electric and magnetic fields using the formulation of Maxwell. Maxwell's equations are developed with reference to experiments followed by selected applications including wave propagation in dispersive media, plasma phenomena, and magnetic and dielectric phenomena. Prerequisites: Phys 203-204, Phys 301 or consent of instructor.

PHYS 304 Electronics 4

Introduction to analog and digital electronics and robotics. The focus is on design and construction of practical circuitry which can be used to build useful devices. After the analog and digital groundwork is laid, students learn to program microcontrollers to interface with a variety of sensors and outputs on mobile robotic platforms. Weekly laboratories culminate in individual projects presented in the biannual electronics show. Lectures and laboratory. Prerequisite: Phys 203-204 or consent of instructor.

PHYS 305 Optics and Holography 4

Electromagnetic theory, geometrical optics, interference and diffraction, and other principles provide the framework for understanding a variety of optical instruments and experiments. Laboratories include various types of interferometry, laser beam filtering and profiling, several types of holography and culminate in individual projects. Lectures and laboratory. Prerequisites: Phys 203-204.

PHYS 310 Thermodynamics 4

A study of classical thermodynamics in the formulation of Gibbs. Thermodynamic potentials, characteristic variables, stability, homogeneous and heterogeneous systems, chemical kinetics are treated. An introduction to statistical mechanics is presented. Applications include studies of material properties and engineering systems. Prerequisites: Phys 203-204; Chem 111-112; Math 212 or consent of instructor.

PHYS 312 Quantum Mechanics 4

Principles of quantum mechanics are discussed beginning with a hydrogen atom and concluding with many atom molecules. The material is examined using the physical evidences that support the theory of quantum mechanics, particularly spectroscopy. The course also discusses symmetry of molecules, theory of NMR and X-ray diffraction. Lectures and laboratory. Prerequisites: Phys 203-204; Chem 111-112; Math 212 or consent of instructor.

PHYS 313 Quantum Theory 3

A study of the quantum theory in the vector formalism of Dirac. Schroedinger and Heisenberg representations are considered. Applications to scattering, atomic physics and magnetism. Prerequisites: Phys 203-204, Math 213 or consent of instructor.

PHYS 314 Statistical Mechanics 3

A study of the statistical treatment of particles including molecules, atoms and electrons. The ensemble theory of Gibbs is developed as the basis. Applications include gases, crystalline solids, magnetic materials and phase transitions. Prerequisite: Math 213 or consent of instructor.

PHYS 410 Senior Seminar 3

An exploration of the relations between the natural sciences and other broad areas with special emphasis on ethical and theological concerns. Discussion, lectures, preparation and presentation of papers. Prerequisite: Senior standing.

PHYS 421 Advanced Topics in Physics 2 (1-3)

Special topics selected by the student in consultation with professor. These may include topics of special interest to the student or research. Academic credit for research or thesis is covered by enrolling in this subject.

Psychology

Associate Professor J. Reese (chair)
 Assistant Professors C. Noria, L. Rohrer

Introduction

The psychology department offers a major, minor and secondary social studies teacher certification.

- Major in psychology
- Minor in psychology
- Secondary teacher-education certification

Visit the psychology department Web site at www.goshen.edu/psych.

Career and postgraduate opportunities

Graduates of the psychology program are currently working in administration, counseling, public-welfare agencies, mental-health centers, institutions for delinquent and emotionally disturbed children, probation services and a variety of additional social and religious agencies. Many complete graduate degrees and engage in research or in professions such as teaching, law, or ministry.

Teacher education certification in social studies

Teacher certification in social studies education is available for grades 5-12. Required are 54 credits in social science, with at least 12 credits each in three areas chosen from economics, historical perspectives, geographical perspectives, government, psychology, or sociology. Other requirements of a Goshen College major in history, psychology or sociology must be met as well. In addition, 30 credits of education courses are required, including a fall semester of student teaching. PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the *Teacher Education Handbook* for more details about requirements.

Major in psychology

40 credit hours

- Psyc 402-403, Statistics and Methods 6
- Psyc 408, Contemporary Viewpoints in Psychology 3
- Psyc 409, Senior Internship 2
- Psyc 410, Senior Seminar in Psychology 2
- Other psychology courses 18
- Related courses in sociology, social work, philosophy, peace studies, anatomy and physiology 9

Planning guide

- First year** General education
 General Psychology
 Principles of Sociology
- Second year** General education
 Social Psychology or Developmental Psychology
 Related courses
 SST
- Third year** General education
 Upper-level courses in major
 Related courses

- Fourth year** Balance of general education
Contemporary Viewpoints in Psychology
Statistics and Methods
Balance of major and related courses
Senior Seminar
Internship

Minor in psychology

18 credit hours

- Five or more credit hours selected from the following: 5
Psyc 308, Personality Theory
Psyc 402, Statistics and Methods in Psychology
Psyc 408, Contemporary Viewpoints in Psychology
Psyc 410, Senior Seminar in Psychology
- 13 credit hours in any psychology courses, at least 7 credit hours upper-level (300 and above) 13

Psychology courses

- PSYC 100 General Psychology** 3
An introduction to the methods, concepts and principles used in the study of behavior. Includes a survey of topics in psychological development, individual differences, memory, personality structure, mental health, learning and social psychology.
- PSYC 200 Social Psychology** 3
A study of the influence of society on the individual and of the individual on society. Involves the study of person-to-person transactions, with emphasis on attitudes and small group structure and process.
- PSYC 210 Developmental Psychology** 3
A study of developmental processes across the life span. Physical, social and cognitive changes provide the basic organization for this course. A variety of developmental theories will be examined including Piaget, Vygotsky, Erickson, social learning and psychodynamic. Current research and an understanding of how to think about developmental processes will be emphasized. Prerequisite: Psyc 100 or consent of instructor.
- PSYC 221 Human Behavior** 3
(Cross-listed from SoWk 221) A study of the individual through the life cycle within the social environment. Focus on physical, psychological, social, cultural and religious factors in the development of the self.
- PSYC 302 Experimental Psychology** 4
A study of the methods and techniques of experimental psychology. Course will include study of selected empirical findings from the areas of learning, memory, intelligence and physiological psychology. Experimental projects constitute a major emphasis of the course. Prerequisite: Psyc 100.
- PSYC 303 Physiological Psychology** 3
An introduction to the physiology of the brain and central nervous system and their effects on psychological processes. Prerequisite: Psyc 100.
- PSYC 305 Prosocial Behavior** 3
A study of theories and empirical research concerned with positive human interaction. Topics of special focus include altruism, empathy and service from the perspective of both the helper and the recipient. Some attention to applications in education, government and church agencies. (Alternate year offering)

