This catalog is part two of a four-part series. Part one, the application packet, introduces prospective students to life at Bethel, while this catalog relates to the academic programs. Part three, the student handbook, outlines university procedures and expectations of students and describes available support services. Part four, the interim catalog, is issued in October with course descriptions for the January term.

Every student is to be familiar with and will be held responsible for conforming to the expectations contained in “A Covenant for Life Together at Bethel” (see page 9), academic regulations, and campus procedures as stated in these four publications, as well as information published in the Bethel E-Announcements, which are distributed electronically three times per week during the academic year.

It is the official policy and commitment of Bethel University not to discriminate on the basis of race, color, national or ethnic origin, age, gender, or disability in its educational programs, admissions, or employment practices. The president of Bethel University has designated the director of human resources as the compliance officer for the institution. Inquiries regarding compliance may be directed to: The Compliance Officer, Bethel University, 3900 Bethel Drive, St. Paul, MN 55112; phone: 651.638.6119.

Bethel University adheres to the provisions of the federal Family Educational Rights and Privacy Act of 1974. For a copy of Bethel policy, contact the Office of the Registrar.

ACCREDITATION AND MEMBERSHIP
Bethel University is accredited by The Higher Learning Commission and is a member of the North Central Association of Colleges and Schools (30 N. LaSalle St., Suite 2400, Chicago, IL 60602; phone: 312.263.0456). Bethel is also accredited by the Teacher Education Accreditation Council, the Council on Social Work Education (at the undergraduate level), the Commission on Accreditation of Athletic Training Education Programs (CAATE) (at the undergraduate level for the Athletic Training Education Program), and the Commission on Collegiate Nursing Education (at the undergraduate and master’s levels) (One Dupont Circle NW, Suite 530, Washington, D.C. 20036-1120; phone: 202.887.6791). Undergraduate teacher preparation programs leading to licensure for pre-kindergarten, kindergarten, elementary, and secondary teaching, as well as graduate programs leading to licensure in special education and middle school teaching, are approved by the Minnesota Board of Teaching. The nursing program is approved by the Minnesota Board of Nursing. The Department of Chemistry is approved by the American Chemical Society, and programs in the department are certified.

The academic program at Bethel University is enriched by its membership and participation in programs of the Christian College Consortium, the Council for Christian Colleges and Universities, the Upper Midwest Association for Intercultural Education, the Jerusalem University College, and the Au Sable Institute of Environmental Studies.

Information in this catalog is descriptive only and not contractual. All listed courses and programs are current at the time of printing, but are subject to change without notice based on enrollment, faculty availability, and other considerations. Bethel reserves the right to withdraw a course or program or to limit its enrollment.

While Bethel publishes program information and materials and assigns advisors, the student is ultimately responsible to assure that he or she has fulfilled all graduation requirements. Bethel reserves the right to withdraw a previously awarded degree if it subsequently determines that the student did not complete degree requirements.
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The Bethel University catalog is also available on Bethel’s website: cas.bethel.edu/catalog/
# 2009–10 Academic Calendar

## FALL SEMESTER 2009
- Residence halls open (new students) .................. August 27
- Residence halls open, 9 a.m. (returning students) .................. August 28
- Classes begin ............................................. September 1
- Labor Day (no classes) .................................. September 7
- Last day to add a course .................................. September 8
- Last day to withdraw from a course without “W” on records ............................................. September 8
- Homecoming ............................................. September 25-27
- Fall break .................................................. October 9
- Family Weekend ........................................ November 6-8
- Last day to withdraw from a course (first-half classes: Oct. 4; second-half classes: Dec. 4) November 24
- Thanksgiving break begins, 5 p.m. ............... November 25
- Classes resume ........................................... November 30
- Festival of Christmas ................................... December 3-5
- Last day of classes ....................................... December 11
- Study day ................................................. December 16
- Final examinations ........................................ December 14, 15, 17, 18
- Commencement ........................................... December 18
- Residence halls close, noon ............................ December 19

## INTERIM 2010
- Residence halls open, noon ............................ January 4
- Classes begin ............................................. January 5
- Martin Luther King Jr. Day (no classes) ............ January 18
- Last day of classes ........................................ January 27

## SPRING SEMESTER 2010
- Classes begin ............................................. February 1
- Last day to add a course ................................February 8
- Last day to withdraw from a course without “W” on records ............................................. February 8
- Spring Break ............................................. March 15-19
- Residence halls close, noon ............................ March 13
- Residence halls open, noon ............................. March 21
- Spring break ends/Classes resume .................... March 22
- Good Friday (no class) ..................................... April 2
- Monday after Easter (no class) ......................... April 5
- Last day to withdraw from a course (first-half classes: March 12; second-half classes: May 7) May 3
- Last day of classes ........................................ May 14
- Study day .................................................. May 19
- Final examinations ....................................... May 17, 18, 20, 21
- Baccalaureate ............................................... May 21
- Commencement ........................................... May 22
- Residence halls close for:
  - returning students, noon ............................ May 22
  - graduating seniors, 5:00 p.m. ..................... May 23

## SUMMER SCHOOL 2010
- Final registration ........................................ May 21
- Classes begin ............................................. May 26
- Last day of classes* ..................................... June 17

*Evening classes ending dates vary.
Bethel University
Schools

College of Arts & Sciences
The College of Arts & Sciences at Bethel University offers 67 majors within 78 areas of study, including the arts, humanities, business, natural sciences, and social sciences. It is renowned for a highly credentialed faculty dedicated to teaching, integration of faith and learning, and the translation of Christian belief into global service. The college consistently ranks among top Midwestern Universities in the “America’s Best Colleges” issue of *U.S. News & World Report*, and is listed in “Top Colleges for Top Students” in *Peterson’s Competitive Colleges*.

Bethel Seminary
Bethel Seminary is a world-class evangelical seminary offering nine master of arts degrees, a master of divinity degree, a variety of doctor of ministry degrees, and several certificates. Accreditors have praised the seminary’s approach to developing whole and holy Christian leaders through three-part emphases on biblical/theological foundations, transformational leadership, and spiritual and personal formation. With locations in St. Paul, San Diego, and the eastern seaboard, as well as a model distance learning program, Bethel Seminary is breaking new ground in effective ministry training.

(For more information on each school within Bethel University, visit www.bethel.edu.)
BETHEL UNIVERSITY

Bethel University is a leader in Christ-centered higher education with approximately 6,300 students from nearly every state and 29 countries enrolled in undergraduate, graduate, seminary, and adult education programs. Based in St. Paul, Minn., with additional seminary locations on both coasts, Bethel University offers rigorous bachelor’s and advanced degrees in nearly 100 relevant fields. Programs are taught by renowned faculty within a distinctly evangelical Christian framework, equipping women and men for culturally sensitive leadership, scholarship, and service around the world. For further information on Bethel University, go to www.bethel.edu.

College of Adult & Professional Studies

The College of Adult & Professional Studies (CAPS) at Bethel University helps busy adults achieve their educational goals by offering courses taught within a framework of Christian values. CAPS offers six career-relevant bachelor’s degree-completion programs including business management, Christian ministries, communication studies, healthcare leadership, human resource management, nursing (R.N. to B.S.), and organizational leadership. The General Studies program allows students with few or no credits to take the courses they need to enter a degree program or to earn an associate of arts degree. All programs are taught in an accelerated schedule, with courses meeting evenings or weekends at convenient locations in the Twin Cities and greater Minnesota or online.

Graduate School

The Graduate School at Bethel University offers 11 advanced degree programs, as well as education licensures, certificate programs, and professional development seminars. Designed to help adults enhance or redirect their careers, the programs include master’s programs in adult development and aging, business administration (MBA), communication, counseling psychology, education K-12, literacy education, nursing, organizational leadership, special education, and teaching as well as a Doctor of Education in Educational Administration (Ed.D.). The programs are academically rigorous, offered on an accelerated schedule, and taught within a framework of Christian values. Classes are held evenings and/or weekends on the St. Paul campus as well as other convenient locations in the Twin Cities and greater Minnesota or online.
MISSION, VISION, AND VALUES

Boldly informed and motivated by the Christian faith, Bethel University educates and energizes men and women for excellence in leadership, scholarship, and service. Bethel is committed to being a world-class Christian university preparing women and men to serve in strategic capacities to renew minds, live out biblical truth, transform culture, and advance the gospel.

We are Christ-followers – orthodox, conversionist, and evangelical; rooted in the authority of Scripture.

We are character-builders – concerned with personal and spiritual formation and therefore committed to the development of whole and holy persons.

We are truth-seekers – recognizing that all truth has its source in God as revealed in creation and Scripture, and personified in Christ.

We are learners – committed to academic excellence within a community characterized by teaching, scholarship, and service.

We are reconcilers – honoring the worth and dignity of people from all races and purposely seeking to create a community that reflects the diversity of the body of Christ.

We are salt and light – relating to the world and society in culturally relevant ways while being informed by our pietistic denominational heritage and characterized by an irenic spirit.

We are world-changers – driven to prepare graduates who will shape and change the world through exemplary leadership in the church and throughout society.
BECOMING WHOLE AND HOLY PERSONS: A COVENANT FOR LIFE TOGETHER AT BETHEL

Introduction
Bethel University is an educational community committed to integrating evangelical Christian faith with learning and life. As people created in the image of the covenant-making God, we covenant together to discover the mind of Christ and to become like Christ. We pursue this mission as people called by Jesus to live holy lives according to the values, expectations, and goals of the kingdom of God. A crucial part of our mission is to develop whole and holy persons who will go into the world to serve others.

To be whole and holy means to be dedicated to God with purity of thought and action. It means that we are to serve God using the gifts and abilities we have been given. Our community has a special calling to discover, teach, learn, and live what is true. We strive to understand the world in light of the life, death, and resurrection of Christ. This gives us a distinctive worldview, educational mission, and calling.

Our calling includes a commitment to nurture one another. We strive to elevate kingdom values over personal agendas. We attempt to measure every decision and priority in terms of our loving submission to the lordship of Christ and our commitment to one another. Christ's power within us and a clear sense of our calling give us a joyful freedom to do God’s will.

Jesus taught us that right motives and loving relationships are at the core of whole and holy living. His two greatest commands are to love God with all of our hearts, souls, and minds and to love our neighbors as ourselves. These commands connect serving God with serving others.

In grace, Scripture also gives us specific rules to guide us in living. Jesus taught that keeping these rules is an expression of love for God. The Bible condemns legalistic rule-keeping. It emphasizes loving relationships and pure motives in living out these rules.

Living a Biblical Lifestyle
The Bible frequently speaks about a holy lifestyle. Such passages are found throughout the Old and New Testaments. The Bible describes character qualities and actions that should be present in the lives of believers. These include prayer, kindness, humility, compassion, forgiveness, hospitality, personal integrity, generosity to the poor, care for the oppressed, study of God’s Word, accountability to one another, sharing our faith with others, recognition of the rights of others, commitment to justice, regular gathering for worship, and living in harmony.

The Bible also identifies character qualities and actions that should not be present in the lives of believers. For example: destructive anger, malice, rage, sexual immorality, impurity, adultery, evil desires, greed, idolatry, slander, profanity, lying, homosexual behavior, drunkenness, thievery, and dishonesty.

Special Expectations for the Bethel Community
Because of Bethel’s commitment to Christ, our unique calling as an educational community, and our understanding of what it means to live in today’s world, we want to state clearly some of Bethel’s rules and expectations. These are based on:

• our understanding of the Bible and its authority for our faith and life;
• our desire to promote wellness and health in all areas: social, emotional, mental, physical, and spiritual;
• our theological and cultural heritage;
• our understanding of our mission and calling.

We recognize that not all devout Christians share these rules and expectations. However, certain issues are important for our educational mission and our life together at Bethel. They are designed to facilitate our growth, development, and learning as a community.
We view learning and the pursuit of truth as a special calling.
- We commit ourselves to integrity, excellence, consideration of different points of view, and collegiality in all of our academic work.
- We will not tolerate plagiarism and other forms of academic dishonesty.

We believe that life is sacred and people have worth because they are created in God’s image.
- We will value human life in all its diversity and fullness, recognizing that women and men of all races, ages, and ability levels reflect the creative genius of our Maker.
- We view racism and sexism as sinful and reflective of some of the most harmful aspects of our culture. We will abstain from discrimination based on race, ethnicity, gender, age, and disability. We will also abstain from gossip, deliberate divisiveness, and malicious humor.

We believe that our relationships should reflect our connection in the body of Christ.
- We affirm mutual respect and promise keeping in relationships among students, colleagues, teachers and learners, spouses, and friends.
- We grieve the hurt and destructiveness of broken relationships, especially those involving divorce and abuse. We will strive to be a community where healing occurs.

We believe our minds and bodies should be used in God-honoring ways.
- We will promote the health of our bodies, minds, and emotions.
- We will abstain from illicit or nonmedical use of drugs, narcotics, and other substances.
- We will also abstain from use or possession of tobacco in any form.

We view sexuality as one of God’s good gifts.
- We believe that sexual intercourse and other forms of intensely interpersonal sexual activity are reserved for monogamous, heterosexual marriage. We recognize that sexual purity involves right motives as well as right behaviors.
- We prohibit the possession and use of pornographic material. In addition, we condemn sexually exploitive or abusive behavior and sexual harassment in any form.

We value the wise stewardship of resources.
- We believe all human and natural resources are a trust from God. We value work; creative expression; and wise use of time, ability, and money. We believe in wise use of natural resources. We will use them to do God’s work and to benefit God’s creation.
- We prohibit gambling and vandalism. In addition, we reject materialism and harmful exploitation of natural resources.

We believe that maturity calls for us to exercise discretion in our behaviors.
- We believe that God is honored by careful thinking and joyful use of our creativity and imagination. While the media and the arts can be valuable forms of recreation, our commitment to learning calls us to think critically about them and to see them as empowering and liberating ways to understand truth and beauty.
- We believe that certain forms of leisure, entertainment, and recreation are not congruent with holy living. We will make choices that are consistent with our pursuit of holiness in activities such as theatre, dance, and music, or in the use of media and technology such as film, television, radio, and computers.

At times we will need to follow the biblical mandate to sacrifice our individual liberty for the good of the community. When differences arise, we will choose the course that demands greater personal restraint and self-discipline. We will strive to resolve those differences in a gracious and just manner.

Conclusions about Community Life
Community life at Bethel should be marked by mutual encouragement, sensitivity, and consideration for others. This is particularly important when dealing with our differences. One of the special
values of this community is the opportunity to learn from one another, including those within other Christian faith traditions. We celebrate our diversity as well as what we hold in common.

Within committed Christian communities there are diverse views regarding the use of alcohol. Some choose a testimony of abstinence for a variety of legitimate and honorable reasons while others believe they can use alcohol occasionally and moderately without harm to body, spirit, or relationships with others. As a community that honors Holy Spirit-led diversity among Christians, Bethel University employees and students in the Seminary, Graduate School, and College of Adult & Professional Studies are not prohibited from using alcohol in moderation when away from campus and not engaged in official Bethel University activities. Further, employees are expected not to drink alcohol in the presence of Bethel students. Because of the special community nature of the College of Arts & Sciences and the ages of the majority of its students, students in the College of Arts & Sciences will abstain from the use or possession of alcoholic beverages during the school year or while participating in any Bethel-sponsored activity.

Living out the call to whole and holy living is challenging. No one does it perfectly. Community members who struggle to follow Bethel’s lifestyle expectations and who would like help in living within them are encouraged to talk with appropriate Bethel personnel to seek help in changing.

As a community we recognize that worship, fellowship, spiritual nurture, and Christian service are all essential to our growth in holiness. As members of the Bethel community we are expected to participate in these types of activities regularly. Chapel stands out among these opportunities because it is a unifying spiritual experience for our Christian community. All students, faculty members, and administrative leaders are expected to attend chapel regularly. Chapel is a learning experience that is enriched by the diversity of background and worship styles within the community.

As we join the Bethel community we accept these responsibilities and conditions of membership. We agree to live according to this document and other stated expectations as they are applied to us in the student and employee handbooks. If we find ourselves unable to honor these commitments, withdrawal may be in order. We recognize that we have an obligation to hold each other accountable to biblical standards and to the commitments we have made. Appropriate action will be taken to teach, influence, discipline, or even dismiss those who disregard these community expectations. We will strive to have all disciplinary procedures characterized by Christian love and a redemptive spirit.

As we celebrate this covenant calling to whole and holy living, we encourage and challenge each other with these three verses.

Let the peace of Christ rule in your hearts, to which indeed you were called in the one body. And be thankful. Let the word of Christ dwell in you richly; teach and admonish one another in all wisdom; and with gratitude in your hearts sing psalms, hymns, and spiritual songs to God. And whatever you do, in word or deed, do everything in the name of the Lord Jesus, giving thanks to God the Father through Him.

Because of its crucial role in influencing the ethos of the school, this statement of expectations is subject to change only by action of the Board of Trustees. The board holds these standards to be binding for all who voluntarily choose to become a part of the Bethel community.

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1 Matthew 22:37–40
2 John 14:15, 21
3 Micah 6:8; Matthew 23:23–24
4 Examples of such passages are: Exodus 20; Proverbs 6:16-19; Matthew 5–7; Galatians 5:13–25; Ephesians 4:22–5:23; Colossians 3:5–17
5 Colossians 3:5–8; 1 Corinthians 6:9–10. Employees will not practice, advocate, or affirm these and other biblically proscribed behaviors.
6 Exodus 20:15; Romans 13:9; 1 Corinthians 13:5–6; 1 Peter 1:22
7 Genesis 1:27; Ephesians 4:1–7, 15–16; James 2:1–13
8 Romans 12:3–21; 1 Corinthians 12:12–31; Ephesians 4
9 Romans 12:1–2; 1 Corinthians 6:14–15; 1 Timothy 4:8
11 Genesis 1:28–31
12 Romans 14:1–23; 1 Corinthians 6:12, 10:23–24
13 Ephesians 5:18
14 See the Bethel University Student Handbook for information on Bethel’s Non-Disciplinary Policy. College students may find the staff in the Office of Student Life, the Office of Campus Ministries, and the Counseling Center to be particularly helpful. Seminary students may find help in the Office of Student Life. In addition, many faculty are willing and able to assist. Employees may find help from peers, the Office of Human Resources, and administrative staff.
15 Colossians 3:15–17
An Affirmation of Our Faith

1. The Word of God
   We believe that the Bible is the Word of God, fully inspired and without error in the original manuscripts, written under the inspiration of the Holy Spirit, and that it has supreme authority in all matters of faith and conduct.

2. The Trinity
   We believe that there is one living and true God, eternally existing in three persons, that these are equal in every divine perfection, and that they execute distinct but harmonious offices in the work of creation, providence, and redemption.

3. God the Father
   We believe in God, the Father, an infinite, personal spirit, perfect in holiness, wisdom, power, and love. We believe that He concerns Himself mercifully in the affairs of each person, that He hears and answers prayer, and that He saves from sin and death all who come to Him through Jesus Christ.

4. Jesus Christ
   We believe in Jesus Christ, God’s only begotten Son, conceived by the Holy Spirit. We believe in His virgin birth, sinless life, miracles, and teachings. We believe in His substitutionary atoning death, bodily resurrection, ascension into heaven, perpetual intercession for His people, and personal visible return to earth.

5. The Holy Spirit
   We believe in the Holy Spirit who came forth from the Father and Son to convict the world of sin, righteousness, and judgment, and to regenerate, sanctify, and empower all who believe in Jesus Christ. We believe that the Holy Spirit indwells every believer in Christ, and that He is an abiding helper, teacher, and guide.

6. Regeneration
   We believe that all people are sinners by nature and by choice and are, therefore, under condemnation. We believe that those who repent of their sins and trust in Jesus Christ as Savior are regenerated by the Holy Spirit.

7. The Church
   We believe in the universal church, a living spiritual body of which Christ is the head and all regenerated persons are members. We believe in the local church, consisting of a company of believers in Jesus Christ, baptized on a credible confession of faith, and associated for worship, work, and fellowship. We believe that God has laid upon the members of the local church the primary task of giving the gospel of Jesus Christ to a lost world.

8. Christian Conduct
   We believe that Christians should live for the glory of God and the well-being of others; that their conduct should be blameless before the world; that they should be faithful stewards of their possessions; and that they should seek to realize for themselves and others the full stature of maturity in Christ.
9. The Ordinances
We believe that the Lord Jesus Christ has committed two ordinances to the local church: baptism and the Lord's Supper. We believe that Christian baptism is the immersion of a believer in water into the name of the triune God. We believe that the Lord's Supper was instituted by Christ for commemoration of His death. We believe that these two ordinances should be observed and administered until the return of the Lord Jesus Christ.

10. Religious Liberty
We believe that every human being has direct relations with God, and is responsible to God alone in all matters of faith; that each church is independent and must be free from interference by any ecclesiastical or political authority; that therefore church and State must be kept separate as having different functions, each fulfilling its duties free from dictation or patronage of the other.

11. Church Cooperation
We believe that local churches can best promote the cause of Jesus Christ by cooperating with one another in a denominational organization. Such an organization, whether a regional or district conference, exists and functions by the will of the churches. Cooperation in a conference is voluntary and may be terminated at any time. Churches may likewise cooperate with interdenominational fellowships on a voluntary basis.

12. The Last Things
We believe in the personal and visible return of the Lord Jesus Christ to earth and the establishment of His kingdom. We believe in the resurrection of the body, the final judgment, the eternal felicity of the righteous, and the endless suffering of the wicked.
The College of Arts & Sciences at Bethel University is a Christian learning community committed to pursue and practice what is true; to excel in its educational programs; to collaborate as partners in learning; to integrate Christian faith into every area of life; and to nurture every person toward Christian maturity in scholarship, leadership, and service.

As a Christian learning community, we honor God by the way we work together at our calling. We rejoice in discovering the character and glory of our Creator as we explore His creation. As people who bear God’s image, we pursue the truth of His revelation. That revelation comes to us in the person of Christ, the wonder and beauty of creation, and the Spirit-directed words of the Bible. But it is not enough to know truth. We are called to live with hope, faith, love, mercy, humility, and justice, which put truth into practice. We believe that Christian faith is relevant to every area of life, the integrative principle for the entire curriculum, and a foundational area of study for all learners.

Our commitment to learning is rooted in a liberal arts approach to gaining skill and knowledge. This leads us to pursue breadth and depth of insight, education in and beyond the classroom, and opportunities on and beyond the campus. In bearing His image, in pursuing and living the truth, we strive for excellence because God’s name and character are excellent.

The nature of community reminds us that we are not alone. We are likely to achieve more together than we could in isolation. We acknowledge only one true Master, and as we strive together to bring all of life under His lordship, we respect each other as partners and friends in learning. Thus, learning becomes an act of worship, and community worship becomes part of learning. As members of this community, we join to spur each other on toward Christian maturity.
CURRICULAR PHILOSOPHY AND GOALS
Bethel’s curriculum is designed to help students develop the skills and insights to live successfully and to serve Christ effectively in the world that awaits them after graduation. The curriculum has been designed in response to two guiding questions: What will the world be like in the near future? and What personal capacities and knowledge will Bethel graduates need to cope in this world? The resulting graduation requirements are not a random sampling of academic fields. Instead, they are focused around themes that form a coherent view of the future, with each course designed to help students develop specific skills applicable to many situations in that future. The combined offerings of Bethel’s General Education program and departmental and interdisciplinary majors and minors provide exceptional Christian higher education.

PREPARING TODAY’S CHRISTIANS FOR TOMORROW’S WORLD
The College of Arts & Sciences faculty of Bethel University recently undertook an extensive study and review of the General Education curriculum that had guided students’ academic work since 1985. Faculty affirmed the core goals and vision established by the 1985 curriculum while considering changes appropriate for students of the 21st century. Careful study and extensive discussion led to the new General Education program presented in this catalog.

Movement Toward an Interconnected World
With advances in transportation and communication, our world is becoming smaller. The United States is becoming more diverse in culture, language, and even religion. The church is also changing, with the addition of hundreds of thousands of new Christians worldwide. Today the majority of Christians live outside of North America and Europe. American Christians cannot live in isolation from the people of other cultures. Careers in missions, business, and government demand the ability to think and to work cross-culturally. Students need courses in world citizenship, including the option of living for a time in another culture or subculture. There they can develop the cross-cultural communication skills and the special understanding needed to interact as Christians with all types of people in God’s world.

Living in a High-Tech Society
Science and technology have changed and will continue to change the ways in which we understand and participate in society and culture at large. Because we have moved from a manufacturing society to a service and information society, Christian leaders in all fields need to develop competencies in the sciences and technology. Bethel’s curriculum emphasizes an understanding of these domains of knowledge and their implications for life in contemporary society.

Increased Need for Skilled Communication
The impersonal nature of new technologies and the increasing alienation in contemporary society underscore the need for the development of skills in interpersonal relationships. More than ever before, students need to understand themselves and be able to relate in meaningful and productive ways to groups and other individuals. Courses throughout the curriculum, but especially at the freshman and senior levels, address these concerns.

Increased Influence of Western Culture
As the values of Western culture grow to influence much of the world, it is important for Christians to understand the Western tradition. Many of the questions about the nature of the good life, the nature of community, and the ways in which we should relate to God that are now being answered by people all over the world have also been powerfully addressed by men and women in Europe and America. Bethel offers a sequence of courses examining and evaluating the history and the character of the Western tradition as well as the ways in which Christians have interacted with Western culture.
Continued Need for Biblical Perspective
The past, present, and future all demand that Christians be well grounded in the basics of Scripture and in the historic beliefs of the Christian faith. Courses in every discipline turn to biblical perspectives for insight. Courses in biblical and theological studies emphasize themes that unify the Bible as well as solid methods of interpretation that help prepare students to continue to study the Bible profitably and to teach others accurately.

Increased Need for Skilled Persons
No preparation for tomorrow’s world can be complete without the development of certain fundamental personal capacities and skills needed by every professional person, no matter what his or her career:

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<thead>
<tr>
<th>Computing</th>
<th>Integrating</th>
<th>Living healthfully</th>
<th>Reasoning</th>
</tr>
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<tbody>
<tr>
<td>Creating</td>
<td>Investigating</td>
<td>Managing self with others</td>
<td>Speaking</td>
</tr>
<tr>
<td>Empathizing</td>
<td>Learning to learn</td>
<td>Quantifying</td>
<td>Writing</td>
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<tr>
<td>Information processing</td>
<td>Living from values</td>
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</table>

Some of these skills are addressed in a single requirement; instructors include several of them as the explicit goals of every General Education course. A few skills, such as speaking and writing, receive special attention over a sequence of three or four courses. Because these skill areas are in demand by prospective employers—not only for entry-level positions, but also for leadership and upward mobility throughout one’s entire career—and because these are also the traditional results of a broad education in the liberal arts, Bethel’s curriculum provides opportunity for their repeated practice.