- PSYC 306 Abnormal Psychology** 3
A study of the variety of psychological disorders as classified by the DSM system. Issues related to classification will be discussed. A biopsychosocial model will be assumed when discussing etiology and treatment. Since this is primarily a descriptive course, considerable emphasis will be placed on case studies. At the conclusion of the course, students will be well versed in understanding the major psychological disorders.
Prerequisite: Psyc 100.
- PSYC 307 Industrial/Organizational Psychology** 3
A study of the application of psychological principles to industry and organizations. Topics include employee selection, motivation, job satisfaction, workplace violence, stress, organizational climate, organizational effectiveness and leadership. Emphasis will be on applied issues. Designed for both psychology majors and for nonmajors.
Prerequisite: Psyc 100. (Alternate year offering)
- PSYC 308 Personality Theory** 3
A study of theory development with particular focus on major personality theories. The central concepts of each theory, the unique place in contemporary psychological thought and relationship of theory to psychological experimentation and research will be emphasized. Prerequisite: Psyc 100.
- PSYC 309 Educational Psychology:Secondary** 3
(Cross-listed from Educ 309) A study of physical, cognitive, psychosocial, emotional, linguistic, moral and identity development birth through adolescence. Includes developmental theories, influence of cultural and social factors on development and school influences on children and adolescents.
- PSYC 310 Educational Psychology:Elementary** 3
(Cross-listed from Educ 310) A study of physical, cognitive, psychosocial, emotional, linguistic, moral and identity development birth through adolescence. Includes developmental theories, influence of cultural and social factors on development and school influences on children and adolescents.
- PSYC 313 Violence and Nonviolence** 3
(Cross-listed from PJCS 313) An interdisciplinary study of the nature, causes and types of violence. Examines the juxtaposition of scientific theories and religious teachings about violence and nonviolence.
- PSYC 314 Psychology of Religion** 3
An exploration of the interaction of psychological dynamics and religious behavior. Includes study of belief systems, faith, behavior change, conversion, life styles, personality and religious persuasion. (Alternate year offering)
- PSYC 316 Introduction to Clinical Psychology** 3
A study of the major issues facing someone entering the professional world of delivering psychological services to others. Critical thinking about the most recent diagnosis and treatment modalities will be emphasized. Other topics include ethics, psychopharmacology, counseling, health psychology, psychobiology and community psychology. Prerequisite: Psyc 100. (Alternate year offering)
- PSYC 317 Leadership Education** 1
A learning experience in leadership that integrates theory and practice. Philosophy and theory of leadership will be integrated with each student's specific campus leadership responsibility. The course is repeatable as the student assumes additional campus leadership. Enrollment is by consent of the instructor.
- PSYC 320 Psychologic Assessment** 3
A study of psychological testing theory, test administration and test interpretation. The course will survey intellectual, aptitude, achievement, interest, personality and

neurological assessment. Students will be given direct experience with tests from each of these categories. Prerequisite: Psyc 100. (Alternate year offering)

PSYC 400 Advanced Projects in Psychology 1 (1-3)
Independent reading or research for psychology majors. Requires extensive reading or research on a topic of the student's choice. Consultation with instructor required.

PSYC 402 Statistics & Research Methods I 4
A study of research methods and data analysis in psychology. Involves research on a specific problem. Prerequisite: senior standing and consent of instructor.

PSYC 403 Statistics & Research Methods II 2
Overview of multivariate statistics. Further analysis of the problem studied in Psyc 402, culminating in a written thesis and oral presentation. Prerequisite: Psyc 402.

PSYC 408 Contemporary Viewpoints in Psyc 3
A study of the research and current status of contemporary psychological issues in the areas of personality, measurement, intelligence, perception, learning, developmental, mental health and psychology of religion. Prerequisites: Psyc 100; minimum of nine additional hours in psychology.

PSYC 409 Senior Internship 2
Internship offers opportunity to observe and participate in a supervised field learning experience in which psychological theories and concepts are employed and issues pertaining to psychology as a career can be addressed. Prerequisites: senior standing; minimum of 12 hours of upper-level psychology or consent of instructor.

PSYC 410 Senior Seminar in Psychology 2
A focus on integrative issues concerning psychology and Christian faith. Questions related to psychology as a profession will also be addressed. Prerequisites: senior standing; minimum of 12 hours of upper-level psychology or consent of instructor.

Sociology, social work and anthropology

Professors R. Birkey, T. Meyers, R. Peterson-Veach, R. Reyes
Associate Professor C. Jarvis, J. M. Liechty (chair), R. Shands Stoltzfus
Assistant Professor D. H. Lind

Introduction

The sociology, social work and anthropology department offers two majors and two minors:

- Major in sociology
- Major in social work
- Minor in sociology/ anthropology
- Minor in social policy

Visit the social work Web site at www.goshen.edu/sowk and the sociology/anthropology Web site at www.goshen.edu/soan.

Career and postgraduate opportunities

The sociology major and sociology/anthropology minor provide a knowledge base and skills in social analysis with a variety of practical applications. The social policy minor is a collaborative cross-disciplinary program for students who want to work for social change within the public sector or nonprofit organizations. In this minor, students will develop understanding of policy making processes, community organizing and social advocacy in relation to their specific area of academic interest as well as some of the specific skills necessary for this work.

Past graduates in sociology have entered positions in high school teaching, foreign and domestic community development and professional and voluntary social services (not requiring professional social work training) with such agencies as Church World Service, Mennonite Central Committee and Peace Corps. The majority of graduates have gone on to attend graduate school or seminary and are presently employed in the Christian ministry, college teaching, community development, law and business, personnel management, public administration, public policy and program evaluation, research, social services, urban planning.