Increased Need for Integration
Bethel’s ultimate goal is to produce mature Christians who can influence the peoples of the world as servants of Jesus Christ. The world is changing, and Christians need to live and serve effectively in that world. Every part of Bethel—academic, social, spiritual—focuses on this goal. In a special capstone General Education course, Contemporary Christian Issues, seniors from many major fields join in addressing a single issue of crucial importance to the world. They seek to integrate what they have learned, formulate their own Christian views, and take an informed position on an important issue.
### OPTION 1 FOR GENERAL EDUCATION:

<table>
<thead>
<tr>
<th>FRESHMAN</th>
<th>PERSONAL DEVELOPMENT</th>
<th>BIBLICAL FOUNDATIONS</th>
<th>MATH, SCIENCE, AND TECHNOLOGY</th>
<th>GLOBAL PERSPECTIVES</th>
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<tr>
<td><strong>JUNIOR</strong></td>
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</tr>
<tr>
<td>Physical Well-being (Y)</td>
<td>1 credit</td>
<td>Christian Theology</td>
<td>Mathematics (M)</td>
<td>3 credits</td>
</tr>
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<td>College Writing</td>
<td>3 credits</td>
<td></td>
<td>Laboratory Science (D)</td>
<td>4 credits</td>
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<tr>
<td>Nature of Persons (N)</td>
<td>3 credits</td>
<td></td>
<td>Math, Science, and Society (K)</td>
<td>3 credits</td>
</tr>
<tr>
<td>Introduction to the Creative Arts</td>
<td>4 credits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to the Liberal Arts</td>
<td>1 credit</td>
<td></td>
<td>Scientific Systems (G)</td>
<td>3 credits</td>
</tr>
<tr>
<td>Leisure and Lifetime Sport* (Q)</td>
<td>1 credit</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>SENIOR</strong></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Artistic experience* (A)</td>
<td>0-3 credits</td>
<td>Interpreting Biblical Themes (J)</td>
<td>Science, Technology, and Society (K)</td>
<td>3 credits</td>
</tr>
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</tbody>
</table>

*May be taken during any year of study
### OPTION 2 FOR GENERAL EDUCATION:

#### JUNIOR
- **Artistic Experience* (A)** 0-3 credits
- **Interpreting Biblical Themes (J)** 3 credits
- **Christian Theology** 3 credits

#### SOPHOMORE
- **Leisure and Lifetime Sport* (Q)** 1 credit
- **Physical Well-being (Y)** 1 credit
- **College Writing** 3 credits
- **Nature of Persons (N)** 3 credits
- **Western Humanity in Christian Perspective I-II** 4 credits
- **Introduction to the Bible** 3 credits

#### FRESHMAN
- **Western Humanity in Christian Perspective I-II** 4 credits
- **Introduction to the Liberal Arts** 1 credit

### PERSONAL DEVELOPMENT

### BIBLICAL FOUNDATIONS

### MATH, SCIENCE, AND TECHNOLOGY
- **Laboratory Science (D)** 4 credits
- **Mathematics (M)** 3 credits

### GLOBAL PERSPECTIVES
- **Comparative Systems (G)** 3 credits
- **World Cultures (U)** 3 credits
- **Contemporary Western Life and Thought (L)** 3 credits
- **Second Language (S)** 4 credit

### THE HUMANITIES PROGRAM

#### SENIOR
- **Science, Technology, and Society (K)** 3 credits
- **Comparative Systems (G)** 3 credits
- **Introduction to the Liberal Arts** 3 credits
- **Western Humanity in Christian Perspective I-II** 4 credits

---

* May be taken during any year of study
THE GENERAL EDUCATION PROGRAM

The primary goal of the General Education curriculum is to integrate the Christian faith with all areas of learning and as a foundational area of study for all learners. Our mission further includes the integration of several elements that are often separated in contemporary academia:

- the great fields of learning—humanities, social and natural sciences, the arts, and pre-professional studies—to emphasize the interdependence of knowledge;
- the many aspects of being human as individual persons and members of societies—to seek wholeness in one’s development and maturation;
- Western and non-western cultural perspectives—to communicate both the differences and similarities in their histories and worldviews and the understanding of diversity amid commonality;
- the study of the dominant ideas of many cultures with the firsthand experience of interacting with those cultures—to cultivate empathy and depth of understanding; and
- the perspectives of history with the shaping of the present and near future—to cultivate a sense of an “extended present” with the grasp of the movement of time and the impacts of human choices on the generations that follow.

To enhance such integration, major themes from the previous curriculum have been integrated into four pillars, each of which includes a variety of courses designed to develop specific knowledge, skills, and values. The four pillars of Personal Development; Biblical Foundations; Math, Science, and Technology; and Global Perspectives are complemented by an off-campus cross-cultural experience and a capstone course in contemporary Christian issues.

The four General Education pillars comprise both specific courses that all students take and categories from which students choose courses. General Education courses are arranged in a unified and developmental sequence spread through all four years of study and culminate in a capstone course. Some General Education requirements during the first two years of study may be met by completing one of two options. Students may choose to complete their off-campus cross-cultural experience through a designated course or off-campus program or through an approved non-credit experience at various times during their course of study at Bethel. A limited number of courses can be used to meet both General Education requirements and the requirements for a major or minor. (See list of requirements for each major or minor in the appropriate departmental section of the catalog.)

Course and category names listed below, as well as their descriptions, reflect the requirements of the General Education curriculum. General Education category names are followed by category designator letters (e.g., D, M, N). These same designator letters are used throughout the catalog to identify courses meeting General Education category requirements. The following suffix code is used for General Education categories:

- Artistic Experience (A)
- Laboratory (D)
- Comparative Systems (G)
- Interpreting Biblical Themes (J)
- Science, Technology, and Society (K)
- Contemporary Western Life and Thought (L)
- Mathematics (M)
- Nature of Persons (N)
- Contemporary Christian Issues (P)
- Leisure and Lifetime Sport (Q)
- Second Language (S)
- World Cultures (U)
- Physical Well-being (Y)
- Cross-cultural Experience (Z)
PILLARS OF THE GENERAL EDUCATION CURRICULUM

PERSONAL DEVELOPMENT PILLAR
Facilitates a broad understanding of the richness inherent in humans and their relationships. Orients students to higher education, builds communication skills, enhances creative thought and expression, promotes physical well-being, and increases understanding of human nature. The integration of these facets yields whole and healthy persons.

Introduction to the Liberal Arts
Introduces students to a liberal arts education at Bethel as a foundation for scholarship, leadership, and service in a changing world. Orients students to campus resources related to academics and encourages the development of personal, academic, and relationship skills needed to be a successful college student.

College Writing
Focuses on the knowledge and skills necessary for successful college-level academic research and writing. Emphasizes writing as a process that includes planning/prewriting, drafting, revision, and editing, and affords multiple experiences of the process. Topics include thesis formulation, development, and support; conventions of writing (grammar, usage, and mechanics); ownership of information and creative work (issues of plagiarism, copyright, and ethical management of information); and information literacy competencies. Students are required to perform in-depth research that involves gathering, reading, and evaluating information and to write a formal research paper that synthesizes information from a variety of properly documented sources.

Nature of Persons ∙ Category of Courses (N)
Explores human nature via a person’s relationship to God, others, and the world, and examines how these different aspects of human nature are interconnected. Topics include issues of personal identity and development that are of concern to students as they enter college. Examines the crucial link between personal maturity and the activities of immediate social groups, aiding the student both in establishing a healthy self-identity and cooperating effectively with others. Students consider ways that wholeness contributes to Christian growth and service.

Introduction to the Creative Arts
Introduces the creative arts and highlights their crucial role in human experience. Art forms included each semester are chosen from music, visual arts, theatre, dance, literature, or film. Creative works spanning stylistic, social, and historical contexts are examined in light of such issues as relationships, religion, death/despair, and humor. Students experience and critically interact with creative works and reflect on them from a Christian worldview, with the goal of developing literacy in artistic language as a tool for exploration and aesthetic interpretation and evaluation.

Physical Well-being ∙ Category of Courses (Y)
Addresses a variety of physical aspects of the human person and how they relate to one’s overall well-being and lifelong personal stewardship. Contemporary issues related to physical well-being, such as drugs, alcohol, nutrition, sleep, and exercise, are discussed, as well as the relationship between personal health-related lifestyle choices and responsibility to others. About one-third of each course includes physical activity. Students are encouraged to develop and practice personal strategies for physical well-being through exercise and other means.

Leisure and Lifetime Sport ∙ Category of Courses (Q)
Requires participation in a lifetime/leisure sport intended to expand students’ exposure to movement, enjoyment of physical activity, and stewardship of the body through physical activity. Concentrated time participating in lifetime/leisure sport are required, along with selected readings and exam(s). Topics include understanding of movement and sport rules and strategies.
Artistic Experience - Category of Courses (A)
Students gain hands-on experience with creating/performing (engaging with materials, instruments, creative writing, etc.) that is planned, supervised, and evaluated by a faculty member. An in-studio experience/performance (individual or group) is critiqued in some form. The Artistic Experience may be taken before, during, or after Introduction to the Creative Arts or Western Humanity in Christian Perspective I-II.

BIBLICAL FOUNDATIONS PILLAR
Biblical and theological competence consists of attaining scriptural knowledge, understanding theology based on Scripture, and responding to new situations in an authentically Christian manner. Such competence requires a foundational grasp of the Bible and theology, together with the skills for understanding and interpreting the Bible and Christian faith for new situations.

Introduction to the Bible
Traces the journey of God’s people from Abraham and Sarah through the New Testament church, highlighting the unifying self-disclosure of God in the various cultures and types of writing of the Old and New Testaments. A holistic approach is used to introduce students to both historical and thematic content as well as broad, but basic exegetical principles.

Christian Theology
Investigates central themes of the Christian faith from a primarily systematic perspective. These themes are discussed both individually and in terms of the role each plays in worldview formation. Topics include Scripture (inspiration and inerrancy), God (Trinity), the person and work of Jesus Christ (incarnation and atonement), salvation (justification and sanctification), and last things (heaven and hell). Emphasis is placed on the unity and diversity of theological beliefs within Christianity, both past and present, and on the interrelationships between theological understanding, culture, and discipleship.
Interpreting Biblical Themes · Category of Courses (J)
Investigates a significant biblical theme in a manner that emphasizes the development of exegetical skills, the use of interpretive tools, and the hermeneutical task of moving from the situation(s) and worldviews(s) in which the writings are expressed to those in which the reader makes application. The chosen theme must have contemporary relevance, span both the Old and New Testaments, and be found in at least two literary genres in each testament. Students gain “hands-on” experience in research, interpretation, application, and written communication through the writing of a major exegesis paper.

MATH, SCIENCE, AND TECHNOLOGY PILLAR
Introduces students to the basic concepts, processes, ways of thinking, and applications in math and natural science, and promotes an understanding of central issues related to the impacts of science and technology on society.

Mathematics · Category of Courses (M)
Introduces foundational mathematical concepts and reviews and reinforces quantitative skills. Demonstrates pure mathematics as the foundation for the models in use. Students apply appropriate mathematical models and techniques to real-life quantitative problems in order to develop problem-solving skills. Topics addressed include: (a) proportional thinking with ratios, percentages, and decimals; (b) graphs and tables that illustrate trends, rates of change, slopes, and continuous and discrete data; (c) single variable problems, simple algebraic expressions with one unknown; and (d) elementary data analysis, such as unit and unit conversion, data reliability and meaning, significant figures, and basic probability.

Lab Science · Category of Courses (D)
Introduces the process and concepts of modern science by focusing on one specific discipline. Provides a broad perspective on scientifically acquired knowledge, inductive methods, and experimental procedures. Laboratory forms a central experiential component of each course, and the analytical procedures used there build and reinforce the student’s mathematical competence. Provides a basis for considering implications for Christian stewardship of the natural world.

Science, Technology, and Society · Category of Courses (K)
Addresses the linkage of science and technology with other aspects of contemporary society and the natural environment. Focuses on a technological issue that poses current and emerging choices and which rests on a body of scientific understanding. At least one-third of the course addresses the scientific and technological content, and at least one-third integrates it with contemporary issues. Addresses the means and criteria by which society decides how to use and regulate the technology. Gives attention to historical perspectives, the relevant ethical and theological principles, and the mandates for Christian stewardship in response to future challenges. Applies and reinforces at least one of the topics of the mathematics category description.

GLOBAL PERSPECTIVES PILLAR
Students first explore western traditions and their Christian influences, and build the skills to communicate in a foreign language. They move on to a deeper understanding of modern American and European cultures. This background provides a context for the study of other cultures, and the analysis of selected systems that are based upon these diverse cultures.

Christianity and Western Culture
Seeks to help students understand the key movements that have influenced the lives of people in Europe and North America up through the Enlightenment. Students read with insight and empathy the writings and lives of those who have influenced the course of world societies. Prepares students to appreciate and evaluate the diverse ways in which Christians have interacted with Western culture by shaping, absorbing, and criticizing the culture of the West.
**Second Language · Category of Courses (S)**

Equips students to understand and communicate with people of other cultures at the Novice-High level on the American Council on the Teaching of Foreign Languages (ACTFL) proficiency scale. In the case of ancient languages (Classical Greek, Latin, Hebrew), students are able to use the language to engage the ideas of those cultures. Documented proficiency in languages such as American Sign Language (ASL), Swahili, or other languages not offered at Bethel serve to meet the requirement of this category. Learning experiences are focused on the use of the language for communication purposes within a broader cultural context. Provides opportunities for students to compare, contrast, and analyze their culture with other cultures.

Students may fulfill Bethel’s language requirement by:

1. Completing the second semester of the first year of a (introductory or beginning) college-level language class or higher with a passing grade at Bethel University (e.g., SWE102S Introductory Swedish II).
2. Completing the second semester of a first-year (introductory or beginning) college-level language class or higher with grade of C or higher at another college/university (any language other than English).
3. Earning a score of 3 or better on an Advanced Placement language exam or a score of 50 or better on a language CLEP test.
4. Achieving a passing score on Bethel’s Language Skills Test (LST).

**Contemporary Western Life and Thought · Category of Courses (L)**

The main focus of courses in this category is exploring contemporary American life, culture, and thought within the broad context of Western culture and thought. The courses build on the critical historical events, persons, movements, institutions, and worldviews of the enlightenment that have had phenomenal impact on the direction and evolution of Western life and culture. They address the question, “What does it mean to live in a Western culture in the 21st century, given the influences of the past 200 years?” Courses explore some of the key historical and contemporary persons, events, movements, institutions, and worldviews that have shaped Western culture, with significant emphasis on the United States. While they may be taught primarily from the perspective of one academic discipline, they use readings, materials, and insights from at least three disciplines. Although Contemporary Western Life and Thought courses might explore the European heritage, the core emphasis of the courses is the unique nature of the American experience.

**World Cultures · Category of Courses (U)**

Focuses primarily on one historical or contemporary cultural group whose ways of thinking and living are substantially different than the dominant cultures of Europe and North America. Generally this is an Asian, African, Latin American, Middle Eastern, or Native American culture. The culture’s religious/philosophical traditions, economic and political structures, and sociocultural frameworks are examined, along with the various influences that have acted upon the culture’s history and development. Writings by and about the lives of those who have influenced the course of contemporary cultures and societies are included.

**Comparative Systems · Category of Courses (G)**

Compares and contrasts how societies in their large and small-scale manifestation develop mechanisms and strategies for dealing with numerous fundamental problems those individuals, groups, and institutions have to resolve in order to progressively reproduce themselves. Engages students in the comparative examination of: ideas, themes, processes, structures, institutions, or contemporary social, political, economic, religious, national, or international issues. Focuses on at least two distinctly different units of analysis, regions, or historical epochs. Deliberate attention is paid to the impact on different groups of the subject matter under consideration in a particular social and historical context. Students interact with “voices” (readings, materials, and insights) from the societies, regions, or the historical epoch being studied.
The Humanities Program
Bethel offers two options for completing some of the first- and second-year General Education requirements in the Personal Development, Biblical Foundations, and Global Perspective pillars.

<table>
<thead>
<tr>
<th>Option 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>This option consists of five separate courses, four of which are specific courses while one is a course chosen from a variety of courses within a particular category. (See descriptions of courses under pillars listed above.) Christianity and Western Culture, Introduction to the Creative Arts, and College Writing can be taken in any order. The first two courses, taught by an interdisciplinary team of faculty, introduce students to western cultural heritage and the fine arts. Lectures are supplemented by small group discussions in both classes. Understanding and appreciation of the arts are enhanced through visits to galleries and attendance at concerts and plays. College Writing is designed to introduce students to researching and writing in the college setting. In the second year of courses, Christian Theology undertakes the investigation of basic Christian doctrine. A course from the Contemporary Western Life and Thought category engages students with the history of the past two centuries of Western life and thought so that they have a more complete understanding of how Western culture is related to other global perspectives.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 2: Humanities Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>This integrated, interdisciplinary program examines Western humanity’s attempt to answer the deepest questions in life regarding God, the self, and society. The Humanities courses, Western Humanities in Christian Perspective I-IV, emphasize direct experience with great works of literature, theology, philosophy, art, music, and drama. Lectures provide historical background and a model of expertise by faculty specialists. In addition, significant class time is devoted to small-group seminars, where textual analysis, writing instruction, and discussion can occur. Students examine texts in class and experience works of art in the Twin Cities galleries, theatres, and concert halls. Because the courses in this option build on each other chronologically and thematically, the four courses in this program must be taken in sequence. (See descriptions below.) Note: Students entering Bethel in fall 2009 should be aware that the third and fourth courses in this program (GES245, 246) will not be offered in 2010-11. By completing GES145 and 146, students replace GES125 Introduction to the Creative Arts and GES130 Christianity and Western Culture.</td>
</tr>
</tbody>
</table>

Western Humanity in Christian Perspective I and II
(8-credit course sequence)
The two-course sequence emphasizes the great writings and works of art, music, and theatre from the Greeks through the European Enlightenment. It emphasizes in-depth reading, discussion, and analysis of texts and works of art to teach how Christians have shaped and responded to civilization. Students experience artistic performances or exhibitions in historical context. Likely figures for study include Plato, Augustine, Dante, Michelangelo, Luther, Shakespeare, Mozart, and Austen. Completing both courses replaces the requirements of Christianity and Western Culture and Introduction to the Creative Arts.

Western Humanity in Christian Perspective III and IV
(8-credit course sequence)
The two-course sequence emphasizes the great writings and works of art from the American Founding to the present time. It emphasizes how Christians have shaped and responded to civilization. Likely figures and subjects for study include slave narratives, Lincoln, American jazz, Marx, Bonhoeffer, Flannery O’Connor, and the impressionists. Completing Western Humanity III and IV replaces the requirement for College Writing, Christian Theology, and Contemporary Western Life and Thought.
CROSS-PILLAR CATEGORIES

Cross-cultural Experience - Category of Courses (Z)

Students must have a significant, off-campus, cross-cultural experience. This requirement can be met either by taking a course designated with a Z-tag or by participating in an approved, non-credit experience. Guided pre-experience processing (when possible) and post-experience processing with faculty supervision are essential to accomplishing all outcomes.

Contemporary Christian Issues - Category of Courses (P)

Explores selected topics that challenge Christians to make personal and collective choices in light of their Christian values, education, and personal experience. Emphasizes deeper levels of self-understanding or a sharpened sense of some of the complex issues present in our contemporary society. The primary goals of this capstone course are to cultivate holistic and biblically based views of oneself and the world and to facilitate ethical decision-making when faced with these issues. Students explore alternative Christian worldviews that can define and guide decision-making and/or developing oneself. They examine a theme pertaining to one’s personhood and/or relationship to a facet of contemporary society in order to personalize and integrate varied approaches to that issue as part of the process of formulating a personal ethic.
# BETHEL ACADEMIC PROGRAMS

## Majors

<table>
<thead>
<tr>
<th>Accounting and Finance</th>
<th>International Relations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Physics</td>
<td>Journalism</td>
</tr>
<tr>
<td>Art</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>Mathematics with Education 5-12 Licensure</td>
</tr>
<tr>
<td>Biblical and Theological Studies</td>
<td>Media Communication</td>
</tr>
<tr>
<td>Biochemistry/Molecular Biology</td>
<td>Music</td>
</tr>
<tr>
<td>Biology</td>
<td>Music/Applied Performance</td>
</tr>
<tr>
<td>Business</td>
<td>Music/Sacred Music</td>
</tr>
<tr>
<td>Business and Political Science</td>
<td>Music Education K-12</td>
</tr>
<tr>
<td>Business Education 5-12</td>
<td>Nursing</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Communication Studies</td>
<td>Physical Education K-12</td>
</tr>
<tr>
<td>Communication Arts and Literature</td>
<td>Physics</td>
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<tr>
<td>Education 5-12</td>
<td>Political Science</td>
</tr>
<tr>
<td>Community Health</td>
<td>Psychology</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Reconciliation Studies</td>
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<tr>
<td>Economics</td>
<td>Science Education 5-12: Chemistry Emphasis</td>
</tr>
<tr>
<td>Economics and Finance</td>
<td>Science Education 5-12: Life Science Emphasis</td>
</tr>
<tr>
<td>Elementary Education with Middle Level</td>
<td>Science Education 5-12: Physics Emphasis</td>
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<tr>
<td>Elementary Education with Preprimary</td>
<td>Social Studies Education 5-12</td>
</tr>
<tr>
<td>Engineering Science</td>
<td>Social Work</td>
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<tr>
<td>English Literature</td>
<td>Sociocultural Studies</td>
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<tr>
<td>English Literature and Writing</td>
<td>Spanish</td>
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<tr>
<td>Environmental Science</td>
<td>Spanish Education K-12</td>
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<tr>
<td>Environmental Studies</td>
<td>Teaching English as a Foreign Language (TEFL)</td>
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<td>Exercise Science</td>
<td>Teaching English as a Second Language (TESL) K-12</td>
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<tr>
<td>French</td>
<td>Theatre Arts</td>
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<tr>
<td>French Education K-12</td>
<td>Third World Studies</td>
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<tr>
<td>Health Education 5-12</td>
<td>Visual Arts Education K-12</td>
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<tr>
<td>History</td>
<td>Youth Ministry</td>
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</table>

## Minors

<table>
<thead>
<tr>
<th>Art</th>
<th>Leadership Studies</th>
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<tbody>
<tr>
<td>Asian Studies</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>Athletic Coaching</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Biblical and Theological Studies</td>
<td>Media Communication</td>
</tr>
<tr>
<td>Biblical Greek</td>
<td>Modern World Languages</td>
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<td>Biblical Languages</td>
<td>Music</td>
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<td>Biology</td>
<td>Philosophy</td>
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<td>Business</td>
<td>Physical Education</td>
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<td>Chemistry</td>
<td>Physics</td>
</tr>
<tr>
<td>Classics</td>
<td>Political Science</td>
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<td>Communication Studies</td>
<td>Psychology</td>
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<tr>
<td>Computer Science</td>
<td>Reconciliation Studies</td>
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<tr>
<td>Creative Writing</td>
<td>Religious Studies</td>
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<tr>
<td>Cross-Cultural Mission</td>
<td>Sacred Music</td>
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<tr>
<td>Economics</td>
<td>Social Welfare Studies</td>
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<td>English Literature</td>
<td>Sociocultural Studies</td>
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<tr>
<td>Family Studies</td>
<td>Spanish</td>
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<tr>
<td>Film Studies</td>
<td>Teaching English to Speakers of</td>
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<tr>
<td>French</td>
<td>Other Languages (TESOL)</td>
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<tr>
<td>German</td>
<td>Theatre Arts</td>
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<tr>
<td>Health Education</td>
<td></td>
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<tr>
<td>History</td>
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</table>
AN OVERVIEW OF GRADUATION REQUIREMENTS

Bethel’s total academic program comprises courses in a major field, General Education requirements, and elective courses. Students choose their major from an academic department or multidisciplinary program. They may also choose to develop an individualized major designed to meet their needs and interests. Many students also choose to complete a minor, though Bethel does not require a minor to graduate. In some cases, it is possible to complete more than one major or minor. Students may choose to use their elective credits toward completion of a second major or a minor. Each student is assigned an academic advisor to assist with academic planning and career development.

A minimum of 122 semester credit hours are required to graduate. These credit hours are distributed in the following way:

<table>
<thead>
<tr>
<th>Category</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major</td>
<td>30–60</td>
</tr>
<tr>
<td>General Education</td>
<td>51–52</td>
</tr>
<tr>
<td>Electives</td>
<td>11–41</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>122</strong></td>
</tr>
</tbody>
</table>

Occasionally there are variations to this pattern. Approved majors larger than 60 credits reduce the number of elective credits available. Students may, of course, take more than the minimum of 122 credits required to graduate.
GENERAL REQUIREMENTS FOR A BACCALAUREATE DEGREE
Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Music (B.Mus.), Bachelor of Music Education (B.Mus.Ed.)

1. A cumulative grade point average of 2.00 and a 2.25 grade point average in one’s major, unless otherwise noted. The major GPA includes all courses required in the major and all electives taken for the major.

2. A minimum of 122 semester credit hours. Of these, the following must be taken in programs that meet Bethel residency requirements (see Office of the Registrar or Office of Off-Campus Programs/International Studies):
   • at least 28 of the last 35 credits,
   • at least half of the credits used to meet the requirements of the major,
   • a Contemporary Christian Issues course, and
   • a minimum of three semester credit hours in General Education Bible and theology courses.

3. At least three interim sessions (minimum of 3 credits per interim). Students are strongly encouraged to take an interim course each of their first three years, so as to retain maximum flexibility for completing all requirements in the senior year.

4. A minimum of 51-52 credits of General Education, distributed as indicated on the charts on the following pages.

5. Artistic Experience: One activity in the arts, in addition to the course GES125 Introduction to the Creative Arts. Options are available in music, art, theatre, and the writing of poetry and fiction, including participation in a music performance group or theatrical production. Options for credit are indicated by an $A$ in course numbers. A list of noncredit options is maintained by the registrar.
6. Cross-cultural experience: Students must have a significant, off-campus cross-cultural experience. This requirement can be met by participating in an approved, non-credit experience or by taking a course. Options for credit are indicated by a Z in course numbers.

7. Completion of the requirements of a major (listed by department in this catalog).

8. A minimum of 37 credits at the upper-division level (300 and 400).

9. Demonstration of basic competencies in:
   • Writing: One course is designated in each major, in addition to the required College Writing course and a writing emphasis in Comparative Systems and Contemporary Christian Issues courses.
   • Speaking: One upper-division course is designated in each major, in addition to required speaking assignments in the Nature of Persons and Contemporary Christian Issues courses.
   • Computing: As Bethel faculty increase the applications of computing to regular courses in each major, student knowledge of basic uses in their fields will be required. Elective computer literacy courses and noncredit workshops on general skills are available regularly. Students are encouraged to bring their personal computers with them to campus.

10. Completion of departmental and institutional assessment activities.

11. Upon completion of program, participation in commencement ceremonies is expected.
REQUIREMENTS FOR A BACCALAUREATE DEGREE FOR TRANSFER STUDENTS AND NEW STUDENTS ENTERING BETHEL WITH COLLEGE CREDITS
All students entering Bethel with previously earned credits whether through transfer, examination, PSEO, or a College-in-the-Schools program must complete the following requirements to earn a Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Music (B.Mus.), or Bachelor of Music Education (B.Mus.Ed).

1. A cumulative grade point average (GPA) of 2.00 and a 2.25 grade point average in one’s major, unless otherwise noted. The major GPA includes all courses required in the major and all electives taken for the major.
2. A minimum of 122 semester credit hours. Of these, the following must be taken in programs that meet Bethel’s residency requirements (see Office of the Register or Office of Off-Campus Programs/International Studies):
   • at least 28 of the last 35 credits
   • at least half of the credits used to meet the requirements of the major
   • a Contemporary Christian Issues course
   • a minimum of three semester credit hours in General Education Bible and theology courses
3. Completion of the requirements of a major (listed by department or program in this catalog).
4. A minimum of 37 credits at the upper-division level (300 and 400).
5. Demonstration of basic competencies in:
   • Writing: One course is designed in each major, in addition to the required College Writing course and a writing emphasis in Comparative Systems and Contemporary Christian Issues courses.
   • Speaking: One upper-division course is designated in each major, in addition to required speaking assignments in a Contemporary Christian Issues course.
   • Computing: As Bethel faculty increase the applications of computing to regular courses in each major, student knowledge of basic uses in their fields will be required.
6. Completion of departmental and institutional assessment activities.
7. Upon completion of program, participation in commencement ceremonies is expected.

TRANSFER OF CREDITS TO BETHEL
Students are responsible for ensuring that official transcripts, Advanced Placement, and CLEP results are sent to Bethel from other colleges and universities they have attended. Only courses with a grade of C or better are accepted for transfer.

GENERAL EDUCATION REQUIREMENTS FOR TRANSFER STUDENTS AND NEW STUDENTS ENTERING BETHEL WITH COLLEGE CREDITS
Students are assigned a General Education entry/transfer level based on the number of semester credit hours at the college level they have earned before entering Bethel. General Education entry/transfer levels assigned at the time of entry to Bethel may not be modified thereafter by courses taken at other institutions, unless at least two years have elapsed during which no courses have been taken at Bethel. Students must complete all requirements listed for their General Education entry/transfer level, which are indicated by a “Yes” in the table on the following page. Courses meeting these requirements can be taken at Bethel, or comparable courses may be taken at another institution and transferred to Bethel unless otherwise noted.
The following equivalencies are used for General Education entry/transfer levels:

- **Level 1** = 1-13 semester credit hours completed
- **Level 2** = 14-25 semester credit hours completed
- **Level 3** = 26-43 semester credit hours completed
- **Level 4** = 44-57 semester credit hours completed
- **Level 5** = 58-89 semester credit hours completed
- **Level 6** = 90+ semester credit hours completed

Students should consult the General Education entry/transfer level requirements listed in the table below to determine the requirement for their entry level.