Social work professional program

The purpose of social work is the restoration and enhancement of social functioning through intervention with individuals, families, groups, larger social systems and social welfare policies and programs. The social work program is a four-year generalist program leading to the bachelor of arts degree with a major in social work. Generalist social work practice requires a person-situation approach to problem solving, and the generalist perspective of the Goshen College social work education program provides a broad conceptual framework. The program is accredited by the Council on Social Work Education and has, as its primary objective, the preparation of students for professional social work practice. Students are also prepared for graduate social work education and receive advanced standing in many graduate social work programs.

The social work curriculum is built upon a liberal arts perspective. By its focus on the humanities, physical and social sciences and international experience, this foundation assists students in thinking broadly about individuals, families and groups and the social systems in which they function. Liberal arts education at Goshen College is seen as a moral activity that places a high value on persons and social justice.

Admission to the social work professional program

Social work is a professional program that requires an admission process separate from admission to the college. Students apply for admission to the social work education

program following successful completion of Introduction to Social Work, SoWk 224, taken in the sophomore year. Written applications are accepted after Jan. 1 of each school year. Students transferring into the major in the junior year should apply immediately upon college admission. Admission criteria include academic and personal qualifications with a value orientation necessary for the professional practice of social work. The admission process is directed toward furthering students' personal growth as they explore vocational interests and abilities. Specific information about criteria and process is found in the *Social Work Student Handbook*. This may be obtained from the director of social work education.

Social studies education

Teacher certification in social studies education is available for grades 5-12. Required are 54 credits in social science, with at least 12 credits each in three areas chosen from economics, historical perspectives, geographical perspectives, government, psychology, or sociology. Other requirements of a Goshen College major in history, psychology or sociology must be met as well. In addition, 30 credits of education courses are required, including a fall semester of student teaching. PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the *Teacher Education Handbook* for more details about requirements.

Major in sociology

40 credit hours

Core courses (19 credit hours):

- Soc 200, Principles of Sociology 3
- Soc 310, Social Theory 3
- Soc 334, Race, Class and Ethnic Relations 3
- Soc 391-392, Methods of Social Research 6
- Soc 409, Field Experience in Sociology/Anthropology 3
- Soc 410, Senior Seminar 1

Elective and related courses (21 credit hours):

- Elective courses in sociology, at least 6 credit hours upper level (300 and above) 12
- Econ 203, Principles of Microeconomics 3
- Any history course 3
- Any political science course 3

Planning guide

- First year** General education
Principles of Sociology
Lower level sociology electives
- Second year** Courses in disciplines related to Sociology
Lower level sociology electives
General education courses
SST
- Third year** Methods of Social Research sequence
Race, Class & Ethnic Relations
Social Theory
General education courses
Upper level sociology electives
- Fourth year** Senior Seminar
Upper level sociology electives

Academic departments and courses : Sociology, social work and anthropology

Internship
Balance of general education courses

Major in social work

53 credit hours

- Psyc 306, Abnormal Psychology 3
- Soc 200, Principles of Sociology 3
- Soc 210, Sociology of the Family 3
- Soc 334, Race, Class and Ethnic Relations 3
- Soc 391, Methods of Social Research 3
- SoWk 221, Human Behavior 3
- SoWk 224, Introduction to Social Work 3
- SoWk 321, Social Service Field Experience 3
- SoWk 322, Social Welfare Policy and Program I 4
- SoWk 323, Social Welfare Policy and Program II 3
- SoWk 325, Social Work Practice Theory I 4
- SoWk 409, Field Instruction 10
- SoWk 410, Social Work Senior Seminar 2
- SoWk 425, Social Work Practice Theory II 3
- One of the following courses: 3
 - Soc 301, Community Development
 - Soc 392, Methods of Social Research II
 - SoWk 345, Women's Concerns
 - SoWk 350, Human Services: Child Welfare
 - SoWk 350, Human Services: Services to Families

Planning guide

- First year** General education
Human Biology
Principles of Sociology
General Psychology
Sociology of the Family
- Second year** General education
Human Behavior
Introduction to Social Work
Social Service Field Experience
SST (spring or summer)
Expository Writing (strongly recommended)
- Third year** General education
Social Welfare Policy and Program I, II
Practice Theory I
Methods of Social Research
Race, Class and Ethnic Relations
Abnormal Psychology
Social Work Elective
- Fourth year** Balance of general education
Social Work Practice Theory II
Field Instruction
Senior Seminar

Planning and advising notes

Students declaring a social work major are assigned a social work faculty adviser. Students exploring their interest in social work are invited to talk with the program director. Academic advising, which takes place in the fall and spring semesters each year, aids students in selecting courses in the sequence required for successful

completion of the program. All social work courses must be taken in numbered sequence. If possible, Methods of Social Research should precede Social Work Practice Theory I and economics should precede Social Welfare Policy & Program I. Additional advising appointments are scheduled as part of admission to the program and to field instruction. Students are encouraged to initiate contact with faculty advisers as issues arise, at any time throughout the academic year.

Psyc 100, General Psychology is a pre-requisite for Psyc 306, Abnormal Psychology. Biol 154, Human Biology is strongly recommended for general education science. Courses in human biology, statistics and expository writing are typically required for admission into Master of Social Work (MSW) programs.

Academic requirements

The professional practice of social work requires acquisition of knowledge, specific skills, a firm identification with specified values and ethics and a high degree of social and personal responsibility. Students whose academic work falls below a C in required social work and related courses, or whose personal or professional behavior is inconsistent with the above requirements, may be asked to leave the program. Students who are denied admission or dismissed from the program, and believe relevant policies were unfairly administered, have the right to initiate the Goshen College grievance procedure.

Minor in sociology/anthropology

20 credit hours

- Soc 200, Principles of Sociology 3
- One anthropology course selected from the following: 3
 - Soc 220, Human Origins/Human Nature
 - Soc 230, Cultural Anthropology
- Soc 310, Social Theory 3
- Soc 391, Methods of Social Research 3
- Any courses in sociology 8

Planning and advising notes

The minor in sociology/anthropology is not available to students majoring in social work.