<table>
<thead>
<tr>
<th>General Education Entry/Transfer Level</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal Development Pillar Requirements</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to the Liberal Arts (GES106)</td>
<td>Yes</td>
<td>No*</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>College Writing (GES110)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Nature of Persons (N)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Introduction to the Creative Arts (GES125)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Physical Well-being (Y)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Leisure and Lifetime Sport (Q)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Artistic Experience (A)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Biblical Foundations Pillar Requirements</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to the Bible (BIB101)</td>
<td>Yes</td>
<td>Yes</td>
<td>2 out of 3 (At least one at Bethel)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christian Theology (THE201)</td>
<td>Yes</td>
<td>Yes</td>
<td>2 out of 3 (At least one at Bethel)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interpreting Biblical Themes (J)</td>
<td>Yes</td>
<td>Yes</td>
<td>1 out of 3 (At least one at Bethel)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Math, Science, and Technology Pillar Requirements</strong></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Mathematics (M)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Laboratory Science (D)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Science, Technology, and Society (K)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>Global Perspectives Pillar Requirements</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christianity and Western Culture (GES130)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Contemporary Western Life and Thought (L)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Comparative Systems (G)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>1 out of 3 (At least one at Bethel)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second Language (S) (Course or proficiency equivalent to second semester first-year college-level language course)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Choose 1: G,S,U,or Z</td>
<td></td>
</tr>
<tr>
<td>World Cultures (U)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>Cross-Pillar Integrations Requirements</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cross-cultural Experience (Z)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Contemporary Christian Issues (P) &quot;Capstone course&quot; (Must be taken at Bethel)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Other Requirements</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of interims that must be completed at Bethel</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

* Students with fewer than 26 credits are encouraged to enroll in GES106 Introduction to the Liberal Arts. Students may also choose GES108 Introduction to Life at Bethel as an elective.
REQUIREMENTS FOR THE ASSOCIATE OF ARTS DEGREE

The associate of arts degree contains a balanced program of liberal arts education without orientation to a particular major. Requirements for the degree include 61 semester credit hours and the designated competencies as listed below. These requirements can usually be met in two years of full-time study.

General Education Courses: 35-36 credits

* Introduction to the Liberal Arts
* College Writing or Western Humanity in Christian Perspective I-III
* Introduction to the Bible
* Christianity and Western Culture or Western Humanity in Christian Perspective I and II
  Nature of Persons course (N)
  Mathematics course (M)
  Laboratory Science course (D)
* Introduction to the Creative Arts or Western Humanity in Christian Perspective I and II
  World Cultures course (U)
  Contemporary Western Life and Thought course (prerequisite: Christianity and Western
    Culture or Western Humanity in Christian Perspective I and II) or Western Humanity in
    Christian Perspective III and IV
  Christian Theology (prerequisite: Introduction to the Bible) or Western Humanity in
    Christian Perspective III and IV
  Physical Well-being course (Y)
  Leisure and Lifetime Sports course (Q)

* These are single courses; all others are categories of courses from which students select
  a single course.

Humanities: 5 credits

Choose courses from: humanities, social science, communication studies, natural sciences, or mathematics.

Artistic Experience

Electives: 27 credits

Additional Requirements:
1. A cumulative grade point average of at least 2.00.
2. At least 28 credits taken on campus.
3. One 3-credit interim course.
4. Application for graduation submitted to the Office of the Registrar by the end of the
   second week of spring semester in the year graduating.
5. Participation in commencement ceremonies is expected.
CALENDAR AND STUDENT LOAD
Bethel operates on an early semester calendar with two 15-week semesters and a three-week interim in January.

Student load for fall and spring semesters is 12 to 18 credits for full-time students and fewer than 12 credits for part-time students. Student load for interim is a maximum of five credits. To enroll for more than 18 credits, a student must have a grade point average of at least 3.25 in each of the two preceding semesters, show in a petition the reason(s) for the overload, and receive the approval of the advisor and the registrar. No overloads are permitted during interim.

A minimum of 122 credits is required for graduation. Three interim sessions (with at least three credits in interim) are required.

INTERIM
Interim courses sometimes differ from those taught in the fall and spring semesters. Some are offered at on-site locations away from the campus. An interim catalog is issued annually with complete course descriptions. In addition, a student exchange program with other colleges and universities, the Upper Midwest Association for Intercultural Education (UMAIE), international study courses, and courses at the Au Sable Institute for Environmental Studies are available during January interim sessions.

SUMMER SCHOOL
Bethel conducts a summer school in late May and early June. A summer school bulletin is issued by the Office of Academic Affairs each spring.

CLASS ATTENDANCE
Students are accountable for all required work in each of their courses. They must assume full responsibility for class attendance in a way satisfactory to the instructor and for work missed because of absence. Since class sessions function not merely for individual learning but also for group interaction, absences can become a serious problem both for the individual and for the group.

PREREQUISITES
Course prerequisites are listed with each course description. In some instances the prerequisite may be waived by consent of the instructor.

CHANGES IN REGISTRATION
A new course may not be added after the sixth day of classes (excluding weekends) without consent of the registrar. See regulations for dropping a course after the first week of classes under “Grading System” on the following page.
## Grading System

Course work is evaluated on the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Definition</th>
<th>Grade Points</th>
<th>Grade</th>
<th>Definition</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Exceptional</td>
<td>4.0</td>
<td>D</td>
<td>Minimally Acceptable</td>
<td>1.0</td>
</tr>
<tr>
<td>A-</td>
<td></td>
<td>3.7</td>
<td>F</td>
<td>Failing</td>
<td>0.0</td>
</tr>
<tr>
<td>B+</td>
<td>Good</td>
<td>3.3</td>
<td>W</td>
<td>Withdrawal</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
<td>I</td>
<td>Incomplete</td>
<td></td>
</tr>
<tr>
<td>B-</td>
<td></td>
<td>2.7</td>
<td>S</td>
<td>Satisfactory</td>
<td></td>
</tr>
<tr>
<td>C+</td>
<td>Satisfactory</td>
<td>2.3</td>
<td>U</td>
<td>Unsatisfactory</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>2.0</td>
<td>X</td>
<td>Audit</td>
<td></td>
</tr>
<tr>
<td>C-</td>
<td></td>
<td>1.7</td>
<td>NR</td>
<td>Not Reported</td>
<td></td>
</tr>
<tr>
<td>D+</td>
<td></td>
<td>1.3</td>
<td>IP</td>
<td>In Process</td>
<td></td>
</tr>
</tbody>
</table>

An instructor has the option of affixing a minus to the grade of A, a plus or a minus to the grades B and C, and a plus to the grade of D. A plus increases the number of grade points awarded by 0.3, and a minus decreases the number of grade points awarded by 0.3.

The grade point average (GPA) is determined by dividing the number of grade points by the number of credits the student has attempted. Courses with the following grades are not included in the GPA calculation: W, I, S, U, X, NR, IP. Any course may be repeated, in which case only the last attempt is used in computing the GPA.

The GPA is calculated only on the basis of credits attempted at Bethel. In order to receive a degree, a student shall have earned at least a 2.00 overall GPA and the required GPA in the major. Most departments require a 2.25 GPA in the major, but some departments require a higher GPA in the major. See requirements for the majors in this catalog.

The grade X is given when a student audits the course. Students wishing to audit a course must secure the consent of the instructor for such enrollment status. A student may change to or from audit status with the instructor’s approval only during the first five weeks of the semester. Auditing at Bethel is defined as observation in the classroom setting. Auditors are required to meet the attendance requirements set by the instructor. Students and those who do not meet the attendance requirements will be graded W. Participation beyond attendance in class activities is at the instructor’s discretion.

The grade W is given only to a student who officially drops a course after the first six days of the term (excluding weekends) and before the end of the 12th week of a term. Course drops are official on the date written notice is received by the Office of the Registrar. No course drops are accepted after the 12th week.

The S/U grading option is used in student teaching and internships, as well as music performance organizations and private lessons taken without credit. Other courses are graded on an A–F basis, unless the S/U option is indicated on the course schedule. A student may count no more than 12 hours of S/U graded courses toward graduation requirements (in addition to the four instances listed in the first sentence of this paragraph). For each course, the student must declare this option no later than the end of the first week of classes. The S grade indicates at least D level achievement.

The grade I is given when students are unable to complete the course requirements in the regular time due to causes that are beyond their control and when approved by the instructor (see the Office of the Registrar for approval forms). Remaining work must be of a kind that can be done largely through the independent effort of a student. Unless removed within eight weeks after the start of the next semester (fall or spring), the student will be graded for the course.

All grades are considered final and are not subject to change except for errors in calculation, or as a result of a formal grade appeal process (see the registrar for procedure). The I is changed when work is completed as stated above.

The grades IP and NR are generated for administrative use only.
CREDIT BY EXAMINATION
Within the structures outlined below, Bethel University awards advanced placement in recognition of learning that has been achieved apart from a college classroom situation. A maximum of 30 credits in advanced placement can be applied toward a degree program.

1. Credit may be awarded to a student who receives a qualifying score on an Advanced Placement Examination (AP) of the College Entrance Examination Board. Consult the Office of the Registrar for details.

2. Credit may be awarded to a student who receives a qualifying score on either a General Examination or a Subject Examination of the College-Level Examination Program (CLEP). Consult the Office of the Registrar for details.

3. Credit may be awarded to a student who receives a qualifying score on a DANTES Subject Standardized Test (Defense Activity for Non-Traditional Education Support), which is equivalent to a college course. Consult the Office of the Registrar for details.

4. Full credit may be awarded for a particular course in which a student is able to demonstrate sufficient knowledge and ability as determined by standards of evaluation worked out and approved by the departments concerned in consultation with the dean of academic programs. This option is available only in those subject matter areas that are not covered by exams in categories 1–3, and only by consent of the related department and the Office of Academic Affairs. Credit awarded by this procedure is entered on the student’s record with an S (satisfactory) grade. A fee is charged by the university to cover testing costs.

5. Exemption from certain first-level courses may be granted on the basis of an adequate score on special placement examinations devised by the respective departments.

6. Bethel awards credit only for Higher Level IB Examinations through the International Baccalaureate program. A student may receive up to eight semester credits for each Higher Level Examination completed with a score of five, six, or seven. Course equivalents are determined by the registrar in consultation with the appropriate department on an individual basis.

ADVANCED STANDING
Students who have completed courses at other institutions of higher education may receive a limited amount of credit for those courses that are equivalent to work offered at Bethel. The amount of credit, the courses to be accepted, and the method of evaluation will be determined by the nature of the courses and the merits of each application. An applicant who has attended any school or college after graduation from high school must submit an official transcript from that institution. Only courses with a C grade or higher will be accepted in transfer.

(See requirements for a baccalaureate degree for transfer students and new students entering Bethel with college credits.)

FINAL EXAMINATIONS
At the close of the fall and spring semesters, one week is provided for final examinations. Two hours are allowed for each examination. The examination schedule is prepared by the registrar and published at the time of registration. Students are required to take examinations at the indicated time. Exceptions necessitated by conflicts with an established work schedule, severe personal hardships, or academic hardship (in the form of having three examinations on one day) must be approved by the faculty member. Exams will not be rescheduled merely for the economy and/or convenience of the student.

Final examinations are usually given in interim and summer school courses, but no special days are specifically set aside for this purpose.
**BACHELOR DEGREE HONORS**

Honors at graduation for bachelor’s degrees are awarded on the basis of a student’s cumulative grade point average.

Students who complete at least 68 credits at Bethel receive honors based on the following cumulative GPA criteria:

- **Summa Cum Laude** ....................................... 3.90
- **Magna Cum Laude** ........................................ 3.75
- **Cum Laude** ..................................................... 3.60

Transfer students who complete fewer than 68 credits at Bethel receive honors based on the following cumulative GPA criteria:

- **Summa Cum Laude** ....................................... 3.92
- **Magna Cum Laude** ........................................ 3.80
- **Cum Laude** ..................................................... 3.68

**DEAN’S LIST HONORS**

Students receive Dean’s List honors for each semester in which they earn at least 12 semester credit hours that carry grades used in the calculation of the grade point average (GPA) and earn a grade point average of 3.6 or better. The Dean’s List is final as of 10 days after the last day of final examinations. Students completing work after this date do not become eligible.
ACADEMIC PROGRESS, PROBATION, AND DISMISSAL

1. **Academic Warning**: Students are given an academic warning anytime their regular-term GPA is below 2.00.

2. **Academic Probation**: Students are in good academic standing when their cumulative GPA is 2.0 or higher.* Students whose cumulative GPA falls below 2.0 will be placed on academic probation (P1 level)** and will retain that status in subsequent terms until achieving 2.0, provided their GPA is improving each term. Students on P1 probation whose GPA declines during subsequent terms will be subject to further probation and, ultimately, dismissal.

3. **Academic Dismissal**: The following students may be subject to academic dismissal: (a) regularly admitted freshmen whose cumulative GPAs are below 2.0 at the end of their second semester; (b) provisionally admitted students whose cumulative GPAs are below 2.0 at the end of their second semester at Bethel; (c) all other students whose cumulative GPAs are below 2.0 for two consecutive semesters; (d) students who do not meet the stipulations set by the registrar at the time of being placed on academic probation.

Patterns of poor performance not listed in items a-d above may also lead to academic dismissal. (Note that in order to graduate, students are also required to earn a 2.25 grade point average in their major unless otherwise noted.)

Academic dismissal of any student is the decision of the Bethel University Registrar. Academic warning and academic probation may not always precede academic dismissal.

4. **Appeals**: Student appeals of academic decisions of the registrar must be made directly to the Academic Appeals Committee for review.

*Eligibility for extracurricular activities: Students in good standing are academically eligible for participation in extracurricular activities unless the activity itself has a higher academic requirement for participation. Students on P1 probation may be considered in good standing for eligibility purposes. However, these students are expected to engage in academic development activities while they are on P1 status. Students who are not in compliance with these standards or who are subject to probation beyond Level P1 are not eligible for participation in extracurricular activities.

**The University Registrar’s Office maintains several levels of academic probation, based upon a variety of factors. A description of the operating procedure used to determine probation level is available upon request.

ACADEMIC HONESTY

Since Bethel University is a Christian academic community, its fundamental purpose is the pursuit of knowledge and the development of growing Christian persons. Essential to the success of this educational mission is a commitment to principles of ethical academic integrity. Every member of the university community is responsible for upholding the highest standards of honesty at all times. Students, as members of this community, are also responsible for adhering to the principles and spirit of academic honesty. Violation of honesty standards can result in denial of credit (U or F) in a course, as well as dismissal from the university. Penalties are given at the discretion of the faculty member, and offenders may be referred to the dean of academic programs. Students charged with a violation have the right to appeal any disciplinary action. Contact the Office of Academic Affairs for details on the appeal process.

**Academic Dishonesty Definitions**

Activities that have the effect or intention of interfering with education, pursuit of knowledge, or fair evaluation of a student’s performance are prohibited. Examples of such activities include, but are not limited to, the following definitions:

1. **Cheating**: Using or attempting to use unauthorized assistance, material, or study aids in examinations or other academic work, or preventing or attempting to prevent another
from using authorized assistance, material, or study aids. Examples: using a cheat sheet in a quiz or exam; altering a graded exam and resubmitting it for a better grade, etc.

2. **Plagiarism:** Using the ideas, data, or language of another without specific and proper acknowledgment. Examples: misrepresenting another’s work (paper, lab report, article, or computer work) as one’s own original creation and submitting it for an assignment; using someone else’s ideas without attribution; failing to cite a reference or to use quotation marks where appropriate, etc.

3. **Fabrication:** Submitting contrived or altered information in any academic exercise. Examples: making up data for an experiment; fudging data; citing nonexistent or irrelevant articles, etc.

4. **Multiple submission:** Submitting, without prior permission, any work submitted to fulfill another academic requirement. Example: submitting the same paper for two different classes, etc.

5. **Misrepresentation of academic records:** Misrepresenting or tampering with or attempting to tamper with any portion of a student’s transcripts or academic record, either before or after coming to Bethel University. Examples: forging a registration form or a change of grade slip; tampering with computer records, etc.

6. **Facilitating academic dishonesty:** Knowingly helping or attempting to help another violate any provision of this code. Example: working together on a take-home exam or other individual assignment, etc.

7. **Unfair advantage:** Attempting to gain unauthorized advantage over fellow students in an academic exercise. Examples: gaining or providing unauthorized access to examination materials (either past or present); obstructing or interfering with another student’s efforts in an academic exercise; lying about a need for an extension for an exam or paper; continuing to write even when time is up during an exam; destroying, hiding, removing, or keeping library materials, etc.

8. **Computer crimes:** Damaging or modifying computer programs without permission. Examples: software piracy; hacking; constructing viruses; knowingly introducing viruses into a system; copying programs and data belonging to others, etc.

**ACADEMIC APPEALS**

Appeals related to academic dismissal are made to the Academic Appeals Committee. Consult the registrar for procedures. All other academic appeals (course grades, graduation, status in programs, academic dishonesty, decisions of the registrar in applying academic policies, complaints about course content or procedures, etc.) are handled in the following manner: (1) As soon as possible following the decision or incident in question, the student will seek to resolve the matter first with the instructor, or with the party directly responsible for the decision, and then with the department chairperson. (2) If, after talking with the instructor and the department chairperson, the student still thinks he or she is being treated unfairly or not in accordance with announced academic policies, the student may appeal in writing to the dean of academic programs. This written appeal must be received within three weeks after the decision or incident in question. If the concern is a complaint about course content or procedures, the student should talk with the dean of faculty growth and assessment.

**REGISTRATION IN OTHER INSTITUTIONS**

Students who are regularly registered at Bethel University may take courses at other accredited institutions for transfer credit if they have prior consent of the registrar. Only courses with a C grade or better are accepted in transfer.
ROTC
The resources and programs of ROTC are available to Bethel University students. These resources include scholarships and other forms of financial aid. All credits earned in the program will transfer to Bethel. For full information contact:

**ARMY**
University of Minnesota
Department of Military Science (Army ROTC)
101 Armory Building
15 Church Street S.E.
Minneapolis, MN 55455
612.626.1584

**AIR FORCE**
Air Force ROTC Det. 410
University of St. Thomas, #5016
2115 Summit Avenue
St. Paul, MN 55105-1096
612.626.1584

**CLASSIFICATION OF STUDENTS**
The official classification of students for each academic year is made at the beginning of the fall semester on the basis of a student’s having completed credits according to the following schedule:

- **Freshman**: fewer than 30 credits
- **Junior**: at least 60 credits
- **Sophomore**: at least 30 credits
- **Senior**: at least 90 credits

**READMISSION PROCEDURE**
Former students who wish to re-enroll at Bethel, whether away for one semester or more (except interim), must file an application for readmission. Contact the Office of Admissions for forms and procedures.

**HONORS PROGRAM**
The Honors Program is designed to encourage and serve students desiring a challenging academic program that pursues Bethel’s long-standing commitment to the integration of faith and learning. See the Honors section of this catalog for specifics on this program.

**INDIVIDUALIZED STUDY**

**Directed Studies**
Juniors and seniors with a cumulative GPA of 3.0 or higher may request to take a directed study course in their major for academic credit. Students must design the directed study course in cooperation with their academic advisor and a faculty member who will supervise the study. A directed study course may not be used to meet General Education requirements. An application for directed study must then be submitted to the registrar no later than one week before the beginning of the semester in which it is to take place. A copy of the regulations governing directed study, as well as an application form, may be obtained from the Office of the Registrar.

**Academic Internships**
An academic internship is an off-campus learning/practicing experience in which students apply a body of knowledge and skills in a structured “real world” setting. Credit is available through some departments to qualified students in their majors. The registrar reserves the course numbers ending in 81 to designate an internship in all participating departments. Inquiries should be directed to department chairpersons.

**Individualized Major**
A student may choose to develop an individualized major designed to meet his or her needs and interests. Any such program should have a coherent organizing principle that differs significantly from those underlying standard majors. The program must be developed in consultation with an academic advisor and must be submitted and approved by the end of the first semester of the student’s junior year. The complete policy and guidelines may be obtained from the Office of the Registrar.
THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

The Family Educational Rights and Privacy Act of 1974 (FERPA), as amended, is a federal law enacted to establish procedures for disclosing information contained in student records and to protect the privacy of these records. The Act applies to currently enrolled students beginning at the point of deposit (“fee paid”) and former students, but does not apply to individuals who have applied for admission, but never attended Bethel University. Applicants for admission who are denied enrollment or who are accepted but do not deposit do not have a right to review their records. Information obtained on a former student subsequent to graduation or termination of enrollment is not covered under the Act (e.g. data accumulated on alumni). All rights under the Act cease when a person dies—the university will decide on an individual basis what records of deceased students can be released and to whom they will be released.

Bethel University will notify students annually of their rights under the Act by publishing such information in the university catalog. A complete policy is available from the Office of the Registrar.

Currently enrolled and former students have a right to inspect their educational records upon written request. Students must request permission in writing to inspect their records and must present that request to the appropriate office as noted in item three of this policy. The records will be made available to the student for inspection not more than 45 days following the request. A university employee will be present while the student inspects his or her records.

1. Definitions:
   a. A school official is a person employed by Bethel University in an administrative, supervisory, academic or research, or support staff position (including Security and Safety personnel and Health Services staff); a person or company with whom Bethel University has contracted (e.g. auditors, attorney, National Student Clearinghouse); a person serving on the Board of Trustees; or a student serving in an official committee or assisting another university official in performing his or her tasks.
   b. Education Records are defined as anything that directly identifies a student and are maintained as official working files by the university. Education records may include: Class Lists; Grade Rosters; Computer Printouts; Information on a Computer Screen; Student Schedules; Documents in the Office of the Registrar; Advisee Folders; AND anything that contains the following: ID Number; Social Security Number; Grades; Exam Scores; GPA; Number of credits taken in a term; Date of Birth, etc.
   The following files are NOT considered educational records under FERPA:
      • Records about students made by instructors, professors, and administrators for their own use and not shown to others (sole possession records)
      • Office of Security and Safety records maintained solely for law enforcement purposes and kept separate from the education records described above
      • Employment records, except where a currently enrolled student is employed as a result of his or her status as a student
      • Records of a physician, psychologist, or other recognized professional made or used only for treatment purposes and available only to persons providing treatment
      • Records that contain only information relating to a person’s activities after that person is no longer a student at the university
      • Financial information submitted by parents(s)/guardian(s)
      • Directory Information not restricted by the student
      • Confidential letters and recommendations placed in the student’s record if the student has waived in writing his or her right to inspect those letters and recommendations. Students may revoke a waiver at a later time, but any such waiver must be in writing and is only effective with respect to actions occurring after the revocation.

2. For information about educational records, contact the office in which the records are kept. Types of educational records maintained by Bethel University are as follows:
   a. Office of Admissions—Application for admission, academic records from past schools
attended, recommendations, and related documents. These records are transferred to the Office of the Registrar/Academic Services after the student is enrolled.


c. Office of the Registrar—Personal information data, course registration, records of all courses taken including grades, documents related to degree completion requirements, and other related information.

d. Business Office—Records related to all charges, payments, and emergency and Perkins loans for educational services rendered by the university.

e. Office of Career Services—Placement data completed by the student, resumes, information on courses taken toward degree, letters of recommendation from faculty and/or employers.

f. Academic Departments—Student applications to program, copies of grades, notes from student interviews, faculty recommendations, department recommendations, records of field experiences, clinicals, practica, internships, and other related documents.

g. Health Services—Student medical forms, copies of athletic physicals, and records of medical services rendered to the student through the university.

h. Office of Undergraduate Student Development—Photograph, ID card information, evaluations from residence hall personnel, interest test results, housing applications, Covenant for Life Together and miscellaneous correspondence, disciplinary information.

i. Office of Development—Personal data on alumni of the university and records of financial giving.

j. Faculty Advisors—Notes from advising sessions, copies of various communications to and from advisee, faculty, and other offices, and related advising material.

3. Students may request copies of available records when failure to provide a copy of the record would effectively prevent the student from inspecting and reviewing the record. Students must pay a per copy fee. A copy may be refused, but only if, in doing so, the institution does not limit the student’s right to inspect and review that record.

Unless otherwise required by law, Bethel University transcripts will not be issued to students who are delinquent in paying university charges for educational services or who are behind in financial loan repayments. Copies will not be provided of education records (e.g. transcripts) which were issued by other education institutions unless authorized by the Registrar.

4. Student records will be designated as “directory” or “non-directory” information. “Directory information” may be released at the discretion of university officials without the written permission of the student. Once a year students will be given the opportunity to request that directory information be withheld unless their written approval is given. Students may request to withhold disclosure of directory information by completing a form online or in the Registrar’s office. A student who is no longer enrolled cannot request that directory information be withheld. Bethel will, however, continue to honor a student’s last request with regard to the disclosure or non-disclosure of directory information made while the student was in attendance at Bethel.

a. Directory information means information contained in an education record of a student that would not generally be considered harmful or an invasion of privacy if disclosed. Directory information includes, but is not limited to: the student’s name; address; telephone listing; electronic mail address; photograph; date and place of birth; major field of study; grade level; enrollment status (e.g.; undergraduate or graduate; full time or part time); dates of attendance; participation in officially recognized activities and sports; weight and height of members of athletic teams; degrees, honors, and awards received; and the most recent educational agency or institution attended.

b. Non-directory information is defined as any personally identifiable student information which is not directory information. Directory information does NOT include a student’s social security number or student identification (ID) number, except as provided in paragraph (c) of this section.
c. Directory information includes a student ID number, user ID, or other unique personal identifier used by the student for purposes of accessing or communicating in electronic systems, but only if the identifier cannot be used to gain access to education records except when used in conjunction with one or more factors that authenticate the user’s identity, such as a personal identification number (PIN), password, or other factor known or possessed only by the authorized user. [Federal Register, Authority: 20 U.S.C. 1232g(a)(5)(A)].

5. “Directory” and “Non-directory information” must be released without the written consent of the student to:
   Authorized representatives of the Comptroller General of the United States, the Attorney General of the United States, the Secretary of Education, or State or local educational authorities, for audit and evaluation of Federal and State supported education programs, or for the enforcement of or compliance with Federal legal requirements which relate to those programs.

6. “Directory” and “Non-directory information” may be released without the written consent of the student to:
   a. Bethel University personnel who have a legitimate educational interest in the records.
   b. Officials of another school in which the student seeks to enroll.
   c. Persons or organizations involving financial aid in order to determine the student’s eligibility for financial aid; to determine the amount of financial aid; to determine conditions to be imposed regarding financial aid; and to enforce conditions of financial aid.
   d. A person or organization retained to be an agent for, or under contract with Bethel University (e.g. financial auditors, attorney, National Student Clearinghouse).
   e. State and local officials as allowed by state statutes concerning the juvenile justice system.
   f. Organizations that are conducting studies to develop, validate, and administer predictive tests; administer student aid programs; and improve instruction. Those organizations cannot redisclose personally identifiable information of students.
   g. Accrediting agencies carrying out their accrediting functions.
   h. Parents of dependent students. Students who are claimed as dependents on their parents’/guardians’ most recent federal tax return.
   i. To comply with a judicial order or lawfully issued subpoena. The university will notify the student when such a request occurs without the student’s knowledge unless prohibited by law.
   j. Appropriate persons in a health or safety emergency.

7. The university can release information related to a student contained in law enforcement records so long as such records are created by a law enforcement unit, created for a law enforcement purpose, and maintained by a law enforcement unit in a manner that segregates them from records maintained by other components of the university.

8. The Act does not guarantee any rights to parents or guardians of students who are attending post-secondary institutions. The Act does, however, allow Bethel to provide parents with access to their student’s educational records provided the parents claim the student on their Federal income tax return. If a student is claimed as a dependent for Federal income tax purposes by either parent (regardless of the parents’ current marital status), then either parent may have access to the student’s education records without the student’s consent. Parents who did not file a Federal income tax return or did not claim their student as a dependent on their Federal income tax return may not have access to their student’s education records without their student’s express written consent.

   If Bethel determines that there is an articulable and significant threat to the health or safety of a student or other individuals, it may disclose information from educational records to any person whose knowledge of the information is necessary to protect the health or safety of the student or others, provided that Bethel will only exercise this authority for the duration of the emergency.
9. Bethel University will maintain a record of requests for access to and disclosure of a student’s non-directory information to anyone other than the student, university officials with a legitimate educational interest, a party with the student’s written consent, or a party seeking or receiving the records as directed by a court order or lawfully issued subpoena that directs the university to refrain from disclosing the contents of the subpoena or the information furnished in response to the subpoena. A student may inspect the record of disclosure, which will be kept by the office in which the record is maintained unless such inspection is prohibited under the terms of a court order or lawfully issued subpoena.

10. If a student believes that information in his or her record is inaccurate, misleading, or otherwise in violation of his or her privacy rights, he or she may request that a change in the record be made. Such a request must be in writing and submitted to the appropriate university official in whose office the record in question is located (see section three). If the student disagrees with the action taken, he or she may make a written request to that official for a hearing to contest the record. A hearing will be conducted within three weeks of the written request (or as soon thereafter as is practicable) with the student having an opportunity to present all relevant evidence. The hearing panel will consist of the university official in charge of the record in question and two other officials selected by the official in charge. The student will be notified within two weeks of the hearing (or as soon thereafter as is practicable) as to the decision of the official or hearing panel. The decision of the hearing panel is final. If the student disagrees with the action taken by the hearing panel or official, he or she may place a statement in his or her educational record giving the reasons for disagreeing with the decision. (NOTE: Appeal of grades or disciplinary action should follow the processes outlined in the student handbook and academic catalog.)

11. Enforcement of this Act is the responsibility of the Family Compliance Office, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, D.C. 20202-5920. (The only penalties provided for violation of the Act on the part of the university is the possible elimination of federal funds received by the university. There is no private cause of action under the Act.)


STATEMENT ON LEGITIMATE EDUCATIONAL INTEREST

For these purposes, ‘legitimate educational interests’ shall mean an EDUCATIONALLY RELATED purpose, which has a directly identifiable educational relationship to the student involved and underlies the request.

The following criteria shall be taken into account in determining whether a school official has a legitimate educational interest in the information contained in the student records at issue:

• The official must seek the information within the context of the responsibilities that he or she has been assigned;
• The information sought must be used within the context of official university business and not for purposes extraneous to the official’s area of responsibility or to the university;
• The information requested must be relevant and necessary to the accomplishment of some task or to making some determination within the scope of university employment;
• The task must be determined to be consistent with the purposes for which the data are maintained. Requests related to institutional research and studies are subject to this criterion;
• The university will give student information where prescribed by law or when retained by an agent of the university or a party with whom the university has contracted (e.g. auditors, National Student Clearinghouse).

Disclosure to a school official having a legitimate educational interest does not constitute institutional authorization to transmit, share, or disclose any or all information received to a third party. UNAUTHORIZED DISCLOSURE OF PERSONALLY IDENTIFIABLE INFORMATION FROM THE EDUCATION RECORD OF ANY STUDENT IS PROHIBITED.
Off-Campus Programs

Bethel University has long recognized the importance of offering its students a wide range of off-campus educational opportunities in both domestic and international locations. Such experiences are a significant part of the academic program at Bethel, providing an opportunity for expanded understanding of the world. Bethel sponsors a wide variety of programs of its own as well as several in collaboration with host organizations, consortiums, and universities around the globe. Students must attend Bethel at least one semester before participating in an off-campus studies program.

As part of the overall program in off-campus study at Bethel, the Office of Off-Campus Programs/International Studies offers information and assistance to all students interested in studying abroad and in other off-campus locations.

Several components of the General Education curriculum are intended to prepare graduates for life in the interconnected, mutually dependent global community. The off-campus, cross-cultural experience (Z) course requirement can be met by successfully completing a semester abroad. In addition, off-campus interim courses that incorporate interaction with people from another culture and have been pre-approved by the General Education committee also fulfill this requirement. Cross-cultural experience courses include a Z in the course number.

Studying in Spain
OFF-CAMPUS PROGRAMS (International)
Resources and application materials are available in the Office of Off-Campus Programs/International Studies for students considering a term abroad. Policies regarding eligibility, finances, etc., are available in the Office of Off-Campus Programs/International Studies.

Semester Programs
Students must have completed a minimum of 30 credits and seniors must meet residency requirements in order to participate in semester off-campus programs. All students must have a minimum 2.5 grade point average and must complete the Office of Off-Campus Programs/International Studies approval process.

Australia Studies Centre (ASC)
ASC is designed to integrate the firsthand observation and study of Australian culture, history, religion, and politics with experiential service learning and formal instruction in the arts. The program is run in conjunction with the Wesley Institute for Ministry and the Arts (WIMA), a school with a ministry and arts focus in Sydney, Australia. The program includes a seminar course on Australian History, Culture, and Society and three or four electives chosen from the Wesley Institute’s list of courses. Students also regularly participate in a service project in conjunction with the Wesley Mission. The program includes an excursion to New Zealand.

Australia Term
In partnership with the Wesley Institute for Ministry and the Arts (WIMA), Bethel offers a fall semester study opportunity in Sydney, Australia. WIMA is a dynamic evangelical Christian community of people from a variety of vocations, locations, churches, languages, and cultures who share a common goal: being equipped to undertake ministry opportunities in all walks of life. Offering courses in fine arts (dance, drama, design, music), theology, and integrative studies, WIMA is Australia’s premier Christian college for theology and the arts. Located in a beautiful suburb of Sydney, WIMA provides a wonderful setting for exploring the neighborhoods, beaches, and the downtown area of the internationally renowned harbor city. Students study alongside Australian and international students for optimum cultural and faith integration. The program includes travel to Canberra, Australia’s capital, and other regions of interest.
China Studies Program (CSP)
CSP, which began in the spring of 1999, allows students to experience this large and intriguing country from the inside. While living and experiencing Chinese civilization firsthand, students participate in seminar courses on the historical, cultural, religious, geographical, and economic realities of this strategically important and populous nation. In addition to the study of Mandarin Chinese, students have the opportunity to assist Chinese students learning English, allowing for one-on-one interaction. The program is based in the coastal city of Xiamen but seeks to introduce students to the diversity of China through travel to Beijing, Shanghai, Xi’an, and Hong Kong. This interdisciplinary, cross-cultural program of study enables Christian students to deal with this increasingly vital part of the world in an informed, Christ-centered way. Students generally enroll in 16 semester hours of credit.

Creation Care Study Program (CCSP)
CCSP has programs based in unique environmental education centers in Belize and in the South Pacific: New Zealand and Samoa. Through four months of study, reflection, discussion, research, travel, and cross-cultural living, students explore issues of biblical stewardship. Core courses are offered in tropical or South Pacific ecosystems, sustainable community development, and theological perspectives on God and nature. Students may also choose to do an internship (Belize) or take an elective course in cultural anthropology or literature of the wild. Students enroll in 15-16 semester hours of credit.

England Term
Bethel University offers a biennial (fall of odd-numbered years) academic program of residential study and travel in Great Britain, Ireland, Northern Ireland, and France. Led by a faculty member from the Department of English, England Term emphasizes serious academic study, the building of Christian community, and the experience of other cultures in ways that are not possible in on-campus programs. Students are abroad for an entire semester, alternating between extended stays at home bases and travels throughout England, Scotland, Wales, Ireland, Northern Ireland, and France. Sites are chosen for their literary, historical, and cultural significance, and usually include such places as Edinburgh, the Lake District, Oxford, Cambridge, Stratford, London, and Dublin. The program offers opportunities for deeper cultural contact (e.g., homestays with British or Irish families) and approximately two weeks for independent travel in Europe. See the English department listings for descriptions of courses typically offered during England Term. For further details contact the chairperson of the English department or the Office of Off-Campus Programs/International Studies.
Europe Term: International Business
International Business in Europe is an academic program of residential study and travel in Austria, Czech Republic, Germany, and France. Currently operating in the fall semester of odd years, the program emphasizes an integration of cross-cultural interaction and rigorous academic study, including 300-level courses in business and communication, and a German language and culture course. Students spend the majority of the term at two study bases: Schloss Mittersill Christian Study Center (Mittersill, Austria) and the International Baptist Theological Seminary (Prague, Czech Republic). Extensive travel through Central and Western Europe is interspersed throughout the term, providing opportunities for interaction with not only multinational corporations, but also Christians from various backgrounds and nationalities. Though geared toward business majors, this Europe Term is open to students who have completed one business course. Participants will complete the cross-cultural experience (Z) requirement of Bethel’s General Education curriculum.

Guatemala Term
Every spring Bethel University offers an academic and service program in Antigua, Guatemala. The 14-15 credit program emphasizes an integration of academic study, Christian service, and cross-cultural interaction. Students take 7-8 credits of Spanish, studying one-on-one with tutors from the Centro Lingüístico Maya in Antigua. They also participate in a practicum experience, working side-by-side with Guatemalans who have expertise in education, social work, medicine, appropriate technology, and economic development. This program is especially designed for students who are interested in applying their field of study to international Christian service.

Hong Kong Baptist University (HKBU)
A semester at HKBU exposes students to a blend of Eastern and Western cultures in the Asian metropolis of Hong Kong. HKBU consists of three campuses in the heart of Kowloon, Hong Kong, and offers programs in a variety of subjects in a modern, fully equipped, highly technological environment. Students may enroll in subjects taught in English from across the university-wide curriculum. Special courses for international students explore Chinese society and the Mandarin and Cantonese languages. Students room with local HKBU students in the International House on the university campus. Students earn semester credits that are transferable to Bethel.

Latin American Studies Program (LASP)
LASP provides an opportunity to live and learn in San Jose, Costa Rica. The semester-long program allows students to study the language, literature, culture, politics, history, economics, ecology, and religion of the region while living with a Costa Rican family. Students also participate in a service opportunity and travel for three weeks to surrounding countries. Students participate in one of four concentrations: Latin American Studies (offered both fall and spring terms); Advanced Language and Literature (limited to Spanish majors and offered both fall and spring terms); International Business and Management (offered only in fall terms); and Tropical Sciences (offered only during spring terms). Students in all tracks enroll in 16 semester hours of credit.

LCC International University (LCC)
Lithuania is undergoing intriguing transformation, emerging as a nation in its own right. LCC is a four-year educational institution with a North American style of education focused on liberal arts and leadership development. LCC is noted for having an international campus community, with students and staff from all over Eastern Europe and faculty from Europe, the United States, and Canada. The campus is located in Klaipeda, a port city on the Baltic Sea and a major Eastern European cultural center. Courses are taught in English in the core areas of theology, psychology, sociology, writing, and business. Students live in dorms with European students and have the opportunity to travel to Russia, Latvia, Estonia, and other Eastern European destinations. Students generally enroll in 15 semester hours of credit.
Middle East Studies Program (MESP)
MESP, based in Cairo, Egypt, allows students to explore and interact with the complex and strategic world of the modern Middle East. The interdisciplinary seminars give students the opportunity to explore the diverse religious, social, cultural, and political traditions of Middle Eastern people. In addition to seminars, students study the Arabic language and work as volunteers with various organizations in Cairo. Through travel to other Middle Eastern nations, students are exposed to the diversity and dynamism of the region. MESP encourages and equips students to relate to the Muslim world in an informed, constructive, and Christ-centered manner at a time of tension and change. Students enroll in 16 semester hours of credit.

Russian Studies Program (RSP)
RSP students are exposed to the depth and diversity of Russian culture during a semester spent in Russia’s three largest cities: Moscow, St. Petersburg, and Nizhni Novgorod. In addition to three seminar courses, students receive instruction in the Russian language. RSP strives to give students as wide an experience as possible in this complex nation, beginning with time in Moscow. Students then spend 12 weeks in Nizhni Novgorod, a strategic city on the Volga River. After six weeks of language instruction, students live with a Russian family. Students also participate in a service opportunity in Nizhni Novgorod. The program concludes with a week in St. Petersburg, the Russian “window to the West.” Students generally enroll in 16 semester hours of credit.

Studying in Samoa and living with a local family
Scholars’ Semester in Oxford (SSO)
Honors and other highly qualified students have the opportunity to study in England through an interdisciplinary semester at Oxford University. This rigorous academic program, aimed at increasing critical thinking skills and scholarship from a Christian perspective, allows participants to choose from a wide variety of tutorial study programs in religious studies, history, English, history of science, and philosophy. In addition to two Oxford tutorials, students participate in a seminar and an integrative course through which they produce a scholarly project or term paper. Field trips provide opportunities for experiential learning in England’s rich historical setting. Students enroll in 17 semester hours of credit.

South Africa Term
Through partnership with Cornerstone Christian College, located in Cape Town, Bethel students have the opportunity to live and breathe reconciliation in this spring semester program. Students are actively involved in campus life at the school, attending chapel and interacting with the multicultural student body. Through a required course on South African history and culture, students gain a well-rounded perspective on South African society, which is complemented by a homestay with a South African family. Students enroll in courses in disciplines such as Christian studies, Biblical studies, and sociology (all taught in English). The semester culminates in a cross-cultural community development project and includes excursions to sites such as Table Mountain, Cape Point Nature Reserve, and Robben Island (site of Nelson Mandela’s imprisonment). The courses within South Africa Term meet some of the requirements of the major in reconciliation studies.

Spain Term
Bethel University offers a fall semester academic program in Segovia, Spain. An hour from the capital city of Madrid, Segovia is a town rich in history, architecture, and cultural sites. This program is primarily directed toward students interested in furthering their proficiency in the Spanish language and knowledge of culture. All classes are taught in Spanish at the Center for Hispanic Studies. Students have the opportunity to interact with native Spanish speakers and university students through organized culture and language exchanges at the center. More cultural interaction takes place with Spanish host families. Though geared toward Spanish majors, Spain Term is open to students who have completed two years of college-level Spanish courses or the equivalent.

Studying in Ecuadorian rainforest
**Thailand Term**
Through partnership with Payap University, Bethel students have the opportunity to live and learn in Thailand in this fall semester program. Located in Chiang Mai, students are actively involved in student life at the university, living in the international student dormitory on campus, attending chapel, and interacting with the diverse student body of about 8,000. Through two required courses, Thai Language and Thai History and Culture, students gain a well-rounded perspective on Thai society. In addition, students enroll in two or three courses, in subjects such as economics, history, Bible, religion, and politics. All courses are taught in English. The semester includes a week-long trip to Bangkok, an optional three-week home stay with a Thai family, and service-learning opportunities.

**Tokyo Christian University (TCU)**
Students may experience the rich culture of Japan firsthand by spending a semester at TCU, a four-year Christian university that is part of Tokyo Christian Institute. Located in a residential area of Chiba Newtown, a growing suburb of East Tokyo, TCU offers academic programs in theological studies and international Christian studies. Students have the opportunity to take Japanese language courses and courses in English through the English Language International Student program. Students live in dorms alongside Japanese students and are encouraged to participate in student life activities such as clubs, study groups, concerts, and field trips. Students generally enroll in 16 semester hours of credit.

**Uganda Studies Program (USP)**
USP is an integrated study of culture, history, politics, and humanities that allows for a blended classroom and experiential survey of Ugandan life. The program includes an experiential course designed especially for USP students, flexible core classroom courses (choosing from religion, history, and literature), and electives from Uganda Christian University’s Honours College. Students live in the university dorms in Kampala and have the opportunity for a two-week homestay with an African family. Students also participate in ongoing service projects during the semester.

**Other International Study Opportunities**
Other study abroad programs approved by Bethel are available on a semester or interim basis. These programs can be arranged for students through the Office of Off-Campus Programs/International Studies.

**Bethel Interim Programs**
Bethel faculty members often teach interim courses in international settings. These classes are offered in a variety of subject areas. Courses vary from year to year. All students must have a minimum 2.2 grade point average and complete the Office of Off-Campus Programs/International Studies approval process. Seniors must meet residency requirements.

**Outside Programs**
Several study abroad programs offer January Term courses in a variety of locations and subject matter. Information is available in the Office of Off-Campus Programs/International Studies. All students must have a minimum 2.2 grade point average and complete the Office of Off-Campus Programs/International Studies approval process. Seniors must meet residency requirements.

**Summer Programs**
All students must have a minimum 2.2 grade point average and complete the Office of Off-Campus Programs/International Studies approval process. Seniors must meet residency requirements.

**Oxford Summer Programme (OSP)**
The Oxford Summer Programme (OSP) is a program of the Council for Christian Colleges and Universities and Wycliffe Hall, Oxford. The program is designed for students wishing to gain a more comprehensive understanding of the relationship between Christianity and the development of the West and who wish to do specialized work under expert Oxford academics in the areas of history, religious studies, political theory, philosophy, English, and the history of science. The Programme is structured for rising college sophomores, juniors, and seniors, graduate and seminary students, nontraditional students, teachers, and those enrolled in continuing education programs.
OFF-CAMPUS PROGRAMS (United States)

Semester Programs
Students must have completed a minimum of 30 credits and seniors must meet residency requirements in order to participate in semester off-campus programs. All students must have a minimum 2.5 grade point average and must complete the off-campus studies approval process.

American Studies Program (ASP)
Founded in 1976, ASP serves as Bethel’s “Washington, D.C., campus.” Students gain hands-on experience with an internship in their chosen field and explore pressing national and international issues in public policy seminars that are issue-oriented and interdisciplinary. Internships are available in a wide range of fields. ASP bridges classroom and marketplace, combining biblical reflection, policy analysis, and real-world experience. Students are exposed to on-the-job learning that helps them prepare for their futures and gain perspective on God’s calling for their lives. They are challenged to discover for themselves the meaning of Christ’s lordship and how to put their beliefs into practice. The aim of the program is to help students prepare to live faithfully in contemporary society as followers of Christ. Students enroll in 16 semester hours of credit.

Au Sable Institute for Environmental Studies
Bethel participates in the Environmental Studies extension program available at the Au Sable Institute in northern Lower Michigan. Financial assistance is available from Au Sable. Interested students should obtain information and forms from the Department of Biology.

Consortium Visitor Program
The Christian College Consortium Visitor Program is designed to give students an opportunity to take advantage of course offerings and varied experiences on other Christian college and university campuses for a semester while maintaining regular standing at Bethel. Further information on the Consortium Visitor Program may be obtained from the Office of Off-Campus Programs/International Studies.

Contemporary Music Center (CMC)
Young musicians and aspiring music industry executives have the opportunity to learn more about a career in popular music through the CMC. Alongside faculty, artists-in-residence, and visiting music industry professionals, students are encouraged to explore the integration of their Christian faith and love of music in the marketplace. In addition to seminars and lectures, great attention is given to the creation and marketing of original music. CMC offers two tracks: the artist track, in which students create a portfolio of original songs, and the executive track, in which students work with artists in career direction and management, contract negotiations, budgeting, and creating marketing and sales plans. The CMC is located on Martha’s Vineyard off the coast of Cape Cod, Mass. Students enroll in 16 semester hours of credit.

Los Angeles Film Studies Center (LAFSC)
The LAFSC is designed to train students to serve in various aspects of the film industry with both professional skill and Christian integrity. Students live, learn, and work in the Los Angeles area near major studios. The curriculum consists of two required seminars focusing on the role of film in culture and the relationship of faith to work in this important industry. In addition, students choose two elective courses from a variety of offerings in film studies. Internships in various segments of the film industry provide students with hands-on experience. The combination of the internship and seminars allows students to explore the film industry within a Christian context and from a liberal arts perspective. Students enroll in 16 semester hours of credit.
New York Center for Art & Media Studies (NYCAMS)
Bethel University offers a unique art and media studies program developed for students from Bethel and other CCCU schools. Operating both fall and spring semester, NYCAMS offers participants the unique opportunity to engage in cultural dialogue with artists from all over the world in New York City, the epicenter of contemporary art. Classroom and studio space is within walking distance from some of the most prestigious galleries and museums in the world. The diverse urban community becomes a classroom as students study contemporary art history and learn from lecturers, readings, and gallery visits. On-site faculty teach visual arts, direct open studio, and teach students to engage the culture with their faith and creativity. In addition, internships with internationally renowned artists and institutions provide participants with unique opportunities to experience and engage professionally with the arts. NYCAMS is open to art majors or minors with minimum sophomore standing and GPA of 2.5.

The Oregon Extension
The Oregon Extension is a fall semester Consortium Visitor Program of intensive interdisciplinary studies for juniors and seniors in the Southern Oregon Cascade Mountains. It provides an opportunity to grapple seriously with ideas, Christian commitment, and life together in a community of five faculty and 30 students. Students enroll in 16 semester hours of credit.

Washington Journalism Center (WJC)
The Washington Journalism Center (WJC) is a semester-long study program in Washington, D.C., created for students interested in the field of journalism. While in Washington, students take classes focusing on the history and future of the media and how it relates to the public as well as on their personal writing skills. These classes—Foundations for Media Involvement, Reporting in Washington, and Washington News and Public Discourse—combined with an internship at a top news publication help students learn to integrate their faith in a journalism career. Students also participate in service learning experience opportunities as well as live with families in home stays as part of the WJC experience.

Interim Student Exchange Program
Students may arrange to take January interim courses at other 4-1-4 colleges or universities while maintaining their regular student standing at Bethel. These visiting student privileges are usually authorized by bilateral reciprocal tuition waiver agreements. Students may also enroll in other accredited colleges or universities for January courses that meet Bethel’s interim academic standards. (See the interim catalog for full details.)

Studying the culture and life of India
## Academic Programs and Departments

### COURSE NUMBERS, LEVELS, CREDITS, AND PREREQUISITES

The primary purpose of Bethel’s course number system is to identify the intended clientele of each course, its level of content and material, and any necessary course background. Courses are designed primarily for students at the levels indicated below.

<table>
<thead>
<tr>
<th>Level</th>
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<tbody>
<tr>
<td>100s / Freshman</td>
<td>200s / Sophomore</td>
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The discipline code indicates the academic discipline being studied. The suffix code indicates the General Education requirement(s), if any, that can be met by completing the course.

Prerequisites are courses or other requirements (e.g. sophomore standing, consent of instructor, placement exams) that must be met before enrolling in a particular course. A comma between items in a list of prerequisites indicates that students may choose any of the items on the list to meet the prerequisites. A semi-colon between items indicates that each item in the list is required before enrolling in the course.

### DISCIPLINE CODE AND DESCRIPTION

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<tr>
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<td>Music—Ensembles</td>
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<td>MUL</td>
<td>Music—Private Lessons</td>
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<td>MUP</td>
<td>Music—Performance Groups</td>
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### SUFFIX CODE AND DESCRIPTION

for courses meeting General Education requirements

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<td>Science, Technology, and Society</td>
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<td>Nature of Persons</td>
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<td>Z</td>
<td>Cross-cultural Experience</td>
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—— continued from previous page ——
ANTHROPOLOGY, SOCIOLOGY, and RECONCILIATION STUDIES

The Department of Anthropology, Sociology, and Reconciliation Studies thoroughly integrates the methods and theories of anthropology and sociology in the study of social and cultural life. This approach prepares students to live and serve in our complex multicultural world of rapid urbanization, diverse religious voices, political conflict, and a widening gap between the haves and have-nots. Students are encouraged to use the tools of the social sciences to meet these challenges in the light of an informed Christian faith.

The department offers programs to engage this changing world by building an anthropological and sociological core, and applying these core understandings to real-world concerns such as crime, poverty, and racism. We offer a major in sociocultural studies with tracks in anthropology, sociology, urban, and cross-cultural mission, as well as a major in reconciliation studies. Minors in the department include sociocultural studies, reconciliation studies, and cross-cultural mission.

COURSES

Anthropology Courses

ANT200U • Introduction to Anthropology  (fall, spring)  3 credits
Study of humankind, with an emphasis on human social and cultural systems. Focus on one non-Western culture in anthropological perspective. Study of the discipline, methods, and theories of anthropology. Prerequisites: GES130 or GES 145, 146.

ANT241U • Peoples and Cultures of Africa  (interim)  3 credits
Comparative ethnography of contemporary African societies and cultures with particular reference to the Sub-Saharan region. Examination of Africa’s geography and historical context. Topics include: politics and economies of the region, population and urbanization, social institutions, women’s issues, the family, and religion. Prerequisites: GES130 or GES 145; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

ANT242U • Peoples and Cultures of the United States  (fall, spring)  3 credits
Comparative ethnography of contemporary United States cultures. A study of cultural origins and development of cultures in this complex, multicultural society with specific focus on Native American, immigrant minority, and dominant majority cultures of the United States. Special attention given to the nature of this pluralistic society and processes of community formation. Prerequisites: GES130 or GES 145, 146.

ANT245U • Peoples and Cultures of China  (fall)  3 credits
Comparative ethnography of contemporary Chinese societies and culture. Study of historical influences and modern Chinese politics; economy; population growth; environmental problems; the institution of the family, marriage, and sexuality; women and development; religion; literature; and popular culture. Explores the increased expansion and influence of China in global affairs and in different regions of the developing world. Prerequisites: GES130 or GES 145; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

ANT301K • Human Origins and Diversity  (fall)  3 credits
Fossil evidence for human origins and development. Human adaptation to the environment, human genetics, heredity, and comparison of humans to other primates. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.
ANT305 • Intentional Urban Living I  
**(fall, spring)** 2 credits
Intensive urban learning opportunity involving exploration and analysis of urban community, urban neighborhood social and political structures, and theological issues that arise in an urban context. Involves living in an urban neighborhood in Minneapolis or St. Paul and substantial interaction in the neighborhood.

ANT306 • Intentional Urban Living II  
**(fall, spring)** 2 credits
Intensive urban learning opportunity involving exploration and analysis of urban community, urban neighborhood social and political structures, and theological issues that arise in an urban context. Involves living in an urban neighborhood in Minneapolis or St. Paul and substantial interaction in the neighborhood. Involves an individualized research project and/or action project focused on a change initiative.

ANT314G • Peoples and Cultures of Latin America  
**Occasionally** 3 credits
Comparative ethnography of Latin America. A study of cultural and social uniformities and differences for this geographical region to develop an understanding of the social structures of Latin America. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

ANT318G • The Urban Church  
**Interim, odd # yrs** 3 credits
Taught on-site in cities around the world (e.g., Amsterdam). Students research the challenges of urban communities and help local churches develop church-based responses to these challenges. Intensive interaction with urban communities and churches. Method for applied and experiential learning in response to social needs. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

ANT340GZ • Globalization in India  
**Interim, even # yrs** 3 credits
Intensive study of globalization. Focus on the process of globalization through exploring the participation in the world economic, cultural, and social systems by individuals and communities at multiple levels of involvement—North American, Indian national elites, factory owners and workers, and the poor. Seek understanding of how globalization is affecting the lives of persons and communities at each level. Explore personal responsibility and involvement in the changing world of globalization. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course; consent of instructors.

ANT371G • Christianity in Cross-Cultural Perspective  
**Spring** 3 credits
How Christian faith and practice everywhere are influenced by and expressed through social systems. Aspects of the social structure of selected Christian groups, both Western and non-Western, with emphasis on how these structures contribute to and result from Christian conversion, belief, and practice. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

ANT381G • Urbanism: A Way of Life  
**Spring** 3 credits
Comparative study of urban life and urban social and cultural forces. Ways in which humans construct community; develop distinct urban lifestyles; and interact across social, ethnic, and religious boundaries. Special attention given to implications for urban planning, community development, and urban ministry. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.
Reconciliation Studies Courses

RES201 • Introduction to Reconciliation Studies  
(fall, spring) 3 credits
Overview of theory and literature in the field, contributing factors leading to the need for reconciliation in our world, and paradigms for reconciliation praxis. Biblically based principles and processes for moving toward societal reconciliation. Cultural and religious diversity, conflict resolution, spiritual disciplines, social and economic justice issues (racism, sexism, classism), and related subjects are covered.

RES207U • Martin Luther King Jr., Malcolm X, and Our Multicultural World  
(fall, spring) 3 credits
A study, comparison, and contrast of the lives and messages of Martin Luther King Jr. and Malcolm X with an application of this analysis to the present world situation. These two leaders are examined within the context of their African-American culture and religion, as well as within the broader cultural diversity of the United States and the rest of the world. Not open to students who have taken GES203L Martin Luther King Jr. and Malcolm X. Prerequisites: GES130 or GES145, 146.

RES210UZ • Leaders for Change in Jordan  
(interim, even # yrs) 3 credits
Experience and examine Jordan’s leadership and sociocultural dynamics when its leaders work as agents for change in their Arab Muslim culture. Learn from Jordan’s leaders in business, ecotourism, non-government organizations, education, and religion, analyzing how they lead their society into a diverse and interconnected world. Emphasis given to cross-cultural competency development. Learn tourist level Arabic. Prerequisites: GES130 or GES145, 146. Recommended courses: HIS212U, REL354.

RES240 • Introduction to South African History and Culture  
(interim) 3 credits
Explores the history of South Africa: the impact of colonialism on the indigenous peoples, and emergence of apartheid and its impact. Attention is given to the role of the church both in the evolution of apartheid and in its demise. The multiculturalism that enriches South Africa is explored. Prerequisite: Enrollment in the South Africa Term.

RES305 • Conflict Resolution and Mediation Skills  
(fall) 3 credits
Provides practical peacemaking and reconciliation skills relevant to helping Christians resolve conflict in a healthy, balanced way. Focus on using experiential learning to develop negotiation and mediation skills.

RES315 • Social Responsibility in the Marketplace  
(fall) 3 credits
Using multidisciplinary perspective, the course explores the different ways and dimensions that businesses relate to society and the nature of reciprocal relationship (whether good or bad) between the two social entities. Examines contrasting ethical arguments in historical contexts about the role of business in society. Considerable time will be spent discussing ways that healthy relationships can be promoted between business and society for the benefit of both entities. Prerequisites: Christianity and Western Civilization; Western Humanities; World Cultures (U) course. (Carries cross-credit in sociocultural studies.)