Minor in social policy

18-19 credit hours

Core courses (9-10 credit hours):

- One of the following courses: 3-4
 - SoWk 322, Social Welfare Policy and Program I
 - PoSc 210, Introduction to Public Policy
- One of the following courses: 3
 - Econ 203, Principles of Microeconomics
 - Hist 225, History of Global Poverty
 - Phil 302, Ethics and Morality
 - Psyc 200, Social Psychology
 - Soc 200, Principles of Sociology
 - Soc 230, Cultural Anthropology
- SoWk 321, Social Service Field Experience (or alternate internship).
3

Skills and methodology courses (9 credit hours):

- Three of the following, with no more than two courses from any one department: 9
 - Bus 121, Introduction to Entrepreneurship
 - Bus 215, Entrepreneurial Finance
 - Bus 319, Leading Nonprofit Organizations

Academic departments and courses : Sociology, social work and anthropology

Comm 212, Broadcast Media Production I
Comm 250, Writing for Media
Comm 324, Principles of Public Relations
PJCS 325, Mediation: Process, Skills and Theory
PJCS 426, Conflict in Groups
Soc 301, Community Development
Soc 391, Methods of Social Research

Planning and advising notes

To obtain a minor in social policy, students must consult with their major adviser and submit a proposal of their goals and rationale for their course choices in the minor to the Social Policy Review Committee for approval. At least nine credit hours in this minor must be upper level (300 level and above) courses. After the plan of study is approved and submitted to the registrar, students will continue to be advised for the minor by their major advisers. Double counting will be limited to two courses, i.e., at least 12 hours of the minor must be met through discrete courses that do not count toward a student's major requirements.

In the social policy internship, students will gain practical experience in their specific areas of interest. Most will complete an internship through the existing course, SoWk 321, which combines 40 hours in an agency and policy setting with weekly class sessions. Students may also meet this requirement through existing departmental internship courses, provided they meet the three credit hour requirement. The internship requirement may also be met through an off-campus program, approved by the social policy review committee, such as Indianapolis Peace Institute or the Chicago Center.

Sociology courses

SOC 100 Racial & Cultural Identities-Colloq 3

Designed for the first-year colloquium, this course explores and examines community, individual and personal identity through: reading historical and contemporary texts on race, ethnicity and culture, and identity development; classroom experiences and assignments; and interaction with the local community. The content focuses on the US and its history as the context for exploring the most current understandings of how race, ethnicity, culture, language and privilege shape identity, explores current understandings of individual identity in relation to larger social systems, and explores the interaction of individual identity development with larger cultural and social systems.

SOC 200 Principles of Sociology 3

An introduction to the study of human society through basic sociological concepts and perspectives - culture and social order, social interaction, social stratification, power and organizations. Teaches fundamental skills of behavioral observation and social analysis and discusses topics of current concern.

SOC 205 Introduction to Women's Studies 3

(Cross-listed from WoSt 200) Introduction to major areas of feminist thought (historical and contemporary) that shaped the field of Women's Studies. Course objectives focus on increasing students' understandings of the social systemic factors (i.e., sociological factors) that influence women's lived experience. Readings, small group discussions, and service learning/activism projects enable students to apply feminist theory concerning women and gender in an interdisciplinary context. This course serves as an introductory survey course for women's studies and a topical exploration for sociology.

SOC 207 Introduction to Statistics 3

(Cross-listed from Econ 207) Collection, presentation and analysis of numerical data. Descriptive measures; index numbers; probability, sampling, estimation and hypothesis testing; linear regression and correlation. Prerequisite: a knowledge of algebra.

- SOC 210 Sociology of the Family** 3
Course combines institutional and functional approaches in the study of courtship, mate selection, marriage, family roles and relationships, family disorganization and social trends affecting the family in contemporary society and culture.
- SOC 220 Human Origins/Human Nature** 3
An introductory anthropology class, this course surveys broad sweep of human experience from earliest times, attending especially to the latest archaeological, bio-behavioral, ethnographic, fossil-skeletal, genetic and primate field studies as these help us better to comprehend the nature of being human.
- SOC 230 Cultural Anthropology** 3
Course teaches an anthropological approach to cultural studies at a time when global cultural homogenization is producing increasing conflict around cultural differences. Students gain knowledge and skills for making sense of all culturally conditioned experience - both "ours" and "theirs." Lab component teaches ethnographic skills needed by anyone wishing to relate competently to persons whose linguistic, social and cultural backgrounds differ from one's own.
- SOC 260 Human Sexuality** 3
Biographical, psychological and sociological factors determining sex-role identification and role performance; human reproduction, fertility control and sexual disorders; social and spiritual values in human sexuality; sex discrimination and movements toward sex equality.
- SOC 301 Community Development** 3
Anthropological and sociological perspectives on rural communities, small towns, urban neighborhoods and globally networked associations involved in processes of both intentional and unintended change. Course focuses on community life and development both locally and internationally with special attention to global linkages between the two. Especially designed for environmental studies, PJCS, policy studies, sociology, social work and other majors who expect to work actively with communities and social change organizations toward empowerment of people to find collective and effective solutions to problems of development. Specific foci within the course may vary according to professor's interests and expertise.
- SOC 302 Urban Diversity** 3
Student is exposed to issues affecting the lives of an ethnically and religiously diverse urban populace - racism, sexism, classism - and helped to develop new ways of conceptualizing and interpreting the contemporary urban scene. Reading, research and writing are integrated with the student's first-hand involvement in issues under study. Available through the Chicago Center, Peace House in Indianapolis or WCSC in Washington, D.C.
- SOC 310 Social Theory** 3
A seminar for sociology majors and minors, open to other students with the permission of the instructor. Students will examine the assumptions, purposes, and orientations of sociology by critically engaging selected works by the classical figures of social theory (e.g. Durkheim, Marx, Simmel, Tocqueville, and Weber) as well as writing by contemporary representatives of the classical perspectives. Typically taken junior year. Prerequisites: Soc 200, and 220 or 230.
- SOC 315 Religion in Culture and Society** 3
An analysis of social, cultural and political contexts that affect religious institutions and expressions, and upon which religious beliefs and practice have an influence. This course is taught in alternate years by the Bible, Religion and Philosophy and Sociology-Anthropology departments. When taught by Sociology/Anthropology, the course has a cross-cultural, comparative focus on ritual and belief. Students complete an ethnographic study of a local religious group or phenomenon.