RES481 • Internship in Reconciliation Studies  
(spring) 3 credits
Practical learning experience to apply understanding and skills of reconciliation studies in a real-world setting. Prerequisites: RES201; major in reconciliation studies; junior or senior standing.

RES499 • Senior Seminar in Reconciliation Studies  
(fall, spring) 4 credits
Prepares students to use the lenses of Christ-centered biblical “reconciliation” theology, critical thinking, multicultural perspectives, social change analysis, and conflict resolution skills for leadership in the work of reconciliation in society. Students study theoretical underpinnings of reconciliation studies and leadership models of reconciliation practice. A service-learning component is required. Prerequisite: RES201; senior standing.
Sociocultural Studies Courses

SCS202U • Holistic Ministry and Human Needs  (fall)  3 credits
Survey of human needs with attention paid to the cultural perspectives and reality of those populations in need. Study of social, cultural, political, spiritual, environmental, and economic forces that shape human needs. Emphasis on those models with holistic ministry responses that are participatory and culturally contextualized. General models and findings are contextualized through the intensive study of a particular cultural group outside the majority culture(s) found in North America and Europe. Prerequisites: GES130 or GES145, 146.

SCS229U • Interaction with Urban Life and Systems  (interim)  3 credits
Experientially based introduction to the religious, ethnic, and economic diversity of urban life. Formal and informal interrelationships of people living in the urban environment and various models for approaching urban ministry. Students explore the reality of living in urban life through intensive study of and interaction with a specific cultural group that lies outside the majority culture(s) found in North America. Students are encouraged to understand their own feelings and social roles. Prerequisites: GES130 or GES145, 146.

SCS317G • Social Change and Community Development  (spring)  3 credits
Examines the multiple dimensions of the causes, processes, mechanism, strategies, and consequences of social change in the United States, Western, and non-Western societies at large. Topics include: patterns of change; spheres of change; duration of change; reactions to change; impact of change; costs of change; strategies of change; and assessment of change. Focuses on how community development programs through non-profit organizations can be used to promote meaningful and desirable social change in society. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

SCS330G • Local Development in Guatemala  (spring)  3 credits
Sociological study of how regional and worldwide political, economic, and social structures, along with broader historical events, impact local communities in Guatemala. Exploration of holistic development in these communities, with special emphasis placed on those models that are participatory and culturally contextualized. Case studies are drawn from Guatemala. Prerequisites: Must be enrolled in Bethel’s Guatemala Term program; GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

SCS350 • Qualitative Research Methods  (spring)  4 credits
Qualitative methodologies in the social sciences, with a particular focus in ethnographic field technologies. Interview and observation skills through field work in the Twin Cities area. Prerequisite: World Cultures (U) course.

SCS351 • Quantitative Research Methods  (fall)  4 credits
Study of quantifying social life to answer research questions. Focus on structuring of inquiry (research design, conceptualization, measurement, sampling), modes of quantitative observation (experiments, survey research, content analysis, evaluation research), analysis of data (univariate, bivariate, and multivariate statistics), and research ethics. Students participate in actual quantitative research.

SCS361 • Sociocultural Theory  (fall)  4 credits
Process of theory formation in the social sciences and concern with the relations between epistemology, analysis, and theory formation. Prerequisite: One anthropology, sociology, or sociocultural studies course.
SCS379G • Mission in the 21st Century  
(fall) 3 credits  
Comparative analysis of the social and cultural nature of the modern mission enterprise, its history and development, structure, and dynamics. Introduction to principles of missiology. Exploration and analysis of the intercultural nature of missions, with particular attention paid to the contribution of both first- and third-world participants. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

SCS385 • Cross-Cultural Experience  
(Guatemala Term, spring) 4 credits  
An intensive experience of living and communicating in another culture for a minimum of two months in Guatemala. Student is fully immersed in the culture as much as possible and is guided by a mentor from the host culture. Graded on a S/U basis. Students may receive credit for only one of the following: SCS385, SCS387Z, or SCS389. Prerequisite: Must be enrolled in Bethel’s Guatemala Term program.

SCS387Z • Cross-Cultural Experience  
(occasionally) 4 credits  
An intensive experience of living and communicating in another culture for a minimum of two months. Student is fully immersed in the culture as much as possible and guided by a mentor from the host culture. Prerequisites: ANT200E(U); Systems (G) course; application approved by the department prior to the experience. Graded on a S/U basis. Students may receive credit for only one of the following: SCS385, SCS387Z, or SCS389.

SCS389 • Cross-Cultural Mission Practicum  
(occasionally) 4 credits  
An intensive ministry experience in a cross-cultural setting for a minimum of one month. Student is fully immersed in the culture, involved in hands-on ministry, and is guided by a mentor from the host culture. Graded on a S/U basis. Prerequisites: SCS202U; prior consent of department. Students may receive credit for only one of the following: SCS385, SCS387Z, or SCS389. (Carries cross-credit in modern world languages when taken as part of Guatemala Term.)

SCS481 • Internship in Sociocultural Studies  
(spring) 3 credits  
A culminating experience to put to use knowledge and skills gained during studies done in the department. A guided research project is completed in consultation with members of the department. Prerequisites: Major in sociocultural studies; junior or senior standing.

SCS499 • Senior Seminar  
(spring) 4 credits  
A culminating experience to put to use knowledge and skills gained during studies done in the department. A guided research project is completed in consultation with members of the department. Prerequisites: Major in sociocultural studies; two of the following courses: SCS350, SCS351, SCS361; senior standing.

Sociology Courses

SOC101 • Introduction to Sociology  
(fall, spring) 3 credits  
Major concepts, theories, methodologies, findings, controversies, and history of sociology. Contributions of sociology to Christian life and thought.

SOC304G • Sociology of Crime and Deviance  
(fall, even # yrs) 3 credits  
Cross-cultural and comparative analysis of theories and data used by social scientists to understand and explain criminal behavior and deviance in advanced industrial societies and non-Western societies, especially countries of the Global South. Study of ways in which the media and crime-control agencies shape our understanding of crime. Introduction to comparative criminal justice systems and the roles and functions of the police, the courts, and correction institutions in developed and developing societies. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.
SOC313G • Social Entrepreneurship  
(fall, even # yrs)  3 credits  
Case study approach to learning how social entrepreneurs throughout the world organize and mobilize people and resources to alleviate challenges faced by socially disadvantaged and disenfranchised people. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

SOC315 • Social Responsibility in the Marketplace  
(fall)  3 credits  
Using multi-disciplinary perspective, the course explores the different ways and dimensions that businesses relate to society and the nature of reciprocal relationship (whether good or bad) between the two social entities. Examines contrasting ethical arguments in historical contexts about the role of business in society. Considerable time will be spent discussing ways that healthy relationships can be promoted between business and society for the benefit of both entities. Prerequisites: Christianity and Western Civilization; Western Humanities; World Cultures (U) course. (Carries cross-credit in reconciliation studies.)

SOC342G • Race, Ethnicity, and Peacemaking  
(fall, spring)  3 credits  
Exploration of the historical development of race and ethnicity as distinct but related social constructs. Analysis of the differential impact of race and ethnicity on groups and individuals. Appreciation of voices of peacemakers from both majority and minority groups. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

SOC372G • Religion in Society  
(fall, odd # yrs)  3 credits  
Cross-cultural and comparative study of selected perspectives on the social and cultural bases of religion in advanced industrial societies and non-Western cultures (e.g., Latin America; Africa; East, South, and Southeast Asia; and Eurasia). Characteristics of religious systems of myth, belief, practice, and ritual; the relationship between religious and other dimensions of social life; and the factors underlying the development, persistence, manipulation, and changing of religious organizations. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

SOC380G • Urbanization: Growth and Development  
(fall)  3 credits  
Examination of the rise of cities, their growth in the United States and worldwide, and their functions. Issues of housing, crime, gangs, governance, and other urban issues. Students visit various cities as part of course study. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

SOC386G • Social Inequality  
(spring)  3 credits  
Cross-cultural and comparative study of unequal distribution of valued and scarce social resources in advanced industrial and non-Western cultures (e.g., East and Southeast Asia, Latin America, Africa, and Eurasia). Issues of power, social mobility, lifestyle, and life chances in reference to socioeconomic status in society. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.
### Major in Reconciliation Studies (B.A.)

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<td>BIB308J*</td>
<td>Biblical Theology of Reconciliation</td>
<td></td>
</tr>
<tr>
<td>COM314G*</td>
<td>Gender Communication</td>
<td></td>
</tr>
<tr>
<td>GES312G*</td>
<td>Disability and Society</td>
<td></td>
</tr>
<tr>
<td>GES450P*</td>
<td>Reconciliation in a Racialized Society</td>
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<tr>
<td>HIS245L*</td>
<td>History of Women in America</td>
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</tr>
<tr>
<td>HIS324G*</td>
<td>Human Rights in International History</td>
<td></td>
</tr>
<tr>
<td>RES207U*</td>
<td>Martin Luther King Jr., Malcolm X, and Our Multicultural World</td>
<td></td>
</tr>
<tr>
<td>RES210UZ*</td>
<td>Leaders for Change: Jordan</td>
<td></td>
</tr>
<tr>
<td>SOC342G*</td>
<td>Race, Ethnicity, and Peacemaking</td>
<td></td>
</tr>
<tr>
<td>SOC386G*</td>
<td>Social Inequality</td>
<td></td>
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<tr>
<td>SOW327G*</td>
<td>Social Relations: Issues of Power and Privilege in the U.S.</td>
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<tr>
<td></td>
<td>Reconciliation Study Abroad Options (choose one option)</td>
<td>14-19</td>
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<tr>
<td>South Africa Term (Spring)</td>
<td>19 credits **</td>
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<tr>
<td>Guatemala Term (Spring)</td>
<td>14-15 credits</td>
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<tr>
<td>Middle East Studies Program of the CCCU (Fall, Spring)</td>
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**TOTAL 33-38**

### General Education

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>46-52</td>
</tr>
</tbody>
</table>

**TOTAL 122**

* Students must meet the requirements for study abroad program participation.
* A student may also choose to use this course to meet a General Education requirement.

** Enrollment in all courses in the South Africa Term requires the approval of the lead faculty member in reconciliation studies in order to count toward the major. RES201 Introduction to Reconciliation Studies is a prerequisite for South Africa Term.
### Major in Sociocultural Studies (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT242U*</td>
<td>Peoples and Cultures of the United States</td>
<td>3</td>
</tr>
<tr>
<td>ANT200U*</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOC101</td>
<td>Introduction to Sociology</td>
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</table>

#### Choose from:

- 3 credits from 300-level or above ANT courses
- 9 credits or above ANT, SOC, or SCS courses

### Anthropology Track

- ANT200U* Introduction to Anthropology
- 9 credits from 300-level or above ANT courses
- 9 credits or above ANT, SOC, or SCS courses

### Sociology Track

- SOC101 Introduction to Sociology
- 9 credits from 300-level or above SOC courses
- 9 credits or above ANT, SOC, or SCS courses

### Global & Urban Missions Track

- ANT371G* Christianity in Cross-Cultural Perspective
- ANT381G* Urbanism: A Way of Life
- BIB328 Theology of Mission
- SCS379G* Mission in the 21st Century
- SOC380G* Urbanization: Growth and Development of the Modern City

#### Choose from:

- ANT318G* The Urban Church
- ANT340GZ* Globalization in India
- ECO225L* The Redevelopment of Central City Neighborhoods
- REL401 Christianity and World Religions
- SCS330G* Local Development in Guatemala
- SOC372G* Religion and Society

### Holistic Development Track

- SCS317G* Social Change and Community Development
- SOC313G* Social Entrepreneurship
- SOC315 Social Responsibility in the Marketplace
- SOC342G* Race, Ethnicity, and Peacemaking
- SOC386G* Social Inequality

#### Choose from:

- ANT318G* The Urban Church
- ANT340GZ* Globalization in India
- ECO225L* Redevelopment of Central City Neighborhoods
- SCS330G* Local Development in Guatemala

---

General Education ................................................................. 51-52
Electives .................................................................................. 24-25

TOTAL 122

It is highly recommended that a student majoring in sociocultural studies take at least one year of a modern world language.

* A student may also choose to use this course to meet a General Education requirement.
Major in Third World Studies (B.A.)
(See Multidisciplinary section.)

Minor in Sociocultural Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<td>ANT242U*</td>
<td>Peoples and Cultures of the United States</td>
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<tr>
<td>Choose from:</td>
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<tr>
<td>ANT200U*</td>
<td>Introduction to Anthropology</td>
<td>3</td>
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<tr>
<td>SOC101</td>
<td>Introduction to Sociology</td>
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<tr>
<td>Choose from:</td>
<td></td>
<td>3</td>
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<tr>
<td>ANT241U*</td>
<td>Peoples and Cultures of Africa</td>
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<tr>
<td>ANT245U*</td>
<td>Peoples and Cultures of China</td>
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<tr>
<td>ANT314G*</td>
<td>Peoples and Cultures of Latin America</td>
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<tr>
<td>SCS350</td>
<td>Qualitative Research Methods</td>
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<td>SCS351</td>
<td>Quantitative Research Methods</td>
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<td>Electives from 200-level or above ANT, SOC, or SCS courses</td>
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* A student may also choose to use this course to meet a General Education requirement.

Minor in Cross-Cultural Mission

<table>
<thead>
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<tbody>
<tr>
<td>ANT371G*</td>
<td>Christianity in Cross-Cultural Perspective</td>
<td>3</td>
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<tr>
<td>BIB328</td>
<td>Theology of Mission</td>
<td>3</td>
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<tr>
<td>SCS202U*</td>
<td>Holistic Ministry and Human Needs</td>
<td>3</td>
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<tr>
<td>SCS379G*</td>
<td>Mission in the 21st Century</td>
<td>3</td>
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<tr>
<td>SCS389</td>
<td>Cross-Cultural Mission Practicum</td>
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<td>Choose one from:</td>
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<tr>
<td>REL200L*</td>
<td>Western Religious Traditions</td>
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<tr>
<td>REL205U*</td>
<td>Religions of India, China, and Japan</td>
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<tr>
<td>THE401</td>
<td>Christianity and World Religions</td>
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<tr>
<td>Choose one from:</td>
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<td>3</td>
</tr>
<tr>
<td>ANT318G*</td>
<td>The Urban Church</td>
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<tr>
<td>ECO225L*</td>
<td>The Redevelopment of Central City Neighborhoods</td>
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<tr>
<td>HIS217U*</td>
<td>Christianity in Latin America</td>
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<tr>
<td>REL225L*</td>
<td>New Religious Movements</td>
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<tr>
<td>(Other courses with a mission focus may be petitioned into this category.)</td>
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<tr>
<td>TOTAL</td>
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</table>

* A student may also choose to use this course to meet a General Education requirement.
## Minor in Reconciliation Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>RES201</td>
<td>Introduction to Reconciliation Studies</td>
<td>3</td>
</tr>
<tr>
<td>RES305</td>
<td>Conflict Resolution and Mediation Skills</td>
<td>3</td>
</tr>
<tr>
<td>RES499</td>
<td>Senior Seminar in Reconciliation Studies</td>
<td>4</td>
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<tr>
<td>Choose from:</td>
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<td>3</td>
</tr>
<tr>
<td>BIB308J*</td>
<td>Biblical Theology of Reconciliation</td>
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<tr>
<td>GES450P*</td>
<td>Reconciliation in a Racialized Society</td>
<td></td>
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<tr>
<td>RES207U*</td>
<td>Martin Luther King Jr., Malcolm X, and Our Multicultural World</td>
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<tr>
<td>SOC342G*</td>
<td>Race, Ethnicity, and Peacemaking</td>
<td></td>
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<tr>
<td>Choose from:</td>
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<td>3</td>
</tr>
<tr>
<td>ANT242U*</td>
<td>Peoples and Cultures of the United States</td>
<td></td>
</tr>
<tr>
<td>ANT371G*</td>
<td>Christianity in Cross-Cultural Perspective</td>
<td></td>
</tr>
<tr>
<td>ANT381G*</td>
<td>Urbanism: A Way of Life</td>
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<tr>
<td>ENL313</td>
<td>The Harlem Renaissance and Beyond</td>
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<tr>
<td>ENL315G*</td>
<td>Literature of the Oppressed</td>
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<tr>
<td>GES312G*</td>
<td>Disability and Society</td>
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<td>HIS210U*</td>
<td>Minorities in America</td>
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<tr>
<td>PSY308G*</td>
<td>Cross-Cultural Psychology</td>
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<tr>
<td>RES210UZ*</td>
<td>Leaders for Change: Jordan</td>
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<tr>
<td>SPA301U</td>
<td>Hispanic Cultures</td>
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<td>Choose from:</td>
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<tr>
<td>BIB309J*</td>
<td>A Biblical Theology of Poverty</td>
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<tr>
<td>BIB313J*</td>
<td>A Biblical Theology of Justice</td>
<td></td>
</tr>
<tr>
<td>COM314G*</td>
<td>Gender Communication</td>
<td></td>
</tr>
<tr>
<td>HIS245L*</td>
<td>History of Women in America</td>
<td></td>
</tr>
<tr>
<td>HIS324G*</td>
<td>Human Rights in International History</td>
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<tr>
<td>RES/SOC315</td>
<td>Social Responsibility in the Marketplace</td>
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</tr>
<tr>
<td>SOC386G*</td>
<td>Social Inequality</td>
<td></td>
</tr>
<tr>
<td>SOW327G*</td>
<td>Social Relations: Issues of Power and Privilege in the U.S.</td>
<td></td>
</tr>
</tbody>
</table>

* A student may also choose to use this course to meet a General Education requirement.

**TOTAL 19**
The Department of Art serves a valued role both in the cultural growth of the university community and in a student’s preparation in the visual arts as an undergraduate major. Three types of students are encouraged to counsel with the art faculty: those who seek to pursue a visual studies program as a central integrating element in their liberal arts education; those who wish to pursue a studio arts program in preparation for graduate or professional studies; and/or those who wish to pursue a major in art education leading to teaching licensure. The Department of Art offers majors in studio art, art education, and art history. Within the studio art major, students develop emphases with multiple level offerings. These include: ceramics, graphic design, painting, photography, printmaking, or sculpture.

In addition to a full set of course offerings in studio arts and art history, the Department of Art also manages gallery programs. Two galleries on campus, the Eugene and Leona Olson Gallery and the Eugene Johnson Gallery of Art, as well as the 9th Street Entry Gallery (downtown St. Paul) offer exhibitions in a wide range of media by ethnically diverse female and male artists of regional, national, and global reputations. The Visiting Artist Lecture Series is a rich component of the gallery programs, allowing students to interact with artists from the art community at large through formal lectures and informal dialogues. Enriching these on-campus programs is the department’s semester of study in New York City at Bethel’s New York Center for Arts and Media Studies (NYCAMs).

Student exhibitions are an integral part of the gallery programs. These function in tandem with sophomore, junior, and senior year reviews. The culminating experiences are the Senior Thesis Exhibitions and the juried Raspberry Monday Exhibition. Through these exhibitions, students and their works enter into a crucial involvement in the wider visual/verbal dialogue stimulated within the community by the gallery programs.

### COURSES

#### Foundation Studio Courses

**ART100A • Two-Dimensional Design**  
*(full, spring)* 3 credits  
Principles of two-dimensional design for an understanding of its nature and expressive possibilities, with the opportunity to develop a creative approach in working with its elements.

**ART101A • Three-Dimensional Design**  
*(full, interim, spring)* 3 credits  
Diverse materials, methods, and media are explored and developed into three-dimensional form with expressive intent.

**ART103A • Drawing**  
*(full, spring)* 3 credits  
Development of visual perception through observation, drawing, and a study of structural form and space relationships. Experiences in line, value, texture, basic perspective, and composition using various materials and techniques.

#### Studio Courses

**ART107A • Clay Forms**  
*(interim)* 3 credits  
A studio workshop for both art and non-art majors. Exploration of visual ideas in clay and of the creative process. Individual and group projects, along with discussions and critiques. Various hand-building techniques demonstrated. Emphasis placed on uniting color with form in utilitarian and non-utilitarian objects. Wheel throwing is not emphasized but is optional for those with previous experience.
ART108A • Ceramics  
(fall, spring)  3 credits
The craft and creative possibility of working in clay. Includes the methods of throwing on the wheel, hand-building techniques, glazing procedures, and kiln loading.

ART119A • Photography  
(fall, spring)  3 credits
Photography as a means of aesthetic and conceptual ideas within the fine arts, rather than for family and vacation snapshots. Includes technical instruction in camera operation, black and white film developing, and printing. Introduction to photo history and contemporary theory. A 35mm film camera with manual controls is required.

ART130A • Found Object Printmaking  
(occasionally interim)  3 credits
Personal and group explorations of basic, non-traditional, and invented printmaking techniques to create large-scale prints from found and fabricated materials.

ART203, 303, 403 • Drawing II, III, IV  
(fall)  4 credits/semester
Continued development of visual perception through observation, memory, and structural drawing. Drawing from a model, emphasizing figure composition in varied media and techniques. Prerequisite for ART203: ART103A. Prerequisite for ART303: ART203. Prerequisite for ART403: ART303.

ART206 • Sculpture  
(fall, spring)  4 credits
Basic sculptural concepts, processes, and materials within the studio experience. Modeling from life, casting, and carving are introduced. ART101A recommended but not required.

ART208, 308, 408 • Ceramics II, III, IV  
(fall, even # yrs, spring)  4 credits/semester
Use of clay as a medium for art forms. Instruction includes glaze formulation and study of kiln and firing techniques. Prerequisite for ART208: ART108A. Prerequisite for ART308: ART208. Prerequisite for ART408: ART308.

ART210 • Painting  
(fall, spring)  4 credits
Painting media and methods. Invention and investigation are stressed. Prerequisite: ART101A or ART103A.
ART211 • Printmaking  
(fall, spring) 4 credits  
Hand-printing processes with an emphasis on drawing and composition. Experience in such media as etching, woodcut, linocut, collagraphy, monotype, and color printing. Prerequisite: ART100A or ART103A.

ART212 • Graphic Design  
(fall, spring) 4 credits  
Graphic design, typography, communication, layout, and techniques related to printing. Prerequisite: ART100A or ART103A or consent of instructor.

ART215 • The Telling Image: Picture Bookmaking  
(occasionally) 3 credits  
Creation of an original picture book includes writing or selecting text and construction of a hard cover book. Study of the rich heritage of picture books and the relationship between word and image. Students use design, color mixing, and editing to produce a book with original images targeted for a specific readership. Prerequisite: ART100A or ART103A or consent of instructor.

ART216 • Functional Sculpture  
(fall, even # yrs) 4 credits  
A studio experience to explore the possibilities of function within a sculptural framework. Focus is on the issue of usefulness and its relationship to the larger art field.

ART219, 319 • Photography II, III  
(spring) 4 credits/semester  
Individual aesthetic and conceptual development within the photographic medium, a fine-tuning of printing skills, and investigation of photo history and critical theory (as it relates to photography). Prerequisite for ART219: ART119A or consent of instructor. Prerequisite for ART319: ART219 or consent of instructor.

ART306, 406 • Sculpture II, III  
(fall, spring) 4 credits/semester  
Self-directed studio research, with particular attention to individual conceptual development. Prerequisite for ART306: ART206 or ART216. Prerequisite for ART406: ART306.

ART310, 410 • Painting II, III  
(fall, spring) 4 credits/semester  
Advanced painting media and methods. Students are encouraged to develop their own artistic expression. Prerequisite for ART310: ART210. Prerequisite for ART410: ART310.

ART311, 411 • Printmaking II, III  
(fall, spring) 4 credits/semester  
Advanced work in selected media with emphasis on individual research and development. Prerequisite for ART311: ART211. Prerequisite for ART411: ART311.

ART320 • Digital Photography  
(fall) 4 credits  
Introduction to basic photography is combined with an emphasis on digital processing. Basic camera controls, lenses, lighting, and film are explored along with digital cameras and sophisticated photo manipulation software used to adjust, alter, collage, and layer images. Approaches to printing are investigated, and both a digital and a paper portfolio of photographs are produced. Prerequisite: ART212 or consent of instructor.

ART322 • Digital Imaging  
(spring) 4 credits  
Exploration of advanced image creation and manipulation software used in the production of digital illustration, motion graphics, and World Wide Web-based design. Vector graphics (Adobe Illustrator® and Macromedia Freehand®) and bitmap imaging (Adobe Photoshop®) software serve as the foundation for the creation of images that can be used in publication, animation for multimedia, video, and webpage design. Prerequisite: ART212 or consent of instructor.
ART324 • Digital Multimedia  
(fall) 4 credits  
Examines the concepts, strategies, and techniques of interactive electronic media. Students create “hypermedia” involving video and photographic images, illustrations, sound, text, speech, and animation. Explores the possibilities of interactivity on CD-ROM and websites designed for commercial, educational, and fine arts applications. Complex multimedia software are introduced, promoting further investigations in subsequent digital courses. Prerequisite: ART212 or consent of instructor.

ART481 • Internship in Art  
(fall or spring) 3-4 credits  
Educational and practical experience in applying understanding and skill in an off-campus, professional setting. An internship can be arranged in advertising studios, agencies, printmaking studios, artists’ studios, and art museums. Supervised by an art faculty member. Prerequisites: Seven studio art courses; major in art; consent of department.

ART499 • Senior Seminar/Thesis Exhibition  
(spring) 3 credits  
Development of creative independence in a studio experience. Culminates in the senior exhibition program or portfolio. Prerequisites: Major in art; consent of department.

**Art History Courses**

ARH201 • Religion and Art in Asia  
(spring, even # yrs) 3 credits  
Examination of artistic expressions of the major religious traditions of India, China, Japan, and Southeast Asia. Definitions of “religion” and “art” provide a guide for identifying and understanding Asian architecture, statuary, and paintings. Doctrinal and ritual elements of the major traditions are explained, and art that symbolizes and expresses these elements is analyzed. (Carries cross-credit in religious studies.)

ARH220 • Art History—Ancient Through Medieval  
(fall, odd # yrs) 3 credits  
Western art from the Prehistoric through the Gothic periods, dealing with those cultures that have been the basis of Western European art. Prehistoric, Egyptian, Ancient Near Eastern, Aegean, Greek, Roman, Early Christian, Romanesque, and Gothic art.

ARH221 • Art History—American Art  
(spring) 3 credits  
Painting, sculpture, and architecture of the United States from colonial times to World War II, with particular reference to European influences and indigenous qualities. Prerequisites: GES130 or GES145, 146.

ARH320 • Art History—Renaissance Through Rococo  
(spring) 3 credits  
Ideals and styles that mark the development of Western art from the early Renaissance in 14th century Italy, through subsequent movements in southern and northern European art, until the middle of the 18th century.

ARH321 • Art History—19th and 20th Century Europe  
(fall) 4 credits  
Development of modern art, beginning with Neoclassicism and Romanticism, through Realism, Impressionism, and Post-Impressionism in the 19th century. In the 20th century, the major movements of Cubism and its offshoots, Expressionism, Dadaism, and Surrealism.

ARH345 • Art History—Contemporary Art  
(fall, even # yrs) 3 credits  
A study of multiple developments of art in the contemporary period, defined as post-World War II to the present. Painting, sculpture, happenings, performance, conceptual art, mixed media art, video, and photography in America and Europe are investigated. “Marginalized” groups are also given attention as theoretical attitudes from Modernism through Postmodernism are explored. Prerequisite: ARH221 or ARH321 recommended. Cannot receive credit for both ARH345 and ARH346.
Art Education Course (see Department of Education)

EDU413 • Methods in Teaching K-12 Art

Off-Campus Offerings

ART120A • Photography in Spain (Spain Term, fall) 3 credits
Technical and conceptual acquaintance with the medium of photography and its vocabulary within the realm of high art. Includes camera operation, black and white film developing, black and white print processing, and print finishing. Course taught in Spanish. (Carries cross-credit in Modern World Languages.)

ART213UA • Japanese Culture through Printmaking (interim, occasionally) 3 credits
An introduction to Japanese woodblock printing techniques, which are used as a lens for studying Japanese culture and society. Japanese prints are viewed in the museums, galleries, and artists’ studios. Prerequisites: GES125 or GES145, GES146.

ART225, 325, 425 • Painting—Dominican Landscape (interim, occasionally) 3 credits
Painting using watercolor and mixed media in the Dominican Republic. Students explore the environment and document their ideas through creation of a hand-bound book or series of six matted paintings. Prerequisite: ART210 or consent of instructor.

ART375 • Directed Open Studio (fall, spring, NYCAMS) 4 credits
Open studio course focusing on the development of students’ critical thinking process and creative expression. Choice of medium and aesthetic direction are made individually. Guest lectures, readings, gallery field trips, and weekly class critiques provide students with valuable resources to develop their personal visions. Prerequisites: Two or more 200-level studio courses; enrollment in NYCAMS program in New York.

ART481 • Internship in the Arts (fall, spring, NYCAMS) 4 credits
An educational and practical experience in applied understanding and skill in an off-campus, professional setting. An internship can be arranged in advertising studios, art consulting agencies, artists’ studios, art galleries and museums, and other arts organizations. Prerequisite: Enrollment in NYCAMS in New York.

ARH330 • Art, Faith, and Culture (fall, spring, NYCAMS) 4 credits
A study of the theology, history, and practice of integrating the arts with Christian faith and cultures. Discussion of readings with frequent visits to the Metropolitan Museum of Art and the studios of internationally known artists. Prerequisites: A course in art history or a course in humanities 200 level or above; enrollment in NYCAMS program in New York.

ARH340 • A History of Christianity and the Visual Arts (spring, NYCAMS) 4 credits
Survey of the history of Christianity and the Western visual arts, exploring the theology and artistic practice of integrating the visual arts, Christian faith, and culture from Early Christian to contemporary art, with an emphasis on issues and models that can be applied in the present. Prerequisite: Enrollment in NYCAMS program in New York.

ARH346 • Contemporary Art History in New York (fall, spring, NYCAMS) 4 credits
A chronological overview of the major themes and movements in modern art beginning with Pollack’s “drip paintings” up to contemporary issues in art. Focus on placing contemporary themes in their recent historic context. Cannot receive credit for both ARH345 and ARH346. Prerequisite: Enrollment in NYCAMS program in New York.
**PROGRAMS**

**Major in Art (B.A.)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ART100A*</td>
<td>Two-Dimensional Design</td>
<td>3</td>
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<td>ART101A*</td>
<td>Three-Dimensional Design</td>
<td>3</td>
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<tr>
<td>ART103A*</td>
<td>Drawing</td>
<td>3</td>
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<tr>
<td>ART203</td>
<td>Drawing II</td>
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<td>ART206</td>
<td>Sculpture</td>
<td>4</td>
</tr>
<tr>
<td>ART210</td>
<td>Painting</td>
<td>4</td>
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<tr>
<td>ART211</td>
<td>Printmaking</td>
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<tr>
<td>ART216</td>
<td>Functional Sculpture</td>
<td>4</td>
</tr>
<tr>
<td>ART499</td>
<td>Senior Seminar/Thesis Exhibition</td>
<td>3</td>
</tr>
</tbody>
</table>

Art History courses (minimum 9 credits)

60-61

General Education

51-52

Electives

9-11

**TOTAL** 122

* A student may also choose to use this course to meet a General Education requirement.

NYCAMS Gallery Opening
### Major in Visual Arts Education K-12 (B.A.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART100A* Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART101A* Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART103A* Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART212 Graphic Design</td>
<td>4</td>
</tr>
<tr>
<td>ART499 Senior Seminar/Thesis Exhibition</td>
<td>3</td>
</tr>
<tr>
<td>Studio electives (minimum 14 credits, at least 8 of which must be 200 level or above)</td>
<td>14</td>
</tr>
<tr>
<td>Art History courses (minimum 9 credits)</td>
<td>9</td>
</tr>
</tbody>
</table>

Semester Total: 124-125 credits

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 124-125 credits.

Students majoring in visual arts education K-12 must cover six different studio areas with emphasis in two.

Students must earn a grade of C or better in each content area and education course (ART, ARH, EDU) in the major. Courses with grades of C- or lower must be repeated.

Each student majoring in visual arts education K-12 must fulfill the Speaking Competency in one of the art history courses. See course syllabus for details.

### Minor in Art (Studio Emphasis)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART100A* Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART101A* Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART103A* Drawing</td>
<td>3</td>
</tr>
<tr>
<td>Art History courses (minimum 6 credits)</td>
<td>6</td>
</tr>
<tr>
<td>Studio electives (minimum 7 credits, at least 3 of which must be 200 level or above)</td>
<td>7</td>
</tr>
</tbody>
</table>

Semester Total: 19

* A student may also choose to use this course to meet a General Education requirement.

### Minor in Art (Art History Emphasis)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART100A* Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART101A* Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART103A* Drawing</td>
<td>3</td>
</tr>
<tr>
<td>Art History courses (minimum 9 credits)</td>
<td>9</td>
</tr>
<tr>
<td>Studio or Art History elective (minimum 3 credits)</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Total: 18

* A student may also choose to use this course to meet a General Education requirement.
BIBLICAL AND THEOLOGICAL STUDIES

Biblical and theological studies form an essential part of a liberal arts education. They put students into contact with the historical foundations of the Christian faith in the Old and New Testaments and introduce the great doctrines of Christianity, which have been formulated in the church and have been expounded and debated by theologians past and present. They provide a forum in which the foundation and content of students’ faith can be examined and an opportunity for students to understand the teachings of the most significant world religions. Students in biblical and theological studies are also encouraged to see the value of learning one or more of the languages in which the Christian Scriptures were written (Greek and Hebrew).

Besides its service to students within the liberal arts curriculum, the Department of Biblical and Theological Studies aims to prepare students for seminary or other graduate studies in fields related to theology, to provide biblical and theological background for other ministries that students may enter without a graduate degree, and to enrich the life and ministry of the church by equipping educated laypeople with the tools for lifelong Bible study.

COURSES

**Biblical Studies Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB101</td>
<td>Introduction to the Bible</td>
<td>(fall, interim, spring)</td>
<td>3 credits</td>
</tr>
<tr>
<td></td>
<td>Traces the journey of God’s people from Abraham and Sarah through the New Testament church, highlighting the unifying self-disclosure of God in the various cultures and types of writing of the Old and New Testament. A holistic approach is used to introduce students to both historical and thematic content as well as broad, but basic exegetical principles.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIB210</td>
<td>History of Ancient Israel</td>
<td>(fall or spring)</td>
<td>4 credits</td>
</tr>
<tr>
<td></td>
<td>Focus on the history of the coastlands along the southern half of the eastern Mediterranean from the Early Bronze through the Maccabean eras, with an emphasis on the rise and history of ancient Israel. Prerequisite: BIB101.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIB217</td>
<td>Significance of the Old Testament for Today</td>
<td>(fall or spring)</td>
<td>3 credits</td>
</tr>
<tr>
<td></td>
<td>Emphasis on major foundational themes developed primarily in the Old Testament, including justice, covenant, and creation; and on areas that often seem problematic to modern Christians: holy war, capital punishment, imprecations, and oath-taking. Prerequisite: BIB101.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIB220</td>
<td>The Pentateuch</td>
<td>(occasionally)</td>
<td>4 credits</td>
</tr>
<tr>
<td></td>
<td>Mosaic books of the Old Testament, with particular interest in the Genesis account of world beginnings, the Patriarchs, the Exodus and founding of the nation of Israel, and the faith and religion of the Hebrews. Prerequisite: BIB101.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIB230Z</td>
<td>Israel Study Tour</td>
<td>(occasionally interim)</td>
<td>4 credits</td>
</tr>
<tr>
<td></td>
<td>Historical geography and on-site investigation of the Holy Land with emphasis on sites from the Early Bronze through Byzantine eras. Particular emphasis on sites that underlie the Hebrew Bible, the intertestamental period, and the New Testament. Prerequisite: BIB101.</td>
<td></td>
<td></td>
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<tr>
<td>BIB236</td>
<td>Archaeology of the Southern Levant</td>
<td>(occasionally)</td>
<td>3 credits</td>
</tr>
<tr>
<td></td>
<td>Objectives, history, methodology, and results of archaeology of the coastlands along the southern half of the eastern Mediterranean from the Early Bronze through Early Roman eras. Prerequisite: BIB101.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIB240</td>
<td>Topics in Biblical Studies</td>
<td>(occasionally)</td>
<td>3 credits</td>
</tr>
<tr>
<td></td>
<td>Study of a biblical area or topic. The specific subject is announced when the course is offered. Prerequisite: BIB101.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
BIB260 • The Life and Teachings of Jesus  (fall or spring) 4 credits
Main events of the life of Jesus and the form and message of His teaching in the light of first century Jewish culture. Use of the Old Testament in the gospels, the structure of the Gospels, and their literary genre. Prerequisite: BIB101.

BIB264Z • Greece-Turkey Study Tour  (occasionally interim) 4 credits
On-site investigation of the sites and regions that underlie the people, movements, and events of the Early Christian era. The area is examined in light of the historical, geographical, and rich cultural context of the classical Greek and Roman worlds. Prerequisite BIB101.

BIB265 • The Life and Teachings of Paul  (fall or spring) 4 credits
Life of Paul, his strategic role in the expansion of Christianity, and the contribution of his theology and thought as reflected in his writings. Prerequisite: BIB101.

BIB301J • The Faith of Abraham in Genesis, Paul, and James  (occasionally) 3 credits
The faith of Abraham as reflected in biblical and extra-canonical traditions, with emphasis on Genesis, Romans, Galatians, and the book of James. Attention to the theological and exegetical perspectives of the various documents, unity and diversity within the canon, and contemporary application. Prerequisites: BIB101; minimum sophomore standing.

BIB302J • Biblical Law in Christian Belief and Practice  (occasionally) 3 credits
Biblical law as an expression of the character and will of God; the form, content, and use of law throughout Scripture; and the relationship of law and grace. Modern viewpoints on the abiding relevance of biblical law for individuals and societies. Prerequisites: BIB101; minimum sophomore standing.

BIB304J • Messianic Concepts  (occasionally) 3 credits
Development of such terms as “Son of Man,” “Son of God,” and “Messiah” is traced from origins in Old Testament texts of poetry and prophecy to New Testament fulfillment in the Gospels and Epistles. Prerequisites: BIB101; minimum sophomore standing.

BIB305J • Sleep, Surrender, and Sabbath  (occasionally) 3 credits
The theology and ethics of rest from a biblical perspective. Focus on key passages in Scripture regarding sleep, dreams, and Sabbath. Exploration of topics such as creation, the human condition, divine relationality, human dependency, prayer, and social responsibility. Interdisciplinary approach, utilizing historical records of Sabbath practices, scientific research, and sociological analyses. Prerequisites: BIB101; minimum sophomore standing.

BIB306J • Covenant, Promise, and Fulfillment  (occasionally) 3 credits
Major covenants between God and humans in both the Old and New Testaments. Relationships between these covenants, especially regarding the theme of promise and fulfillment. Prerequisites: BIB101; minimum sophomore standing.

BIB307J • Jerusalem: Earthly City and Spiritual Symbol  (occasionally) 3 credits
Jerusalem as the means of studying God’s plans for worldwide redemption. The city where much of biblical history took place and that is symbolic of God’s earthly and heavenly kingdoms: its geography, history, and relationship to the several covenants in the Bible. Prerequisites: BIB101; minimum sophomore standing.

BIB308J • Biblical Theology of Reconciliation  (occasionally fall) 3 credits
The goal of reconciliation in personal and socio-political conflicts is examined in light of biblical texts relating to liberation from oppression, establishment of justice, practice of forgiveness, and promotion of peace. Prerequisites: BIB101; minimum sophomore standing.
BIB309J • A Biblical Theology of Poverty
(occasionally) 3 credits

BIB310J • Holiness in Biblical Perspective
(occasionally) 3 credits
Exegetical and theological foundations underlying the biblical notion of holiness in both the Old and New Testaments. Biblical texts in their historical-cultural context, with a view to uncovering the biblical notion of holiness and integrating it into a Christian worldview. Prerequisites: BIB101; THE201; minimum sophomore standing.

BIB311J • Worship in Biblical Perspective
(occasionally) 3 credits

BIB312J • Female and Male in Biblical Perspective
(occasionally) 3 credits
Significant Old and New Testament passages related to past and current discussions of gender, roles, and ministry in the church. Prerequisite: BIB101; minimum sophomore standing.

BIB313J • A Biblical Theology of Justice
(occasionally) 3 credits
Justice, in the full biblical sense, is employed as an integrating focus for the task of God on earth of restoring humankind. Elements of continuity and discontinuity between the Old Testament and New Testament. Location of each major block of biblical data in historical, literary, and social context. Prerequisites: BIB101; minimum sophomore standing.

BIB314J • The “Word” in Biblical Tradition
(occasionally) 3 credits
Use of the term “word” in its creative, redemptive, active, prophetic, and prescriptive significance in the Christian canon. Beginning with the concept of “word” in creation; through “The Word as Law” and “The Prophetic Word”; and ending with an emphasis on “The Incarnate Word” and the words of the cross, the preacher, and the sacraments. Prerequisites: BIB101; minimum sophomore standing.

BIB315J • God, Evil, and Spiritual Warfare
(occasionally) 3 credits
Study of God’s ongoing battle with spiritual forces from Genesis to Revelation. Origin, power, activity, and end of Satan and evil angels are traced throughout Scripture. Discussion of theological implications of these concepts in our understanding of providence and the problem of evil. Prerequisites: BIB101; minimum sophomore standing.

BIB316J • A Biblical Theology of Ministry
(occasionally) 3 credits
Investigation of the biblical understandings of ministry in both Old and New Testaments. Examination of foundational issues such as definitions of ministry, spiritual gifting for ministry, the role of the laity in ministry, motivation, and purpose of ministry. Not open to students who have taken YOM200. Prerequisites: BIB101; minimum sophomore standing.

BIB317J • Family in Biblical Perspective
(occasionally) 3 credits
Biblical perspective of family developed through an examination of family in ancient biblical cultures and a study of family in the Old and New Testaments. A biblical perspective will be integrated with an exploration of the cultural and historical influences on our contemporary understanding of family. Prerequisites: BIB101; minimum sophomore standing.

BIB319J • Eschatology: The Last Things
(occasionally) 3 credits
in the Church’s Scriptures
Examines what the Bible says about “the last things” in the Pentateuch, historical works, poetry, gospels, letters, and apocalypse. Includes careful exegesis of the Bible’s statements regarding the last things in order to learn how they functioned in their original setting, how they function in the canon of Scripture, and how they function in living out a Christian worldview today. Prerequisite: BIB101; minimum sophomore standing.
BIB321 • Issues in Biblical Studies  
(fall) 3 credits
Theoretical and practical introduction to academic study in biblical disciplines. Major theories that influence current study along with methods for research and investigation in these fields. Prerequisites: 200-level course in biblical studies; THE201; Interpreting Biblical Themes (J) course.

BIB326 • The Prophets of Israel  
(spring, even # yrs) 4 credits
The basic meaning of prophecy and the function of the prophets in Israel; analysis of the context and message of the great Hebrew prophets. Inductive studies bring out theological truths and relate them to the New Testament as well as to the Christian life as experienced today. Prerequisite: Interpreting Biblical Themes (J) course or a 200-level biblical studies course.

BIB328 • Theology of Mission  
(spring) 3 credits
Study of the biblical/theological issues of the church’s mandate to preach the gospel to all peoples. Examination of (1) the nature of the Christian mission; (2) Western cultural influences on the gospel message/mission; (3) an encounter with other cultural expressions of the gospel message/mission; and (4) the development of some basic skills for engaging in cross-cultural religious dialogue. Prerequisites: BIB101 or THE201; at least junior standing.

BIB331G • Cultural World of the New Testament  
(fall, even # yrs) 3 credits
Historical and cultural backgrounds of the New Testament in their Jewish, Greek, and Roman contexts. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

BIB334G • Cultural World of the Old Testament  
(fall, odd # yrs) 3 credits
Historical, cultural, and archaeological backgrounds of the Old Testament in their Ancient Near Eastern contexts. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

BIB336 • Poetic Books of the Old Testament  
(spring, odd # yrs) 4 credits
Doctrinal and devotional themes of Job, Psalms, Proverbs, Ecclesiastes, and Song of Songs. The literary structure of these books and of individual psalms, the nature of Hebrew poetry, and its use in the New Testament and the church. Prerequisite: Interpreting Biblical Themes (J) course or a 200-level biblical studies course.

BIB370 • Romans  
(spring, odd # yrs) 4 credits
A widely influential letter of Paul with emphasis on the themes of justification by faith, ethics (good works), and life in the Spirit. Discussion of the letter’s significance for original and contemporary readers. Prerequisite: Interpreting Biblical Themes (J) course or a 200-level biblical studies course.

BIB375 • First Corinthians  
(spring, even # yrs) 4 credits
Paul’s letter to the Corinthian church in its first century setting. Topics include sexuality, divorce, spiritual gifts, the Christian ministry, resurrection, and the contemporary application of these. Prerequisite: Interpreting Biblical Themes (J) course or a 200-level biblical studies course.

BIB440 • Topics in Biblical Studies  
(occasionally) 4 credits
Advanced course on a biblical area or topic. The specific subject is announced when the course is offered. Prerequisite: Interpreting Biblical Themes (J) course or a 200-level biblical studies course.

BIB499 • Seminar: Biblical Studies  
(spring) 4 credits
A selected topic in biblical studies related to a course theme. A major research project is followed by an oral and written presentation of its results. Prerequisites: BIB321; major in biblical and theological studies.
Biblical and Classical Language Courses

GRK101 • Introductory Biblical Greek I (fall) 4 credits
Study of New Testament Greek for beginning students. Use of the New Testament to build a basic vocabulary and understand the elements of grammar and syntax.

GRK102S • Introductory Biblical Greek II (spring) 4 credits
Continuation of the study of New Testament Greek for beginning students. Use of the New Testament to build a basic vocabulary and understand the elements of grammar and syntax. Prerequisite: GRK101.

GRK253 • Readings in New Testament Greek (fall) 4 credits
Readings in the Greek New Testament designed to develop the student’s basic knowledge of Greek grammar and enlarge his or her vocabulary. Prerequisite: GRK102S.

GRK371 • Advanced Greek Translation (spring) 4 credits
Translation and analysis of Greek passages, both biblical and classical, of moderate to considerable difficulty. Specific subject matter varies each term. Prerequisite: GRK253.

GRK498 • Seminar: Greek Exegesis (spring) 4 credits
Study of a selected book or representative passages in the Greek New Testament to increase the student’s exegetical skills. A major exegetical project is followed by an oral and written presentation of the results. Prerequisites: GRK253; BIB321.

HEB101 • Introductory Biblical Hebrew I (fall) 4 credits
Study of the Hebrew of the Old Testament. Designed for the beginning student. The Old Testament is used to build a basic vocabulary and to understand the language’s phonology, morphology, basic syntax, and semantics.

HEB102S • Introductory Biblical Hebrew II (spring) 4 credits
Study of the Hebrew of the Old Testament. Designed for the beginning student. The Old Testament is used to build a basic vocabulary and to understand the language’s phonology, morphology, basic syntax, and semantics. Prerequisite: HEB101.

LAT101 • Introductory Latin I (occasionally fall) 4 credits
Introduction to the spoken and written language and culture of ancient Rome.

LAT102S • Introductory Latin II (occasionally spring) 4 credits
Further study and use of the spoken and written language and culture of ancient Rome. Prerequisite: LAT101 or placement exam.

Theology Courses

THE201 • Christian Theology (fall, interim, spring) 3 credits
Investigates central themes of the Christian faith from a primarily systematic perspective. These themes are discussed both individually and in terms of the role each plays in worldview formation. Topics include Scripture (inspiration and inerrancy), God (Trinity), the person and work of Jesus Christ (incarnation and atonement), salvation (justification and sanctification), and last things (heaven and hell). Emphasis is placed on the unity and diversity of theological beliefs within Christianity, both past and present, and on the interrelationships between theological understanding, culture, and discipleship. Prerequisites: BIB101; sophomore standing or above.

THE235 • Current Theological Controversies (spring, odd # years) 3 credits
Study of a number of theological topics of contemporary interest or debate such as the Calvinism/Arminianism debate, the inerrancy of Scripture, the nature of divine foreknowledge, spiritual gifts, and end times controversies. Prerequisite: THE201.

THE240 • Topics in Theology (occasionally) 3 credits
Study of a theological area or topic. The specific topic is announced when the course is offered. Prerequisite: THE201.
THE256L • Christian Apologetics  
(fall or interim or spring)  
3 credits
Study of the intellectual viability of the Christian faith. Topics include the nature of apologetics and apologetic method, theological and philosophical arguments for and against the existence of God, and historical and philosophical arguments for and against the central beliefs of Christianity. Prerequisites: THE201; BIB101; GES130 or GES 145, 146.

THE263 • Christian Social Ethics  
(fall or spring)  
4 credits
Christian approaches to ethical problems within today’s society, such as the morality of war, poverty and welfare, homelessness, racism, and human sexuality. Roles of Christians and churches in response to these issues. Classical ethical approaches of utilitarianism, Kant, and social contract ethics. Prerequisite: BIB101.

THE311 • Early Church and Reformation Theology  
(fall)  
3 credits
The lives and theological contributions of great men and women of church history, from the early church through the Reformation. Prerequisite: BIB101.

THE312L • Post-Reformation and Contemporary Theology  
(spring)  
3 credits
Exploration and assessment of theological movements, ideas, and persons since the Reformation that have shaped the contemporary world, including Pietism, Wesley, Schleiermacher, Rauschenbusch, Pentecostalism, Barth, Bonhoeffer, liberation theology (feminist, black, and third world), and evangelicalism. Prerequisites: THE201 or GES245, 246; GES130 or GES145, 146.

THE325G• Christianity in the Non-Western World  
(occasionally)  
3 credits
Explores the historical and theological development of Christianity in distinctly non-Western contexts focusing especially on ancient and contemporary developments in Asia and Africa. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

THE401 • Christianity and the World’s Religions  
(occasionally)  
3 credits
Exploration of the historical and contemporary relationships of Christianity and various world religions, specifically focused at the theological level. Focus rotates from year to year emphasizing the interfaith dialogue between Christianity and one other world religious tradition. Carries cross-credit in religious studies. Prerequisites: BIB101; THE201.

THE431 • Advanced Topics in Systematic Theology  
(fall)  
3 credits
Research on a topic in the area of systematic theology. The specific topic will be announced when the course is offered. Past offerings include Doctrine of God, Christology, Ecclesiology, and Pneumatology. Prerequisite: THE201 or consent of the instructor.

THE432 • Advanced Topics in Historical Theology  
(spring, even # yrs)  
3 credits
Research on a topic in the area of historical theology. The specific topic will be announced when the course is offered. Past offerings include Barth and Bonhoeffer and History and Theology of Pietism. Prerequisite: THE201 or consent of instructor.

THE433 • Advanced Topics in Philosophical Theology  
(spring, odd # yrs)  
3 credits
Research on a topic in the area of philosophical theology. The specific topic will be announced when the course is offered. Potential topics include Arguments for God’s Existence, The Problems of Evil and Hell, and Science and Theology. Prerequisite: THE201 or consent of the instructor.

THE440 • Topics in Theology  
(occasionally)  
4 credits
Research course in the area of systematic theology. Content to be determined by the professor in conjunction with students majoring in biblical and theological studies. Usually, the course entails an advanced study of one of the major doctrines of the Christian faith. Prerequisite: THE201 or consent of instructor.

THE499 • Seminar: Theology  
(fall)  
4 credits
A selected topic in theology related to a course theme. A major research project is followed by an oral and written presentation of its results. Prerequisites: BIB321; THE312L.
### Major in Biblical and Theological Studies (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB321</td>
<td>Issues in Biblical Studies</td>
<td>3</td>
</tr>
<tr>
<td>THE311</td>
<td>Early Church and Reformation Theology</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BIB499</td>
<td>Seminar: Biblical Studies</td>
<td></td>
</tr>
<tr>
<td>GRK498</td>
<td>Seminar: Greek Exegesis</td>
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</tr>
<tr>
<td>THE499</td>
<td>Seminar: Theology</td>
<td></td>
</tr>
<tr>
<td>Choose from Old Testament:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>BIB210</td>
<td>History of Ancient Israel</td>
<td></td>
</tr>
<tr>
<td>BIB217</td>
<td>Significance of the Old Testament for Today</td>
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</tr>
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<td>BIB220</td>
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<tr>
<td>BIB230Z</td>
<td>Israel Study Tour</td>
<td></td>
</tr>
<tr>
<td>BIB236</td>
<td>Archaeology of the Southern Levant</td>
<td></td>
</tr>
<tr>
<td>BIB240</td>
<td>Topics in Biblical Studies (when topic is Old Testament)</td>
<td></td>
</tr>
<tr>
<td>HEB102S</td>
<td>Introductory Biblical Hebrew II</td>
<td></td>
</tr>
<tr>
<td>Choose from New Testament:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>BIB230Z</td>
<td>Israel Study Tour</td>
<td></td>
</tr>
<tr>
<td>BIB240</td>
<td>Topics in Biblical Studies (when topic is New Testament)</td>
<td></td>
</tr>
<tr>
<td>BIB260</td>
<td>The Life and Teachings of Jesus</td>
<td></td>
</tr>
<tr>
<td>BIB264Z</td>
<td>Greece-Turkey Study Tour</td>
<td></td>
</tr>
<tr>
<td>BIB265</td>
<td>The Life and Teachings of Paul</td>
<td></td>
</tr>
<tr>
<td>GRK253b</td>
<td>Readings in New Testament Greek</td>
<td></td>
</tr>
<tr>
<td>Choose from theology:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>THE235</td>
<td>Current Theological Controversies</td>
<td></td>
</tr>
<tr>
<td>THE240</td>
<td>Topics in Theology</td>
<td></td>
</tr>
<tr>
<td>THE256L</td>
<td>Christian Apologetics</td>
<td></td>
</tr>
<tr>
<td>THE263</td>
<td>Christian Social Ethics</td>
<td></td>
</tr>
<tr>
<td>Elective from 200-level biblical and theological studies courses</td>
<td>from the preceding lists or GRK102S Introductory Biblical Greek II</td>
<td>3-4</td>
</tr>
<tr>
<td>Choose from Old Testament:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>BIB326</td>
<td>The Prophets of Israel</td>
<td></td>
</tr>
<tr>
<td>BIB334G</td>
<td>Cultural World of the Old Testament</td>
<td></td>
</tr>
<tr>
<td>BIB336</td>
<td>Poetic Books of the Old Testament</td>
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<tr>
<td>BIB440</td>
<td>Topics in Biblical Studies (when topic is Old Testament)</td>
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<tr>
<td>Choose from New Testament:</td>
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<tr>
<td>BIB331G</td>
<td>Cultural World of the New Testament</td>
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<tr>
<td>BIB370</td>
<td>Romans</td>
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<tr>
<td>BIB375</td>
<td>First Corinthians</td>
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<td>BIB440</td>
<td>Topics in Biblical Studies (when topic is New Testament)</td>
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<tr>
<td>Choose from theology:</td>
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<tr>
<td>THE312L</td>
<td>Post-Reformation and Contemporary Theology</td>
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<tr>
<td>THE431</td>
<td>Advanced Topics in Systematic Theology</td>
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<tr>
<td>THE432</td>
<td>Advanced Topics in Historical Theology</td>
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<tr>
<td>THE433</td>
<td>Advanced Topics in Philosophical Theology</td>
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<td>THE440</td>
<td>Topics in Theology</td>
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<tr>
<td>Elective from 300- or 400-level biblical and theological studies courses</td>
<td>from the preceding lists or BIB328 Theology of Mission or THE401</td>
<td>3-4</td>
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<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>BIB328</td>
<td>Theology of Mission</td>
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<tr>
<td>THE401</td>
<td>Christianity and the World's Religions</td>
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Total Credit Hours: 122

--- continued on next page ---
* A student may also choose to use this course to meet a General Education requirement.

a May be considered either Old Testament or New Testament.
b A student may use GRK253 Readings in New Testament Greek to meet the 200-level New Testament requirement or may use HEB102S Introductory Biblical Hebrew II to meet the 200-level Old Testament requirement, but may not use both.

### Major in Third World Studies (B.A.)
(See Multidisciplinary section.)

### Major in Youth Ministry (B.A.)
(See Youth Ministry section.)

### Minor in Biblical and Theological Studies

<table>
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<tr>
<th>Semester</th>
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<tr>
<td>One 200-level New Testament course (see specific courses listed in major)</td>
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<tr>
<td>One 200-level theology course (see specific courses listed in major)</td>
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<tr>
<td>Choose two from:</td>
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<tr>
<td>One 300- or 400-level Old Testament course (see specific courses listed in major)</td>
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<tr>
<td>One 300- or 400-level New Testament course (see specific courses listed in major)</td>
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<tr>
<td>One 300- or 400-level theology course (see specific courses listed in major)</td>
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<td><strong>TOTAL</strong></td>
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### Minor in Biblical Greek

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<tr>
<td>Semester Credit Hours</td>
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<tr>
<td>GRK101 Introductory Biblical Greek I</td>
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<tr>
<td>GRK102S* Introductory Biblical Greek II</td>
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<tr>
<td>GRK253 Readings in New Testament Greek</td>
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</tr>
<tr>
<td>GRK371 Advanced Greek Translation</td>
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<tr>
<td>GRK498 Seminar: Greek Exegesis</td>
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* A student may also choose to use this course to meet a General Education requirement.