Academic departments and courses : Sociology, social work and anthropology

- SOC 322 Social Policy and Programs** 4
Economic and social justice is used as an organizing framework to study the relationship between major social problems and social welfare policy, programs and services. Included are poverty, health and mental-health care, family problems, racism, sexism and other forms of institutionalized oppression. The political aspects of social welfare policy and the legislative process itself are examined in depth. Prerequisites: Econ 203,204, SoWk 221, 224, 321 or consent of instructor.
- SOC 334 Race, Class & Ethnic Relations** 3
A study of the dynamics of race and ethnic group interaction focusing on minority groups in the U.S. as defined by race, language, culture, religion or national origin. Attention is given to social class, power and majority-group dominance as factors in assimilation and culture-loss or collective self-determination and maintenance of cultural pluralism. Prerequisite: Soc 200 or 230.
- SOC 336 Latin American Societies & Cultures** 3
Current developments are examined within the context of a general survey of Latin-American societies and cultures. The course aims to provide: 1) a basic knowledge of Central and South-American geography and social structure, 2) an acquaintance with alternative ways of interpreting information about and experiential knowledge of Latin-American life, and 3) an opportunity to explore themes of oppression and liberation as these pertain to Latin-American thought and experience.
- SOC 340 African Societies and Cultures** 3
A study of the current development and modernization of the nations and peoples of Sub-Sahara Africa. After brief attention to the geographic, historical and anthropological factors underlying Africa's development, the major focus will be on the current social and political forces that are shaping the developing nations.
- SOC 345 Women's Concerns** 3
(Cross-listed with SoWk 345) This course covers a wide range of issues that are part of contemporary North American women's lives. The place of women in society is approached from the position of social and economic justice. The course: (a) examines and critiques the U.S. American women's movement as an interpersonal and psychological phenomenon; (b) identifies cultural, religious, racial, social, economic and political processes as they affect women's lives; (c) considers women to be persons of worth and value with the right of self-determination ; and (d) assists in understanding, contextually, women's requests for help and appropriate intervention strategies. Class participation and small group discussions are important components of course learning.
- SOC 351 Contemporary Issues:** 3
A seminar providing for in-depth investigation of a current social problem or issue, such as the plight of the cities, male identity, communal societies, social inequality, food and the environment, and Latino families in the U.S. The seminar topic varies from year to year.
- SOC 391 Methods of Social Research** 3
Introduces the principles and methods of quantitative and qualitative research in sociology and social work, including descriptive and inferential statistics. Prerequisites: Junior standing or consent of instructor.
- SOC 392 Methods of Social Research** 3
A research internship, consisting of original research on a specific problem, data analysis and presentation of findings in oral and written-thesis formats. Prerequisites: Soc 391 or consent of instructor.
- SOC 400 Advanced Readings** 1
This independent study provides the opportunity for Sociology majors and minors to pursue more individualized, self-guided study and research in a topic of interest, and strengthen their skills and knowledge in an area of sociology or anthropology where they

have not been able to do course work. Prerequisite: Soc 200, upper level standing, and consent of instructor.

SOC 409 Field Experience in Soc/Anthro 3 (3-6)

An internship that puts sociological-anthropological perspectives and methods into practice in an organizational setting. The internship is designed by the student in consultation with their faculty advisor and supervised by a preceptor in the contracting host organization. Forty hours of internship experience will be expected for each hour of credit earned. Prerequisites: Soc 200, upper level standing, and instructor approval.

SOC 410 Senior Seminar 1

Weekly meetings of sociology majors and faculty for topical discussions such as vocation, career planning, and graduate study; additional emphases to vary by instructor and class members' interests.

Social work courses

SOWK 221 Human Behavior 3

A study of the individual through the life cycle within the social environment. Focus on physical, psychological, social, cultural and religious factors in the development of the self.

SOWK 224 Introduction to Social Work 3

Analysis of the knowledge base, value structure, purpose, nature, history and function of social work practice in various social welfare activities and social workers through observation and guided participation in programs for meeting human need. Students engage in a specific field experience as part of course requirements and must furnish their own transportation.

SOWK 321 Social Service Field Experience 3

Offers sophomore or junior students an initial exposure to social work practice in a social agency. The course focuses on an integrated understanding of the organizational and community context for social work practice and offers the students an opportunity for observing social work practitioners and offering specific services to clients. Classroom activities include discussion of social work related issues and concerns. Prerequisites: SoWk 221, 224 or consent of instructor. Students furnish their own transportation for field placement.

SOWK 322 Social Welfare Policy & Program I 4

Economic and social justice is used as an organizing framework to study the relationship between major social problems and social welfare policy, programs and services. Included are poverty, health and mental-health care, family problems, racism, sexism and other forms of institutionalized oppression. The political aspects of social welfare policy and the legislative process itself are examined in depth. Prerequisites: SoWk 221, 224 or consent of instructor.

SOWK 323 Social Welfare Policy & Program II 3

A critical analysis of social welfare programs and issues of social welfare policy, including philosophical perspectives, the broad issues of organization, cost delivery, impact, effectiveness and alternate strategies. Students develop skills in identifying, evaluating and formulating macro-level approaches to social problems. Prerequisite: SoWk 322 or consent of instructor.

SOWK 325 Social Work Practice Theory I 4

Systems approach to the practice of social work beginning with a model for solving human problems. Emphasizes development of a theoretical base for social work practice and includes a laboratory in which specific behavioral skills are developed through simulation experiences. Prerequisites: SoWk 221, 224, and admission to program.