### Minor in Biblical Languages (Hebrew and Greek)

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<tr>
<td>GRK102S* Introductory Biblical Greek II</td>
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<tr>
<td>GRK253 Readings in New Testament Greek</td>
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<tr>
<td>Choose from:</td>
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<tr>
<td>GRK371 Advanced Greek Translation</td>
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<td>GRK498 Seminar: Greek Exegesis</td>
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</tr>
<tr>
<td>HEB101 Introductory Biblical Hebrew I</td>
<td>4</td>
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<tr>
<td>HEB102S* Introductory Biblical Hebrew II</td>
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<tr>
<td><strong>TOTAL</strong></td>
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* A student may also choose to use this course to meet a General Education requirement.

### Minor in Religious Studies
(See Religious Studies section.)
BIOLOGICAL SCIENCES

The programs in biology provide a broad background in the biological sciences with opportunity for greater depth of study and experience in selected areas. The curriculum is organized into environmental, organismic, cell-molecular, and integrated areas of study. Lectures and laboratories are designed to coordinate closely in content and provide meaningful laboratory experiences, especially in experimentation.

Students are prepared for a variety of graduate or career opportunities. Upon graduation, students majoring in biology typically attend graduate, medical, or dental schools and/or pursue careers in medical technology; teach science in elementary and secondary schools; do laboratory research; perform environmental science duties in government and private industry; or work in allied health areas.

COURSES

BIO101D • Principles of Biology  
(fall) 4 credits  
Basic principles of modern biology. Topics include the scientific method, biology of the cell, genetic principles, anatomy and physiology of humans, plant biology, and environmental biology. Laboratory experience is intended to illustrate these principles. Includes 3 lab hrs.

BIO103D • Human Biology  
(fall, spring) 4 credits  
Study of the biological aspects of the human species. Includes basic molecules of life, human cell biology, tissue types, anatomy and physiology of the 10 systems, human embryology and development, human genetics, nutrition, disease, and health, as well as human ecology and impact on the environment. Includes 3 lab hrs.

BIO105 • Medical Terminology  
(fall, spring) 2 credits  
Study of medical terms. Students study material independently and take proctored examination to demonstrate knowledge of medical language. Prerequisite: Permission of instructor.

BIO109D • General Biology  
(fall, spring) 4 credits  
Biological principles governing life processes. Topics include biological molecules, cells, metabolism, genetics, reproduction, and development with primary attention to mammalian organisms, tissues, organs, and life systems with reference to comparative anatomy and physiology. Includes 3 lab hrs. Intended for students pursuing allied health careers. Not intended for biology majors.

BIO112D • Introduction to Molecular and Cellular Biology  
(fall, spring) 4 credits  
An introduction to cellular and subcellular aspects of living organisms. Includes a study of basic chemistry, biological molecules, cells, enzymes, metabolism, classical genetics, and molecular genetics. Includes 3 lab hrs.

BIO113D • Introduction to Organismic Biology  
(fall, spring) 4 credits  
An introduction to how living things work. Focuses on two main themes: the correlation between structure and function, and the capacity of organisms to adjust their internal environment in response to short-term and long-term fluctuations in the external environment. Includes 3 lab hrs.

BIO114D • Introduction to Biodiversity, Ecology, and Adaptation  
(fall, spring) 4 credits  
An introduction to the diversity, interrelationships, and origins of living organisms. Focuses on three themes: an overview of kinds and diversity of organisms found in six kingdoms, the interaction of organisms with each other and their environment, and the change of organisms through time. Includes 3 lab hrs.
BIO116D • The Science of Birds  
(occasionally spring)  4 credits
An overview of the Minnesota avifauna and bird biology. Bird identification is discussed and practiced in the field. Selected topics from bird biology (migration, flight, reproduction, behavior, food, and conservation) are presented through lectures, numerous slide shows, and video movies. These topics provide an introduction to the prevailing themes in modern biology. Includes 3 lab hrs.

BIO117D • Introduction to Horticulture  
(occasionally fall)  4 credits
Basic principles and practices in the development, production, and use of ornamental, vegetable, and woody plants. Topics include plant growth, plant domestication, morphology, classification, world food crops, commodities, gardens, propagation, and agrochemicals. Includes 3 lab hrs.

BIO151N • Gender and the Brain  
(occasionally)  3 credits
Exploration of the impact of gender on self-image, view of the world, and others. Emphasis on biological factors (particularly neuroendocrine and fetal environmental interaction) that influence gender identity, orientation, and roles.

BIO201 • Human Anatomy  
(fall)  4 credits
Detailed study of the anatomy and histology of the human body in relation to its functional systems. Laboratory includes human cadaver prosections. Includes 3 lab hrs. Prerequisite: BIO102D, BIO109D, BIO112D, or declared Nursing major; one course in chemistry. A second course in chemistry is recommended. Not open to students who have taken BIO209.

BIO202 • Human Physiology  
(spring)  4 credits
Integration of basic principles of cell biology and mechanisms of physiology to the functions of the major organ systems of the human body, centered around the theme of homeostasis. Laboratory consists of physiological experiments designed to test student-developed hypotheses. Includes 3 lab hrs. Prerequisite: BIO201. A course in chemistry is recommended. Not open to students who have taken BIO209.

BIO207 • Microbiology  
(fall, spring)  4 credits
Microorganisms and viruses with respect to their structure, physiology, genetics, identification, control, host-parasite relationships, and exploitation by humans. Topics include pathogenic organisms and the events and products of vertebrate immune responses. Includes 3 lab hrs. Prerequisites: BIO109D, BIO112D, or declared Nursing major; one course in chemistry. A second course in chemistry is recommended.

BIO209 • Human Anatomy and Physiology  
(spring)  4 credits
Anatomy and physiology of the human body, with a major emphasis on the principle of homeostasis. Includes 3 lab hrs. Prerequisite: BIO101D, BIO103D, BIO109D, or BIO112D. One course in chemistry recommended. Not open to students who have taken BIO201 and BIO202.

BIO220 • Pathophysiology and Pharmacology  
(spring)  4 credits
An integrated exploration of pathophysiology and pharmacology. The functional changes that accompany a particular injury, syndrome, or disease are correlated with the study of drugs and their actions on the body. Laboratory consists of case studies employing microscopy, experiments, media links, and online interactive explorations. Includes 2 lab hrs. Prerequisites: BIO201, BIO202 (may be taken concurrently), two semesters of chemistry.

BIO301 • Wildlife Ecology and Management  
(spring, even # yrs)  4 credits
Analysis of terrestrial vertebrate populations, communities, and habitats. Exploration of how these analyses are applied to the manipulation, exploitation, protection, and restoration of animal populations and communities. Laboratory sessions will emphasize field investigation of animal populations and habitats with ecological and management techniques. Includes 3 lab hrs. Prerequisites: Two semesters of college biology, including BIO113D or BIO311; junior or senior standing. (Carries cross-credit in environmental studies.)
BIO302 • Human Ecology  
Interrelationships between humans and the natural environment. Overpopulation, resource use, and pollution studied from biological, social, and economic standpoints, and skill development in the critical examination of the impacts of humans and our technology on the natural world. Includes 3 lab hrs. Prerequisites: One year of biology; one year of chemistry.

BIO306 • Vertebrate Histology  
Microscopic structure of cells, tissues, and organs in vertebrate animals, with special emphasis on the way structural units are integrated. At all times efforts are made to correlate structure with specific physiological functions. Includes 3 lab hrs. Prerequisites: BIO112D; BIO113D.

BIO308 • Invertebrate Biology  
A survey of invertebrate groups from protozoa to prochordates with emphasis on organizational, functional, and ecological significance. Special attention is given to the morphology, life histories, and physiology of invertebrates within the context of survival in specialized environments. Includes 3 lab hrs. Prerequisites: BIO113D; BIO114D.

BIO310K • Human Impacts on Coral Reefs  
Travel to the Philippines and Hawaii to study exotic coral reefs and associated environmental issues. Coral reefs worldwide are currently subject to severe anthropogenic stress. Allows students to get in the water to see reefs firsthand, explore the science and human technology relating to coral reefs, and meet individuals who are working to address environmental problems. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in environmental studies.)

BIO311 • Ecology  
Structure and function of wild nature. Topics include interrelationships of organisms with their environments, factors that regulate such interrelationships, and various roles that humans play in modifying patterns and processes of nature at organism, community, and ecosystem levels. Laboratory consists of experimental work in field and laboratory, examining current hypotheses in ecological systems. Includes 3 lab hrs. Prerequisites: BIO113D; BIO114D or ENS102D.

BIO312 • Genetics  
Principles that control inheritance, with examples chosen from plant and animal research, population genetics, cytogenetics, molecular genetics, and current work on human genetics. Includes 3 lab hrs. Prerequisites: Two courses in chemistry; BIO101D or BIO112D.

BIO313 • Entomology and Parasitology  
A comparative study of the major invertebrate groups from anatomical, physiological, and ecological perspectives with attention to insects and parasitic invertebrates. Includes 3 lab hrs. Prerequisites: BIO113D; BIO114D.

BIO318K • Ecuador and the Galápagos Islands: Natural History and Future Prospects  
Travel from base in Quito throughout Ecuador and the Galápagos Islands, surveying the land, climate, plants, animals, homes, transportation, and industries, noting especially the impact of human culture, presence, and activities. Sites include the Amazon rainforest, Andean cloud forests, volcanic mountains, highlands, towns, cities, and the Galápagos Islands. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in environmental studies.)

BIO321 • Aquatic Biology  
Biological and physical aspects of natural, fresh-water ecosystems, including fish and other aquatic animals, aquatic plants, algae, and their interrelationships with each other and the unique aqueous environment in which they live. Laboratory examines Lake Valentine and other aquatic ecosystems near campus. Includes 3 lab hrs. Prerequisites: BIO112D; BIO113D; BIO114D.
BIO322 • Animal Behavior  (spring, odd # yrs)  4 credits
Behavior from primitive invertebrates to advanced mammals, highlighting trends in behavior systems. Natural setting studies in the ethology tradition, comparative psychology studies, and biosociological principles with their implications for human social systems. Includes 3 lab hrs. Prerequisite: One course in biology or PSY100. (Carries cross-credit in psychology.)

BIO341 • Cell Biology  (spring)  4 credits
The molecular organization and function of cells and their organelles. Understanding how cell biology information is obtained experimentally. Laboratory consists of research projects that utilize a variety of modern cell biology techniques and equipment. Includes 3 lab hrs. Prerequisites: Two courses in biology, including BIO112D; two courses in chemistry (organic recommended).

BIO348 • Neurobiology  (spring, odd # yrs)  4 credits
Nervous system of animals and humans. Includes comparative anatomy and physiology of humans with other vertebrates and invertebrates, as well as interactions of sensory, motor, and integrative mechanisms of nervous system control. Includes 2 lab hrs. Prerequisite: BIO101D, BIO103D, or BIO112D; BIO113D recommended.

BIO351 • Developmental Biology  (fall, even # yrs)  4 credits
The basic question of developmental biology is “How does a single fertilized egg give rise to all the different cell, tissue, and organ types of the adult organism?” The developmental processes that give rise to these different cell, organ, and tissue types along with the mechanisms underlying those processes are studied at the cellular, genetic, molecular, and biochemical levels. Laboratory work includes surgical manipulation of living organisms to elucidate developmental principles. Includes 3 lab hours. Prerequisites: BIO112D and one other biology course; two courses in chemistry.

BIO352 • Structure and Development of Vertebrates  (fall, odd # yrs)  4 credits
An integrated, systematic approach to embryology and comparative anatomy. Microscopic examination of representative vertebrate embryos and dissection of representative vertebrate types. Includes 3 lab hrs. Prerequisites: Two courses in biology, including BIO113D.

BIO361 • Plant Taxonomy and Ecology  (fall, odd # yrs)  4 credits
Identification and distribution of flowering plants, including field work, keying, and laboratory preservation. Biogeography and factors important in plant distribution. Includes 3 lab hrs. Prerequisite: One course in biology or consent of instructor.

BIO365 • Animal Physiology  (fall, odd # years)  4 credits
Function of animal nerves, muscles, hormones, circulation, respiration, excretion, digestion, and the ways these systems interact in processes of feeding, energetics, osmoregulation, metabolism, locomotion, biomechanics, and temperature regulation necessary for organismal survival. Laboratory consists of research projects examining current physiological questions and techniques. Includes 3 lab hrs. Prerequisites: BIO112D; BIO113D; BIO114D; CHE111D; CHE212.

BIO366 • Environmental Plant Biology  (fall, even # yrs)  4 credits
Introduction to the fundamentals of how plants grow, metabolize, and respond to their environment. Topics include: the conversion of light energy into chemical energy through photosynthesis and carbon fixation; nitrogen assimilation; water and mineral uptake and transport; phloem transport; and plant growth regulators, seed physiology, and plant and environmental stress interactions. Laboratory consists of some outdoor and off-campus investigations. Prerequisites: BIO113D; BIO114D; and a semester of chemistry.
BIO370 • Immunology  
(fall, odd # yrs) 4 credits
The basis of the immune system throughout the animal kingdom is the ability to recognize or discriminate “self” from “nonself.” The molecular and cellular mechanisms that allow organisms to recognize, control, and eliminate such “nonself” entities as bacterial pathogens, foreign tissue grafts, and even transformed (cancerous) cells. Includes 3 lab hrs. Prerequisites: BIO112D; BIO113D; two semesters of chemistry. BIO207, BIO312, or BIO341 is strongly recommended.

BIO375 • Endocrinology  
(spring, even # yrs) 4 credits
Processes by which hormones exert control over many aspects of development, growth, metabolism, and behavior. Topics include morphology and histology of endocrine organs, regulation of hormone output, chemical nature, and mechanism of action at the target tissue. Laboratory is largely experimental, using bioassay procedures and live animal studies. Includes 3 lab hrs. Prerequisites: BIO112D; BIO113D.

BIO378 • Molecular Biology  
(spring) 4 credits
Modern advanced molecular genetic research. Topics covered include regulation of gene expression during development, molecular biology of cancer, animal virology, eukaryotic gene organization, and methods in gene manipulation. Laboratory consists of research projects utilizing recombinant DNA/genetic engineering techniques. Includes 3 lab hrs. Prerequisites: BIO312; one additional biology course; CHE221; CHE222.

BIO386 • Biochemistry I  
(fall) 4 credits
Physical and chemical properties of living systems with an emphasis on macromolecular interaction, structure, and function. Structure, classification, purification, and function of nucleic acids, proteins, carbohydrates, and lipids, including membrane transport and enzymology. Laboratory techniques include: spectroscopy, chromatography, centrifugation, electrophoresis, and enzyme kinetics. Includes 3 lab hrs. Prerequisites: BIO112D; CHE221; CHE222. BIO341 recommended. (Carries cross-credit in chemistry.)

BIO390 • Ultrastructure  
(spring, even # yrs) 4 credits
Electron microscopy as a tool in the sciences with emphasis on its use in biological investigation. Students prepare a portfolio of micrographs on a variety of material. Demonstrations, discussions, seminars, field trips, and individual practice. Includes 3 lab hrs. Prerequisite: BIO112D.

BIO399 • Introduction to Research  
(fall) 1 credit
An introduction to research methodology in the biological sciences, with experience in the use of biological literature and an examination of how to distinguish and evaluate different types of scientific writing and presentations. Experience in the development of a research proposal. Prerequisites: Major in biology or related field; junior standing.

BIO481 • Internship in Biology  
(fall, spring) 3 credits
A learning/practicing experience in which the student applies biological understanding and skills in an off-campus professional setting. Prerequisites: Major or minor in biology; junior or senior standing.

BIO493 • Literature Review in Biology  
(fall, spring) 1 credit
Thorough review of the primary and secondary literature pertaining to a particular question, problem, or phenomenon in the biological sciences. Culminates in written report that is presented orally in BIO499. Prerequisites: BIO399; senior standing.

BIO495 • Biology Seminar  
(fall) 1 credit
Readings and discussions of topics that relate biology to one’s Christian faith. Prerequisites: BIO399; senior standing.
BIO496 • Biology Research  (fall, spring)  1 credit
Students collect original data through independent laboratory research or field research under the supervision of a faculty member. Prerequisite: BIO399.

BIO499 • Biology Symposium  (fall, spring)  1 credit
The presentation of scientific research and literature. Culminates in departmental symposium in which students present their original research or literature review. Prerequisite: BIO493 or BIO496.

Regular Summer Offering

BIO409 • Advanced Human Gross Anatomy  4 credits
For the undergraduate pre-health professions student. A regional approach to the study of anatomy through the supervised and directed student dissection of human cadavers. Identification of detailed structures and understanding their significance to the body. Prerequisite: One course in biology involving some dissection.

Science Education Course (see Department of Education)

EDU420 • Methods in Teaching 5-12 Science

Off-Campus Offerings

Au Sable Institute of Environmental Studies
Several courses in the environmental area are available during the interim and summer terms through the Au Sable Institute for Environmental Studies. Any summer or interim biology course may be used to fulfill the environmental requirement in the biology major. Summer term courses offered on a regular basis include Field Botany, Natural Resources Practicum, Animal Ecology, and Water Resources. See the Au Sable advisor in the Department of Biology for additional course offerings and further details.

See Office of Off-Campus Programs/International Studies for additional offerings.
### Major in Biology (B.A.)

<table>
<thead>
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<th>Course Code</th>
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<td>Introduction to Molecular and Cellular Biology</td>
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<td>BIO113D*</td>
<td>Introduction to Organismic Biology</td>
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<tr>
<td>BIO114D*</td>
<td>Introduction to Biodiversity, Ecology, and Adaptation</td>
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<td>BIO399</td>
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<td>BIO495</td>
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<td>BIO493</td>
<td>Literature Review in Biology</td>
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<td>BIO496</td>
<td>Biology Research</td>
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<tr>
<td>BIO499</td>
<td>Biology Symposium</td>
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<td>BIO301</td>
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<td>BIO308</td>
<td>Invertebrate Biology</td>
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<td>BIO310K*</td>
<td>Human Impacts on Coral Reefs</td>
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<td>BIO311</td>
<td>Ecology</td>
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<td>Ecuador and the Galápagos Islands: Natural History and Future Prospects</td>
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<td>BIO321</td>
<td>Aquatic Biology</td>
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<td>Animal Behavior</td>
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<td>BIO361</td>
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<td>BIO366</td>
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<td>BIO306</td>
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<td>BIO352</td>
<td>Structure and Development of Vertebrates</td>
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<td>BIO365</td>
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<td>BIO375</td>
<td>Endocrinology</td>
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<td>BIO207</td>
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<td>BIO378</td>
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<td>BIO390</td>
<td>Ultrastructure</td>
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<td>TOTAL</td>
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* A student may also choose to use this course to meet a General Education requirement.
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<tr>
<td>BIO114D*</td>
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<tr>
<td>BIO399</td>
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<td>Wildlife Ecology and Management</td>
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<td>Ecuador and the Galápagos Islands:</td>
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<td></td>
<td>Natural History and Future Prospects</td>
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<td>BIO386</td>
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<tr>
<td>BIO390</td>
<td>Ultrastructure</td>
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<tr>
<td>CHE111D*/CHE212</td>
<td>General Chemistry I and II</td>
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<td>CHE210D*</td>
<td>Accelerated General Chemistry, plus one additional biology course numbered 200 or greater</td>
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<td>CHE222</td>
<td>Organic Chemistry II</td>
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<tr>
<td>PHY200D*/PHY205</td>
<td>Introductory Physics I and II</td>
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<tr>
<td>PHY290D*/PHY295</td>
<td>General Physics I and II</td>
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<td>Pre-Calculus</td>
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<td>MAT124M*</td>
<td>Calculus I</td>
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<tr>
<td>MAT125</td>
<td>Calculus II</td>
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<td>MAT131M*</td>
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<tr>
<td>or PSY230M*</td>
<td>Introduction to Statistical Methods and Experimental Design</td>
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Electives from 200-level or above biology courses
(at least 3 of which must be 300 level) ..............................................................16

71-72

General Education ............................................................................................51-52
Electives ...........................................................................................................0

TOTAL 122-123**

* A student may also choose to use this course to meet a General Education requirement.
** Because of possible double counting between General Education and the major, the total of 122 credits can include up to 7-8 credits of electives.

Major in Science Education 5-12:
Life Science Emphasis (B.A.)

<table>
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<th>Semester</th>
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<tr>
<td>BIO399, 495, 496, 499</td>
<td>Introduction to Research/Biology Seminar/Research/Symposium</td>
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Choose from environmental area: .................................................................4

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Courses from Au Sable Institute of Environmental Studies

Choose from organismic area: .................................................................4

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Choose from cell and molecular area: .......................................................4

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<td>General Chemistry II</td>
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<tr>
<td>GEL167D*</td>
<td>Geology</td>
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— continued on next page —
Major in Biochemistry/Molecular Biology (B.S.)

(See Multidisciplinary section.)

Minor in Biology

Choose two from:

- BIO112D* Introduction to Molecular and Cellular Biology ..................................................8
- BIO113D* Introduction to Organismic Biology
- BIO114D* Introduction to Biodiversity, Ecology, and Adaptation

Electives from 200-level or above biology courses or the 100-level course not taken in the above “choose from” list .................................................................12

TOTAL 20

* A student may also choose to use this course to meet a General Education requirement.

Pre-medicine and Other Healthcare Professional Programs

(See Pre-professional section.)
The purpose of the Department of Business and Economics is to engage students, staff, and faculty in the learning, teaching, and application of business and economic knowledge to increase the well-being of humankind. This is achieved by serving, being creatively involved with God and His creation, and pursuing the principles of love and justice in a diverse and complex world. As such, the department offers three majors: (1) business, which builds on a core of courses and is completed with an emphasis in marketing, international business, human resources management, finance, or accounting; (2) economics and finance; and (3) economics. In addition to the prescribed course work, students are required to complete an internship in their area of interest. The minor in business or economics also complements majors chosen from other departments.

Studies prepare students for careers in business, government, and the not-for-profit sectors of the economy, as well as for graduate work in business, economics, public policy, and law.

### COURSES

#### Business Courses

**BUS100M • Business Calculus** *(fall, spring)* 3 credits
A non-trigonometric-based introduction to the concepts of the derivative and the integral with a focus on applications in business and economics. Prerequisite: At least two years of high school algebra.

**BUS105 • Information Technology and Applications** *(fall, spring)* 3 credits
A basic understanding of computer technology, information technology, and business applications software. Students gain a working knowledge of computerized spreadsheets, databases, presentation software, and webpage design.

**BUS110 • Personal Finance** *(offered occasionally)* 3 credits
Management and planning of personal and family finances. Emphasis given to budgeting, investments, individual income tax, and insurance.

**BUS130 • Business Problem Solving** *(fall, spring)* 3 credits
A foundation for understanding and solving business and economic problems. An introduction to business and economic concepts, terminology, and problems along with the mathematical skills needed to solve problems. Emphasis on understanding problems, solutions, and decision making, as well as beginning the development of critical-thinking skills needed for success in business and economics.

**BUS200 • Personal Taxation Assistance** *(interim)* 3 credits
A practical study of taxation through the eyes of the poor, elderly, and recent immigrants. Students gain an understanding of an urban community and barriers that keep residents from filing tax returns. Tax return preparation for the poor, elderly, and recent immigrants is studied. Prerequisite: BUS210.

**BUS202Z • Introduction to International Business** *(interim)* 3 credits
An introduction to international business involving off-campus study to expose students to critical concepts and the day-to-day practice of global business. Students interact with a culture through a series of activities. The countries under study vary from year to year.

**BUS208 • Business Writing** *(fall, spring)* 4 credits
Preparing memos, business letters, reports, graphs, tables, resumes, and other media for presenting specialized information, including a long, business-oriented project. Emphasis on developing an easily readable, exact, and factual style. Includes writing and observing exercises, presentations, and grammar review where needed. Prerequisite: GES110 or GES245.
BUS210 • Financial Accounting *(fall, spring)* 4 credits
Basic financial accounting concepts and their application to the recording and reporting of business events. Prerequisite: BUS100M or BUS130 or MAT124M.

BUS220 • Principles of Marketing *(fall, spring)* 4 credits
Role of marketing in society and the economy. The business firm as a marketing system. Management of the firm’s marketing effort. Prerequisites: BUS100M, BUS130, or MAT124M; ECO201. (May be taken concurrently.)

BUS230 • Principles of Management *(fall, spring)* 4 credits
Fundamentals of managerial activities: planning, organizing, leading, and controlling organizational activity. Prerequisite: BUS100M or BUS130 or MAT124M.

BUS231 • Human Resources Management *(fall)* 3 credits
Role of human resource management within organizations. Overview of human resource planning, job analysis, staffing and selection training, development, compensation and benefits, and employee relations. Understanding how employment and discrimination law impacts the workplace. Prerequisite: BUS230.

BUS233 • Principles of Project Management *(interim, offered occasionally)* 3 credits
Explanation of the theory and practice of effective project management, including project planning, risk analysis, execution/implementation, and control. Explores project management styles, critical success factors, organizational support systems that enhance projects, project authority and politics, and ethics in project execution. Uses project management software to develop and track project plans for class case studies and project simulations. Prerequisite: BUS105 or consent of instructor.

BUS300 • Topics in Business and Administration *(offered occasionally)* 3 credits
Special topics in business, particularly as they relate to current issues and contemporary developments. Specific topics and prerequisites announced in advance of registration. Prerequisite: Related courses as specified.

BUS306 • Public Administration *(spring)* 3 credits
How public policy is put into effect through the administrative agencies of government, the management problems of such agencies, and their relations with the public. Prerequisite: POS100 American Politics and Government recommended. (Carries cross-credit in political science.)

BUS307 • Psychology of Investing *(interim, offered occasionally)* 3 credits
The study of the psychology of investing utilizing behavioral finance theory: the concepts surrounding socially responsible investing. One week of the course provides a hands-on learning experience at a Twin Cities investment banking firm developing and applying investment analysis skills. Prerequisite: BUS390 or consent of instructor.

BUS310 • Intermediate Accounting I *(fall)* 4 credits
Theories of accounting, accounting practice related to current asset measurement, and reporting. Analysis and evaluation of the measurement and reporting on noncurrent assets and current liabilities. Prerequisite: BUS210.

BUS311 • Intermediate Accounting II *(spring)* 4 credits
Current and alternative accounting theories relating to long-term liabilities, stockholders’ equity, special income determination problems, and other accounting topics of current interest. Prerequisite: BUS310.

BUS312Z • Federal Income Taxes *(spring)* 3 credits
Current federal income tax law as it pertains to individuals, corporations, and partnerships. Includes the concept of taxable income and covers tax planning and tax determination within the provisions of the law. Prerequisite: BUS210. BUS200 recommended.
BUS313 • Strategic Managerial Accounting  
(occasionally fall, spring) 3 credits
Compilation and utilization of internal accounting information for managerial decision making. Prerequisite: BUS210.

BUS315 • Sales and Sales Management  
(occasionally) 3 credits
Emphasizes the concepts and practices of selling and sales management. Provides a guide for preparing sales presentations, one-on-one selling techniques, persuasive communication, oral and verbal presentation skills useful for one-to-one presentations, and the unique concepts of managing a sales team. Prerequisite: BUS220.

BUS318G • Global Marketing  
(fall, spring) 3 credits
Study of marketing concepts and decision-making processes relative to individuals and firms engaged in the global marketplace. An examination of key strategies of global marketing and mission-critical variables including cultural distinctives, role of language and values, politics and laws, pricing norms, product values, and promotional environment. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course; BUS220. One business course recommended.

BUS319 • Advertising and Sales Promotion  
(fall, spring) 3 credits
Principles and techniques of advertising, sales promotion, and public relations. Considers customer motivation, ad copy, physical layout of ads and promotional pieces, media selection, advertising budgets, and coordination of advertising and sales promotion campaigns. Prerequisite: BUS220.

BUS321 • Marketing Research  
(fall, occasionally spring) 3 credits
Marketing research methods, including design, sampling, data collection, and report writing. A research design project is an integral part of the course. Prerequisites: BUS220; MAT131M Statistical Analysis.