- SOWK 345 Women's Concerns** 3
This course covers a wide range of issues that are part of contemporary North American women's lives. The place of women in society is approached from the position of social and economic justice. The course: (a) examines and critiques the U.S. American women's movement as an interpersonal and psychological phenomenon; (b) identifies cultural, religious, racial, social, economic and political processes as they affect women's lives; (c) considers women to be persons of worth and value with the right of self-determination ; and (d) assists in understanding, contextually, women's requests for help and appropriate intervention strategies. Class participation and small group discussions are important components of course learning.
- SOWK 350 Human Services:Special Studies** 3
An in-depth seminar on a selected field of service program or policy issue. Several elective topics are offered annually. Present courses are: Child Welfare, Services to Families and Women's Concerns. These courses examine selected cultural, social, psychological and political issues relevant to the involvement and treatment of children, families and women in the social welfare system. Particular emphasis is given to concepts of exploitation and social/economic justice. Other courses may be added.
- SOWK 391 Methods of Social Research** 3
(Cross-listed from Soc 391) The principles and methods of quantitative and qualitative research in sociology and social work, including descriptive and inferential statistics. Prerequisites: Soc 200, 210, 221, SoWk 224.
- SOWK 409 Field Instruction** 10
Integration of knowledge base and the acquisition of social work practice skills through direct practice under a qualified field instructor in a social service agency. Field Instruction must be applied for during the spring of the year preceding enrollment. A driver's license and transportation are required. Usually taken over two semesters; may be taken for 10 credits during the spring semester by approval of program director. Prerequisites: SoWk 323, 325 and consent of program director
- SOWK 410 Social Work Senior Seminar** 2
Taken during the second semester of Field Instruction or concurrent with one semester block field placement. A weekly seminar that offers the integration of learnings from all social work and required related courses. The final exam takes the form of a written paper and oral examination through which students demonstrate their integration of learning and skill competencies.
- SOWK 425 Social Work Practice Theory II** 3
Expansion of learnings from Social Work Practice Theory I and Social Welfare Policy and Program II and application to social work practice with individuals, families and social systems of varying size. This course is taught concurrently with the first semester of field instruction, which provides the opportunity to integrate theory with skill development. Prerequisites: SoWk 323, 325.

Theater

Professor D. L. Caskey (chair)

Assistant Professor M. Milne

Performance Venue Technical Director J. Peters

Introduction

The theater department offers a major with four concentration options, a minor and a secondary education program in theater arts.

- [Major in theater](#)
- [Minor in theater](#)
- [Theater arts education](#)

The theater program at Goshen College has a strong liberal arts emphasis grounded in aesthetic communication and performance theory. Students explore historical, philosophical and artistic movements and the specialized areas of theater design, acting, literature, playwriting, voice and artistic movements. Courses in other academic areas such as art, music, communication, English and foreign languages can augment theater knowledge and skills.

The John S. Umble Center is the home for most theater productions. Two major productions and numerous one-acts are offered during the academic year. Musical theater performances are produced during May term in alternate years. The department also holds a biennial peace playwriting contest and produces the winning play. Visit the theater department Web site at www.goshen.edu/theater.

Career and postgraduate opportunities

Theater graduates have completed internships with major theater companies, and a significant number have attended graduate schools. Graduates are working coast to coast in repertory theaters, touring companies, video production, education, business and Christian ministry.

Theater arts education

A secondary teacher education program is available in theater arts for grades 5-12. Students should elect the theater education concentration described below. The program requires 30 credits of education courses, including a semester of student teaching. PJCS 210 is required for general education. The first education class, Educ 201, should be taken in May term of the first year or fall of the sophomore year. See the education department pages and the [Teacher Education Handbook](#) for more details about requirements.

Major in theater

41-72 credit hours (core and one concentration area)

Core courses (23 credit hours)

- Comm 204, Expository Writing 3
- Comm 240, Communication Research 3
- Thea 200, Theater Practice 2
- Thea 225, Introduction to Theater 3
- Thea 235, The Power of Story 3
- Thea 387, History of Theater 3
- Thea 409, Internship 3
- Thea 410, Senior Seminar 3

Acting/Performance concentration (18 credit hours)

- Thea 245, Aesthetics 3

Academic departments and courses : Theater

- Thea 334, Acting 3
- Thea 338, Directing 3
- Courses selected from the following, at least 3 credit hours upper level (300 and above) 9
 - Engl 306, Major Author: Shakespeare
 - Mus 240, Class Voice
 - Mus 262, 362, Opera Workshop
 - Thea 275, Acting Lessons
 - Thea 320, The Expressive Voice
 - Thea 350, Playwriting
 - Thea 355, Arts in London
 - Thea 388, Themes in Drama
 - Thea 412, Special Project
- At least six semesters participation in theater productions NC

Design/Technical concentration (18 credit hours)

- Thea 245, Aesthetics 3
- Thea 332, Design for Theater 3
- Thea 338, Directing 3
- Courses selected from the following, at least 3 credit hours upper level (300 and above) 9
 - Art 107, Design
 - Art 342, History of Art II
 - Comm 212, Broadcast Media Production I
 - Comm 375, Multimedia Concepts
 - Thea 355, Arts in London
 - Thea 388, Themes in Drama
 - Thea 412, Special Project
- At least six semesters participation in theater productions NC

Theater arts education concentration (49 credit hours)

- Thea 245, Aesthetics 3
- Thea 332, Design for Theater 3
- Thea 334, Acting 3
- Thea 338, Directing 3
- Thea 350, Playwriting 3
- One of the following: 3
 - Thea 388, Themes in Drama
 - Educ 340, Learning Disorders
- Thea 412, Special Project 1
- Secondary education courses 30

Film studies concentration (19 credit hours)

Same as [communication major](#) concentration in film studies, described in the communication section of the catalog.

Generalist concentration (18 credit hours)

- Nine credit hours of any theater courses, with adviser's approval ... 9
- Nine credit hours of upper level (300 and above) theater or related courses, with adviser's approval 9
- At least six semesters participation in theater productions NC

Planning guide

- First year**
- General education
 - Literature and Writing
 - Oral Communication (must be 3-4 credit hours)
 - Introduction to Theater

	Communication Research The Power of Story
Second year	General education Humanities Expository Writing History of Theater Theater Practice Courses in major SST
Third year	General education Theater Practice Upper-level courses in major
Fourth year	Balance of general education Balance of major Senior Seminar Internship

Planning and advising notes

All students majoring in theater are required to take the general education course Comm 202, Oral Communication for 3-4 credit hours. Transfer students must have a minimum of nine hours of theater courses at Goshen College. The Thea 409/Internship should be in the student's area of concentration. A senior recital and a portfolio or its equivalent are required for graduation.

Minor in theater

18 credit hours

- Thea 225, Introduction to Theater 3
- One of the following:..... 3
Thea 387, History of Theater
Thea 388, Themes in Drama
- One of the following:..... 3
Thea 235, The Power of Story
Thea 334, Acting
- Concentration in theater and related courses 9
- At least four semesters participation in theater productions..... NC

Planning and advising notes

Concentration courses are selected in consultation with theater minor adviser. At least eight credit hours in the minor should be upper-level credit (300 and above). At least six credit hours must be taken at Goshen College. Theater minors must take Comm 202 for three credit hours as a general education requirement (not included in the 18 hours for the minor). A faculty-approved and supervised theater recital (or its equivalent) is encouraged, but not required for theater minors.

Theater courses

- THEA 200 Theater Practice** 1 (1-2)
Applied on-campus work in a theater production or other theater activity. A maximum of two hours applicable toward a theater major or minor. Prerequisite: consent of instructor.
- THEA 209 Field Experience** 3 (1-3)
Experiential learning in an off-campus professional setting, for theater majors and minors. The student contracts with a faculty member in regard to goals, performance expectations, supervision, evaluation and course subtitle. The 209 level is intended for first year and sophomore students. Upper level students should enroll in 409. Prerequisite: consent of instructor.

- THEA 225 Introduction to Theater** 3
 This course examines the elements of theater. It will include script analysis of selected plays, acting exercises, scene performance studies, design and production work. A theater lab will be required.
- THEA 235 The Power of Story** 3
 An introduction to performance studies as a mode of inquiry. Concentration on the methods of communicating narrative texts for various audiences. Course activities/ assignments will explore the power and role of story in conternporary culture by analyzing and participating in various storytelling methods. Attention will be paid to the elements of vocal expression. Prerequisite: Comm 202 or Thea 225.
- THEA 245 Aesthetics** 3
 The study of aesthetics focuses on the philosophy of art, the nature of creativity, the work created, the problem of form and style, expression in art, society and ethics and arts and religion. The course includes lectures, primary reading materials and papers.
- THEA 275 Acting Lessons I** 1
 Students may register for private instruction in acting and will develop individualized goals and address personal challenges. The focus is often on audition and scene work. Enrollment is limited with preference given to theater majors and minors. Consent of the department chair and extra fee required.
- THEA 320 The Expressive Voice** 3
 Various spoken materials such as scripts, poetic verse, and narratives are used to explore and develop effective vocal skills to communicate expressive meaning. Breath, resonance, articulation, diction and expressive vocal range are explored over the course of the semester. Prerequisite: Comm 202 or 290 or Thea 225.
- THEA 332 Design for the Theater** 3
 Principles, methods and aesthetics of theater production: design, stagecraft, lighting, costume, sound and make-up. Lab work on current productions. Prerequisite: Thea 225 or Art 107 or consent of instructor.
- THEA 334 Acting** 3
 Fundamental acting skills: movement, voice and character development. An emphasis on Stanislavski's theory of acting and realistic scene work. Scene studies from selected scripts. Prerequisite: Comm 202 or Thea 225 or consent of instructor.
- THEA 338 Directing** 3
 Principles of interpretation, analysis, design, composition and stage movement. The director's craft: play selection, auditions, rehearsals, and production. Lab session under faculty supervision. Prerequisite: Thea 334 or consent of instructor.
- THEA 350 Playwriting** 3 (1-3)
 Students will examine the theory and practice of playwriting. Typically, students write a one-act play as the course requirement. Class will meet regularly as a seminar. Prerequisite: Engl 110 or Engl 210 or consent of instructor.
- THEA 355 Arts in London** 4
 A May term class that encompasses theater, art and music study and experiences in London, England. Class activities include morning lectures, visits to art galleries, attending music and theater performances, and day trips to Coventry, Stratford-upon-Avon, and other locations. Daily writing assignments and a major project required. Offered in alternate years. Extra cost.
- THEA 387 History of Theater** 3
 A study of the forms and conventions of all phases of theater (writing, performance, design, analysis) from classical Greece to the contemporary age. Emphasis on trends in performance. Includes the reading of selected plays.

THEA 388 Themes in Drama 3 (3-4)

A concentrated study of selected themes in drama. Themes might include a major playwright, advanced acting, musical theater, creative drama, improvisational or ensemble acting, religious drama or theater and multiculturalism. Prerequisite: Thea 225 or 235 or Engl 110, or 204 or 210 or consent of instructor.

THEA 409 Internship 3 (1-3)

An off-campus internship in a professional or non-profit setting for theater majors and minors. The student contracts with a faculty member in regard to goals, performance expectations, supervision, evaluation and course subtitle. Prerequisite: consent of instructor.

THEA 410 Senior Seminar 3

A consideration of ethical and professional issues in contemporary communication and theater. Information interviews with practitioners in communication and theater. Writing of resumes. Creation of a portfolio. Required of all theater majors.

THEA 412 Special Project 1 (1-3)

Students may conduct research of particular interest or pursue specialized applied projects in theater under faculty supervision. Can be used as credit for senior theater recital. Prerequisite: consent of instructor.

Women's studies

Professors B. Martin Birky (director), R. Birkey, J. Brant, K. Graber Miller, A. Hostetler, J. B. Shetler

Associate Professors C. Jarvis, J. M. Liechty, R. Shands Stoltzfus

Introduction

The women's studies program offers one flexible, interdisciplinary minor:

- [Minor in women's studies](#)

The women's studies minor can be combined with any major or incorporated into an interdisciplinary studies major. Visit the women's studies program Web site at www.goshen.edu/wost.

Within the community of faith and learning at Goshen College, the women's studies program examines women's experience in a gendered and global society. Courses foster the study and cultivation of feminist scholarship and practice in students' personal and professional preparation. This interdisciplinary program draws on courses from a variety of disciplines and women's resources in the campus community in addition to a core of courses offered by the women's studies program. Courses listed or cross-listed in this program meet the following criteria:

- Critically examine cultural assumptions about gender as well as race and class.
- Explore the production of knowledge in disciplines that reflect on women's lived experiences.
- Identify and analyze the many systems that shape women's lives and choices.
- Examine feminist genres, research methods, structures, analytical tools, aesthetics, criticism, contemporary issues and pedagogy.

Minor in women's studies

18 credit hours

- Any WoSt or cross-listed courses, selected in consultation with adviser 18

Planning and advising notes

WoSt 200, Introduction to Women's Studies is strongly recommended for all students selecting this minor.

Women's studies courses

WOST 200 Introduction to Women's Studies 3

Introduction to major areas of feminist thought (historical and contemporary) that shaped the field of Women's Studies. Course objectives focus on increasing students' understandings of the social systemic factors (i.e., sociological factors) that influence women's lived experience. Readings, small group discussions, and service learning/activism projects enable students to apply feminist theory concerning women and gender in an interdisciplinary context. This course serves as an introductory survey course for women's studies and a topical exploration for sociology.

WOST 207 Women in Literature 3

(Cross-listed from Engl 207/307) Topics and issues in women's literature. Recent courses include Women and Nature, Feminist Literacy Theory, and Gender and the Literary Canon.

- WOST 210 Sociology of the Family** 3
(Cross-listed from Soc 210) The course combines institutional and functional approaches in the study of courtship, mate selection, marriage, family roles and relationships, family disorganization and social trends affecting the family in contemporary society and culture.
- WOST 221 Human Behavior** 3
(Cross-listed from SoWk 221) A study of the individual through the life cycle within the social environment. Focus on physical, psychological, social, cultural and religious factors in the development of the self.
- WOST 275 Women in Text and Image** 3
(Cross-listed from Wost 375) A critical analysis of women's representation in social institutions, popular culture, literature, and film. Readings and projects will address definitions of feminism, femininity, woman, as well as gender, power and sexuality, with the objective of helping students critique cultural representations and examine how textual narratives shape their own perceptions of gender, sex, and identity. Individual or collaborative projects take the form of art work, videos, texts (stories, poems, critiques, research) or performances, presented in a seminar format. Recent offerings have focused on gender, race and class in popular media.
- WOST 307 Women in Literature** 3
(Cross-listed from Engl 207/307) Topics and issues in women's literature. Recent courses include Women and Nature, Feminist Literacy Theory, and Gender and the Literary Canon.
- WOST 316 Liberation Theologies** 3
(Cross-listed from Rel 316) Liberation Theologies focuses on three contemporary theologies of liberation (Latin Merican Liberation Theology, North American Black Theology and North American Feminist Theology) as they are developing in the Americas. The course examines similarities and differences among these three theologies - in conversation with Womanist and Latina theologies - as each addresses specific theological questions raised by the people of God in actual contemporary situations of exploration and oppression. The course also has a praxis component in which students move outward into the community.
- WOST 322 Social Problems** 4
(Cross-listed from SoWk 322) Economic and social justice is used as an organizing framework to study the relationship between major social problems and social welfare policy, programs and services. Included are poverty, health and mental-health care, family problems, racism, sexism and other forms of institutionalized oppression. The political aspects of social welfare policy and the legislative process itself are examined in depth. Prerequisites: Econ 203, 204, SoWk 221, 224, 321 or consent of instructor.
- WOST 324 Women in the Bible** 3
(Cross-listed from Bibl 324) An examination of the characterization of women in Old and New Testament narratives, their role in biblical societies and the early church and their representation in Judeo-Christian culture, particularly our contemporary culture.. The course draws upon current research and exegetical strategies in biblical studies. Prerequisite: Bibl 100 or 200.
- WOST 325 Topics** 3
Special topics courses in different disciplines that focus on specific issues related to women and/or gender.
- WOST 328 Spiritual Writings of Women** 3
(Cross-listed from Rel 328) A survey of women's writings about the spiritual journey. Includes a range of medieval through 20th-century women. Examines women's use of their experiences as one source of theologizing.

- WOST 330 Gender in World History** 3
 (Cross-listed from Hist 330) A comparative studies in world history course. Women have been left out of the world's history, particularly women in the non-Western world who are stereotyped as oppressed and passive. Putting women back into the center of world history unsettles older historical paradigms and challenges our ethnocentric assumptions. Explores the diverse experiences of women as active agents in shaping their world through a comparative case-study approach.
- WOST 335 Religion and Sexuality** 3
 (Cross-listed from Rel 330) An exploration of the meaning and purpose of human sexuality in the context of Christian (and other) religious faith(s) and in relation to culturally based attitudes. Topics addressed will include body phenomenology, body theology, gender issues, historical developments, sexuality and spirituality, singleness, marriage, friendship, sexual violence, and a variety of other theological, ethical and relational issues. The course draws extensively on feminist models, themes and authors.
- WOST 345 Women's Concerns** 3
 (Cross-listed with SoWk 345) This course covers a wide range of issues that are part of contemporary North American women's lives. The place of women in society is approached from the position of social and economic justice. The course: (a) examines and critiques the U.S. American women's movement as an interpersonal and psychological phenomenon; (b) identifies cultural, religious, racial, social, economic and political processes as they affect women's lives; (c) considers women to be persons of worth and value with the right of self-determination ; and (d) assists in understanding, contextually, women's requests for help and appropriate intervention strategies. Class participation and small group discussions are important components of course learning.
- WOST 355 Contemporary Women's Issues** 3
 An upper-level topics course that explores selected issues in the lives of contemporary women, such as women's bodies, sexuality and health; mother-daughter relationships; women and war; women and sexual violence; women and economic status in globalizing economies. Professors bring an interdisciplinary perspective to the subject. This course is taught in a cooperative learning environment
- WOST 375 Women in Text and Image** 3
 A critical analysis of women's representation in social institutions, popular culture, literature, and film. Readings and projects will address definitions of feminism, femininity, woman, as well as gender, power and sexuality, with the objective of helping students critique cultural representations and examine how textual narratives shape their own perceptions of gender, sex, and identity. Individual or collaborative projects take the form of art work, videos, texts (stories, poems, critiques, research) or performances, presented in a seminar format. Recent offerings have focused on gender, race and class in popular media.
- WOST 400 Advanced Readings** 1 (1-3)
 This independent study provides opportunity for women's studies minors to 1) pursue more individualized, self-guided study and research in a topic of interest, 2) enhance student curriculum in areas where courses are not or cannot be offered due to curriculum limits and 3) strengthen student skills and knowledge in an area of feminist scholarship and/or practice in an area where they have not been able to do course work. A student may take a maximum of three hours credit. Prerequisite: two women's studies classes and program director approval.

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