BUS324 • Consumer Behavior  
(fall, spring) 3 credits
A systematic examination of the behavioral, economic, cultural, and systemic factors that influence the behavior of the consumer. Students read relevant research in consumer behavior and design and complete a series of projects exploring the major course topics. Prerequisite: BUS220.

BUS330 • Compensation Theory and Practice  
(fall) 3 credits
Compensation and reward practices in organizations’ wage and salary administration. Theories of design and implementation of pay programs using job evaluation, salary surveys, job and skill-based pay, incentive pay, and other compensation systems. Prerequisite: BUS231.

BUS331 • Staffing, Training, and Development  
(spring) 3 credits
Theories and strategies for maximizing the potential of an organization’s workforce. Explores methods for recruiting and selecting employees, orienting them to an organization, using training to properly equip them for their positions, and facilitating career development. Hands-on approach to designing and analyzing surveys, selection tests, and needs assessments. Prerequisite: BUS231.

BUS332 • Entrepreneurship  
(spring) 3 credits
Practical problems associated with starting and operating a small business, including feasibility analysis, legal and financial aspects, accounting, marketing, and personnel management. Prerequisites: Three of the following: BUS210, BUS220, BUS230, ECO201, or consent of instructor.

BUS333 • Entrepreneurship Strategies and Tools  
(fall) 3 credits
Strategic and tactical tools associated with starting and operating a small or entrepreneurial business. Students develop an understanding of how to move from the development of a business plan to actually financing and running a small business. Prerequisite: BUS332.
BUS335 • Organizational Behavior  **(spring)**  3 credits
Factors that influence the effectiveness of organizations. Topics include the role of the individual (motivation, personality, learning, work-related attitudes), the group (teamwork, conflict and cooperation, communication), and the organization (organizational design and structure, culture, change processes) in organizational performance. Prerequisite: BUS230.

BUS340 • Globalization in India  **(occasionally)**  3 credits
Intensive study of globalization. Focus on the process of globalization through exploring the participation in the world economic, cultural, and social systems by individuals and communities at multiple levels of involvement – North American, Indian national elites, factory owners and workers, and the poor. Seek understanding of how globalization is affecting the lives of persons and communities at each level. Explore personal responsibility and involvement in the changing world of globalization. Prerequisites: GES130 Christianity and Western Culture or GES145; GES146 Western Humanity in Christian Perspective I and II; Contemporary Western Life and Thought (L) course or GES245 Western Humanity in Christian Perspective III; World Cultures (U) course; consent of instructors.

BUS344 • Managerial Finance  **(fall, spring)**  4 credits
Principles of financial management, including financial analysis, capital structures, working capital management, and investment decisions. Prerequisite: BUS210.

BUS348 • Organizational Communication  **(fall)**  3 credits
Communication practices and problems found in organizations. Communication concerns related to organizational structure, conflict, effectiveness, roles (emphasizing leadership), work processes, and decision making. Interviewing as an organizational practice and as a research tool. Prerequisites: COM110N; COM220. BUS230 recommended. (Carries cross-credit in communication studies.)

BUS361 • Business Law  **(full, spring)**  3 credits
An introduction to the legal aspects and general structure of business dealings. Topics include an overview of the American legal system, general contract law, pertinent parts of the Uniform Commercial Code, and various forms of business organizations. Some aspects of employment and real estate law are also covered. Prerequisites: BUS230 and one other 200-level business course.

BUS370G • International Business  **(fall, spring)**  3 credits
International business as a bridge between diverse social systems. A panorama of the most important activities in international business and a framework for thinking about them from the perspective of the company manager. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course. One business course recommended.

BUS371G • International Business in Europe  **(occasionally)**  4 credits
International business as a bridge between diverse social systems. A panorama of the most important activities in international business and a framework for thinking about them from the perspective of the company manager. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course; enrollment in the Europe Term. One business course recommended.

BUS390 • Investments  **(fall, spring)**  4 credits
Characteristics and interrelationships of investments, the operation and regulation of the markets, analysis of risk and return, valuation of speculative assets, portfolio planning, and timing and trading strategies. Prerequisite: BUS344.

BUS410 • Advanced Accounting  **(fall)**  3 credits
Principles and problems relating to partnerships, international accounting, consolidated financial statements, corporate mergers, and governmental accounting. Prerequisite: BUS311.
BUS414 • Auditing Principles and Procedures  (spring) 4 credits
Auditing objectives, standards, and procedures employed in the examination of business enterprises and verification of their financial statements. Includes an evaluation of internal control, preparation of work papers, report writing, professional ethics, and current trends. Prerequisites: BUS311 and senior standing.

BUS420 • Marketing Seminar  (full, spring) 3 credits
Capstone course in the marketing emphasis. Main course elements include case study analysis where students integrate prior course knowledge with relevant brand examples. Students utilize critical and ethical analysis of marketing practices and develop marketing strategies and plans with a real client. Prerequisites: Two of the following: BUS315, BUS318, BUS319, BUS321, or BUS324; senior standing.

BUS430 • Strategic Management  (full) 3 credits
Strategy and policy formulation and implementation from the general manager’s perspective. Includes written and oral analyses of comprehensive cases involving multifunctional applications. Prerequisite: Completion of all required business courses.

BUS440 • Capital Markets  (full, spring) 3 credits
Comprehensive overview of the capital markets with an emphasis on major financial institutions and international financial centers. Evaluation of managing risk within the context of the capital markets in both a domestic and a global economy. Prerequisite: BUS390 or consent of instructor.

BUS450 • Advanced Topics in Organizational Communication  (interim, offered occasionally) 3-4 credits
Advanced studies in organizational communication, with the specific topic announced prior to registration. Possible topics may include public relations, corporate communication, consulting, training and development, or media relations. Emphasis will be given to exploring current issues from both a theoretical and hands-on perspective. This course may be repeated if a different topic is emphasized. Prerequisite: COM348 or consent of instructor. (Carries cross-credit in communication studies.)

BUS470 • Finance Seminar  (full, spring) 3 credits
Capstone course in the finance emphasis. Systematic examination of financial, economic, cultural, ethical, and systemic factors that influence financial decision making. Through a case study approach, students integrate the theories and practices learned in other finance courses. Use of Excel to complete detailed analysis. Prerequisites: BUS344; BUS390 (may be taken concurrently).

BUS475 • Seminar in Entrepreneurship  (spring) 3 credits
Development of an individualized and intensive personal business plan as major course project. Plan is submitted to a panel of entrepreneurs to evaluate as part of a competition. Seniors are evaluated on their written plan, their presentation, and the overall viability of the proposed new venture. Includes ethical discussions, entrepreneurial guest speakers, and case analyses of entrepreneurial ventures. Prerequisites: BUS332 and BUS333.

BUS481 • Internship in Business  (full, spring, summer) 3-4 credits
A learning/practicing experience to apply understanding and skills in an off-campus professional setting. Prerequisites: Major or minor within the business and economics department; consent of department. Grading: S/U.

BUS493 • Human Resources Management Seminar  (spring) 3 credits
Capstone course in human resources management emphasis. Integration of theories and practices learned in other courses through casework and practical exercises focused on equipping students to enter the HR labor market. Examines ethical questions that influence HR decision making. Prerequisite: Senior standing in the HR emphasis.
### Economics Courses

**ECO200 • Economics of Public Policy Analysis**  
(spring) 3 credits  
Economic analysis of government programs, focusing on programs that provide essential services or financial assistance to the needy. Emphasis on careful definition of goals, measuring success, and evaluation of alternatives. Note: Students may not receive credit for both ECO200 and ECO201.

**ECO201 • Principles of Economics**  
(fall, spring) 4 credits  
Economic reasoning and concepts. Includes an examination of the role of a price system in allocating resources and income, government policies for dealing with unemployment and inflation, and moral questions raised by the free enterprise system. Note: Students may not receive credit for both ECO200 and ECO201.

**ECO225L • The Redevelopment of Central City Neighborhoods**  
(spring) 3 credits  
The holistic redevelopment of low-income communities using models and ideas from various disciplines: community development, urban planning, economics, federal and state government, and for-profit businesses. Prerequisites: GES130 or GES145, GES146.

**ECO301 • Intermediate Microeconomics**  
(fall, spring) 3 credits  
Models of consumption, production, and pricing in competitive and noncompetitive markets. Prerequisites: ECO201.

**ECO302 • Intermediate Macroeconomics**  
(fall, spring) 3 credits  
Models of real output and monetary behavior. Policies affecting unemployment, inflation, and economic growth. Prerequisites: ECO201.

**ECO305 • International Trade and Finance**  
(spring) 3 credits  
Evaluation of alternative trade policies (free trade, tariffs, and nontariff barriers) and the international financial system (foreign exchange rates and balance of payments). Prerequisite: ECO201.

**ECO310 • History of Economic Thought**  
(offered occasionally) 3 credits  
Economic thinking from Smith to Keynes. Emphasis on both history and philosophy of the evolution of economic thought. Prerequisite: ECO201.

**ECO320G • Economic Development of Less-Developed Countries**  
(fall) 3 credits  
Evaluation of economic policies to promote economic development in low- and middle-income countries. Emphasis on the potential for growth that is both fair and sustainable. Prerequisites: GES130 or GES145, GES146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

**ECO340 • Econometrics**  
(spring) 4 credits  
Computer-aided estimation of business and economic relationships. Understanding correct use of multiple regression analysis in testing hypotheses using time-series and cross-sectional data. Prerequisites: ECO301; ECO302 (one of two can be taken concurrently with ECO340); MAT131M; and a college-level calculus course.

**ECO401 • Advanced Economic Theory**  
(fall) 3 credits  
Mathematical treatment of economic theory, emphasizing calculus. Prerequisites: ECO301; ECO302; college-level course in calculus; senior standing or consent of instructor.

**ECO499 • Senior Seminar**  
(fall) 3 credits  
The integration of Christian faith with the theory and practice of business and economics. Prerequisites: Senior standing; economics major or minor, or economics and finance major.

### Education Courses (see Department of Education)

**EDU416 • Methods in Teaching 5-12 Business**
## Major in Business (B.A.)

### Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS100M*</td>
<td>Business Calculus</td>
<td>3</td>
</tr>
<tr>
<td>BUS130</td>
<td>Business Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>BUS105</td>
<td>Information Technology and Applications</td>
<td>3</td>
</tr>
<tr>
<td>BUS210</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS220</td>
<td>Principles of Marketing</td>
<td>4</td>
</tr>
<tr>
<td>BUS230</td>
<td>Principles of Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS344</td>
<td>Managerial Finance</td>
<td>4</td>
</tr>
<tr>
<td>BUS481d</td>
<td>Internship in Business or Internship in Business: Accounting</td>
<td>3-4</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics</td>
<td>4</td>
</tr>
<tr>
<td>MAT131M*</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one from the following emphases: 24-30

- **Accounting Emphasis (30 credits):**
  - BUS200: Personal Taxation Assistance
  - BUS310: Intermediate Accounting I
  - BUS311: Intermediate Accounting II
  - BUS312Z*: Federal Income Taxes
  - BUS313: Strategic Managerial Accounting
  - BUS361: Business Law
  - BUS410: Advanced Accounting
  - BUS414: Auditing Principles and Procedures
    - Economics elective, including ECO301 and above

- **Entrepreneurship Emphasis (27 credits):**
  - BUS231: Human Resource Management
  - BUS332: Entrepreneurship
  - BUS361: Business Law
    - Choose one from:
      - BUS319: Advertising and Sales Promotion
      - BUS324: Consumer Behavior
      - BUS333: Entrepreneurship Strategies and Tools
      - BUS475: Seminar in Entrepreneurship
      - ECO301: Intermediate Microeconomics
    - Electives from business and/or economics courses e
      - (minimum 9 credits; maximum 3 credits at the 100-200 level)

- **Finance Emphasis (25-26 credits):**
  - Choose from:
    - BUS310: Intermediate Accounting I
    - BUS313: Strategic Managerial Accounting
    - BUS390: Investments
    - BUS440: Capital Markets
    - BUS470: Finance Seminar
    - ECO302: Intermediate Macroeconomics
  - Electives from business and/or economics courses e
    - (minimum 9 credits; maximum 3 credits at the 100 level)

- **Human Resources Management Emphasis (27 credits):**
  - BUS231: Human Resources Management
  - BUS330: Compensation Theory and Practice
  - BUS331: Staffing, Training, and Development
  - BUS335: Organizational Behavior

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*continued on next page*
BUS430  Strategic Management
BUS493  Human Resources Management Seminar

Choose from:
ECO301  Intermediate Microeconomics
ECO302  Intermediate Macroeconomics

Electives from business and/or economics courses c
(minimum 6 credits; maximum 3 credits at the 100 level)

•  International Emphasis (24-25 credits):
BUS202Z* f  Introduction to International Business
(or other approved international experience)
BUS318G  Global Marketing

Choose from:
BUS370G*  International Business
BUS371G*  International Business in Europe
ECO302  Intermediate Macroeconomics
ECO305  International Trade and Finance
MWL*  Two modern world language courses, one of which must be at the Intermediate I level or higher.

Electives from business and/or economic courses (minimum 3 credits)

•  Marketing Emphasis (27-28 credits):
BUS420  Marketing Seminar
ECO301  Intermediate Microeconomics

Choose three from:
BUS315  Sales and Sales Management
BUS318G*  Global Marketing
BUS319  Advertising and Sales Promotion
BUS321  Marketing Research
BUS324  Consumer Behavior

Choose two from:
Economics elective, including ECO302 and above
BUS208  Business Writing
BUS361  Business Law

Electives from business and/or economics courses c
(minimum 6 credits; maximum 3 credits at the 100 level)

56-63

General Education ............................................................... 51-52
Electives ...................................................................................... 7-15

TOTAL  122

* A student may also choose to use this course to meet a General Education requirement.

a Students majoring in business must complete their core courses with a minimum grade of C in order to successfully complete the business major.

b Students considering graduate school in business are strongly encouraged to take BUS100M Business Calculus. (MAT124M Calculus I may be used as a substitute.)

c Not required of students who minor in management information systems in the Department of Math and Computer Science.

d Students in the Accounting Emphasis must take Internship in Business: Accounting.

e COS105, COS212, COS216, COS218, COS313, COS377 may be used as business and/or economics electives.

f BUS202Z may be waived by petition upon the completion of an international study experience with prior approval of the department.
# Major in Accounting and Finance (B.S.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS100M*</td>
<td>Business Calculus * a</td>
<td>3</td>
</tr>
<tr>
<td>BUS105</td>
<td>Information Technology and Applications b</td>
<td>3</td>
</tr>
<tr>
<td>BUS200</td>
<td>Personal Taxation Assistance</td>
<td>3</td>
</tr>
<tr>
<td>BUS210</td>
<td>Financial Accounting</td>
<td>4</td>
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<tr>
<td>BUS220</td>
<td>Principles of Marketing</td>
<td>4</td>
</tr>
<tr>
<td>BUS230</td>
<td>Principles of Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS310</td>
<td>Intermediate Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>BUS311</td>
<td>Intermediate Accounting II</td>
<td>4</td>
</tr>
<tr>
<td>BUS312Z*</td>
<td>Federal Income Taxes</td>
<td>3</td>
</tr>
<tr>
<td>BUS313</td>
<td>Strategic Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS344</td>
<td>Managerial Finance</td>
<td>4</td>
</tr>
<tr>
<td>BUS361</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS390</td>
<td>Investments</td>
<td>4</td>
</tr>
<tr>
<td>BUS410</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS414</td>
<td>Auditing Principles and Procedures</td>
<td>4</td>
</tr>
<tr>
<td>BUS440</td>
<td>Capital Markets</td>
<td>3</td>
</tr>
<tr>
<td>BUS470</td>
<td>Finance Seminar</td>
<td>3</td>
</tr>
<tr>
<td>BUS481</td>
<td>Internship in Business c</td>
<td>3-4</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics</td>
<td>4</td>
</tr>
<tr>
<td>ECO301</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO302</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MAT131M*</td>
<td>Statistical Analysis *</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose two from:

- BUS208 Business Writing
- BUS370G* International Business * or
  - BUS202Z* Introduction to International Business *
- ECO305 International Trade and Finance

**Electives** d: 18-22

(a minimum of 15 credits must be taken outside the Department of Business and Economics)

**General Education**: 51-52

**TOTAL**: 150

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* A student may also choose to use this course to meet a General Education requirement.

a MAT124M Calculus I may be used as a substitute.

b Not required of students who minor in computer science or management information systems in the Department of Math and Computer Science.

c This internship must be specifically dedicated towards accounting in order to fulfill current state-mandated requirements of 24 credits of upper division accounting courses. A maximum of six credits for internships can qualify for the 150-credit requirement under rules promulgated by the Minnesota State Board of Accountancy.

d These electives are a required component of the major. It is recommended that a minor in a discipline other than business or economics be completed to fulfill some of these electives.
### Major in Business Education 5-12 (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BUS105</td>
<td>Information Technology and Applications</td>
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<tr>
<td>BUS110</td>
<td>Personal Finance</td>
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<tr>
<td>BUS130</td>
<td>Business Problem Solving</td>
<td>3</td>
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<tr>
<td>BUS210</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS220</td>
<td>Principles of Marketing</td>
<td>4</td>
</tr>
<tr>
<td>BUS230</td>
<td>Principles of Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS332</td>
<td>Entrepreneurship</td>
<td>3</td>
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<tr>
<td>BUS344</td>
<td>Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUS361</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS370G*</td>
<td>International Business</td>
<td>3</td>
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<tr>
<td>BUS481</td>
<td>Internship in Business</td>
<td>3-4</td>
</tr>
<tr>
<td>COS100</td>
<td>Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>BUS210</td>
<td>Principles of Economics</td>
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</table>

One elective, a minimum of 3 credits from Business/Economics or Computer Science...

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU200/201</td>
<td>Intro. to Education/Intro. to Education Field Experience</td>
<td>4</td>
</tr>
<tr>
<td>EDU203</td>
<td>School Health and Drugs</td>
<td>2</td>
</tr>
<tr>
<td>EDU220</td>
<td>Introduction to Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU317GZ*</td>
<td>Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDU240</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU241</td>
<td>Educational Psychology Field Experience</td>
<td>1</td>
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<tr>
<td>EDU320</td>
<td>Pedagogy and the Young Adolescent Learner</td>
<td>2</td>
</tr>
<tr>
<td>EDU415</td>
<td>Middle Level Education Practicum in Business</td>
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<tr>
<td>EDU416</td>
<td>Methods in Teaching 5-12 Business</td>
<td>4</td>
</tr>
<tr>
<td>EDU490</td>
<td>Student Teaching Block</td>
<td>15</td>
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</table>

**TOTAL** 136-138**

* A student may also choose to use this course to meet a General Education requirement.
** Because of possible double-counting between General Education and the major, the actual total can be reduced to 124-125 credits.
### Major in Economics and Finance (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS105</td>
<td>Information Technology and Applications</td>
<td>3</td>
</tr>
<tr>
<td>BUS210</td>
<td>Financial Accounting</td>
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<td>Principles of Marketing</td>
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<td>Principles of Management</td>
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<td>Managerial Finance</td>
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<tr>
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<td>Investments</td>
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<td>Capital Markets</td>
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<td>Internship in Business</td>
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<td>Principles of Economics</td>
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<td>ECO301</td>
<td>Intermediate Microeconomics</td>
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<td>ECO302</td>
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<tr>
<td>ECO340</td>
<td>Econometrics</td>
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<td>ECO401</td>
<td>Advanced Economic Theory</td>
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<tr>
<td>ECO499</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>BUS100M*</td>
<td>Business Calculus</td>
<td>3-4</td>
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<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
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<tr>
<td>MAT131M*</td>
<td>Statistical Analysis</td>
<td>3</td>
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</table>

Choose from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
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</tr>
<tr>
<td>MAT131M*</td>
<td>Statistical Analysis</td>
<td>3</td>
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</tbody>
</table>

Electives from business and/or economics courses, excluding ECO200 (maximum of 3 credits at the 100 level)

Total: 61-63

General Education: 51-52

Electives: 7-10

**TOTAL** 122

*A student may also choose to use this course to meet a General Education requirement.*

### Major in Economics (B.A.)

<table>
<thead>
<tr>
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<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Principles of Economics</td>
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<td>Intermediate Microeconomics</td>
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<td>ECO302</td>
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<td>ECO401</td>
<td>Advanced Economic Theory</td>
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<tr>
<td>ECO499</td>
<td>Senior Seminar</td>
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</tr>
<tr>
<td>BUS481</td>
<td>Internship in Business</td>
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</tbody>
</table>

Electives from 200-level or above economics courses, excluding ECO200

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
</tr>
<tr>
<td>MAT131M*</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 39-40

General Education: 51-52

Electives: 30-32

**TOTAL** 122

*A student may also choose to use this course to meet a General Education requirement.*

Students considering graduate studies in economics should elect MAT125 Calculus 2 and MAT211 Linear Algebra and give consideration to earning a mathematics minor.
Major in Business and Political Science (B.A.)

(See Multidisciplinary section.)
This major is designed for students who wish to combine substantial work in the fields of business and political science with additional supporting courses in economics and mathematics.

### Minor in Business

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS100M* Business Calculus</td>
<td>3</td>
</tr>
<tr>
<td>BUS130 Business Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>BUS210 Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS220 Principles of Marketing</td>
<td>4</td>
</tr>
<tr>
<td>BUS230 Principles of Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS344 Managerial Finance</td>
<td>4</td>
</tr>
<tr>
<td>ECO201 Principles of Economics</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL** 23

*a MAT124M Calculus I may be used as a substitute.
*A student may also choose to use this course to meet a General Education requirement.

### Minor in Economics

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ECO201 Principles of Economics</td>
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<tr>
<td>Choose from:</td>
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<tr>
<td>ECO301 Intermediate Microeconomics</td>
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<tr>
<td>ECO302 Intermediate Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>Electives from 200-level or above economics courses</td>
<td>12</td>
</tr>
</tbody>
</table>

**TOTAL** 19

### Management Information Systems (MIS)

Students interested in programming business applications are advised to major in computer science with a minor in business. Students interested in combining MIS and business should major in business and minor in MIS.
CHEMISTRY

The study of chemistry is concerned with the composition, structure, properties, and transformations of matter. It attempts to gain understanding of the processes of our physical world. In many ways, chemistry is the central science, having foundation in mathematics and physics and, in turn, underlying the life sciences. It is theoretical and yet practical; it emphasizes analytical skills and yet depends on creativity and problem solving.

The chemistry program prepares students for graduate study and professional careers in education, academic research, industry, and engineering. A major in the chemistry program is also an excellent choice for students in the health sciences and preprofessional programs, including medicine, dentistry, law, and pharmacy.

COURSES

CHE103D • Introduction to General and Organic Chemistry
Overview of atoms—their composition, their ability to form bonds, and their ability to interact as molecules. Designed for nursing and allied health fields. First of a two-course sequence. Includes 3 lab hrs.

CHE104 • Introduction to Biochemistry and Nutrition
Overview of macromolecules and their function in heredity and metabolism. An introduction to human nutrition and health. Designed for nursing and allied health fields. Second of a two course sequence. Includes 3 lab hrs. Prerequisite: CHE103D.

CHE105D • Modern Alchemy: Chemistry for Non-Scientists
The chemical world of foods, food additives, agriculture, household chemicals, plastics, medicines, drugs, environmental concerns, and energy production. An overview of chemical concepts, but emphasis is on applications of chemistry and their implications for society. Includes 3 lab hrs.

CHE111D • General Chemistry I
Chemical properties and principles, structure and reactivity, stoichiometry, thermodynamics, atomic theory, states of matter, and behavior of solutions. Laboratory includes application of these principles in exploring chemical properties and reactivity, and computer data collection and modeling. Includes 3 lab hrs. Prerequisites: Two years of high school math; high school chemistry or consent of instructor.

CHE200 • Laboratory Safety and Chemical Hygiene
High standards of safety and chemical hygiene make the science laboratory a safe, comfortable, interesting place to work. This course reviews the standards and federal/state guidelines pertaining to safety and hygiene in the laboratory. Prerequisites: One year of high school chemistry; one semester of college-level science.

CHE210D • Accelerated General Chemistry
Chemical properties and principles, stoichiometry, structure, reactivity, atomic theory, states of matter, solutions, thermodynamics, kinetics, equilibria, acids and bases, electrochemistry, descriptive inorganic chemistry, and nuclear chemistry. Intended for science and engineering students who have a strong math background. Meets the same requirements of CHE111 and CHE212. Includes 3 lab hours. Prerequisite: MAT124M (may be taken concurrently).

CHE212 • General Chemistry II
Study of chemical kinetics, thermodynamics, solution equilibria, acids and bases, electrochemistry, descriptive inorganic chemistry, and nuclear chemistry. Includes 3 lab hrs. Prerequisite: CHE111D.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE221</td>
<td>Organic Chemistry I</td>
<td>(fall)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Structure, classification, and function of organic compounds; bonding theory, stereochemistry, organic reaction mechanisms, energy relations, and spectroscopy. Laboratory includes introduction to techniques of measurement, analysis, separation, synthesis, and purification of organic compounds. Includes 4 lab hrs. Prerequisite: CHE212 or CHE210D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE222</td>
<td>Organic Chemistry II</td>
<td>(spring)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Mechanism and classification of organic reactions, particularly carbon-carbon bond-forming reactions involving carbonyl compounds. Mechanistic organic chemistry applied to polymers and biochemical pathways. Laboratory includes synthesis, separation, purification, and identification of organic compounds. Includes 4 lab hrs. Prerequisite: CHE221.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE325</td>
<td>Advanced Organic Chemistry</td>
<td>(spring, even # yrs)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Bonding, kinetics, mechanisms of reactions, stereochemistry, and structure determination of organic compounds. Includes 3 lab hrs. Prerequisite: CHE222; CHE341.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE331</td>
<td>Analytical Chemistry I</td>
<td>(spring)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Principles and practice of modern quantitative analysis. Ionic equilibria, data analysis, sample preparation, spectroscopy, chromatography, and electrochemical techniques, in addition to classical and modern methods of analysis. Includes 3 lab hrs. Prerequisite: CHE212 or CHE210D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE332</td>
<td>Analytical Chemistry II</td>
<td>(fall)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Methods of instrumental analysis. Study of chemical and physical principles and practical application of spectrophotometric, chromatographic, and electroanalytical techniques, as well as fundamental electronic circuitry and computer data acquisition and control. Includes 3 lab hrs. Prerequisite: CHE331.</td>
<td></td>
<td></td>
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<tr>
<td>CHE341</td>
<td>Physical Chemistry I</td>
<td>(fall)</td>
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<tr>
<td></td>
<td>Definitions and laws of thermodynamics and their application to predictions of energy release and reaction spontaneity. Chemical kinetics of reaction rates and reaction mechanisms. Laboratory work including hands-on experience with physiochemical systems and computational modeling. Includes 3 lab hrs. Prerequisites: CHE111D; CHE212; PHY290D; PHY295.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE342</td>
<td>Physical Chemistry II</td>
<td>(spring)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>The Schrödinger equation and the laws of quantum mechanics. Quantum mechanical solutions of model systems and their application to chemical spectroscopy. Statistical mechanics as it relates spectroscopy and potential energy surfaces to thermodynamics and chemical kinetics. Laboratory work including hands-on experience with physiochemical systems and computational modeling. Includes 3 lab hrs. Prerequisite: CHE341.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE361</td>
<td>Advanced Inorganic Chemistry</td>
<td>(spring)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Chemistry of elements and their compounds, including symmetry, bonding theories, solid-state chemistry, coordination compounds, organometallics, and bioinorganic compounds. Laboratory includes synthesis and characterization of inorganic compounds. Includes 3 lab hrs. Prerequisites: One year of organic chemistry or junior standing; CHE341.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE386</td>
<td>Biochemistry I</td>
<td>(fall)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Physical and chemical properties of living systems with an emphasis on macromolecular interaction, structure, and function. Structure, classification, purification, and function of nucleic acids, proteins, carbohydrates, and lipids, including membrane transport and enzymology. Laboratory techniques include spectroscopy, chromatography, centrifugation, electrophoresis, and enzyme kinetics. Includes 3 lab hrs. Prerequisites: CHE222; CHE341; BIO112D. BIO341 recommended. (Carries cross-credit in biology.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CHE387 • Biochemistry II  
(*spring) 4 credits  
Metabolic pathways, bioenergetics, metabolic regulation, and metabolism of macromolecules (carbohydrates, lipids, amino acids, and nucleotides). Macromolecular synthesis of RNA, DNA, and proteins, including an introduction to biotechnology. Laboratory includes procedures and experiments for the isolation and characterization of enzymes, RNA and DNA, molecular cloning, PCR, and gene expression. Includes 3 lab hrs. Prerequisite: CHE386 or BIO386.

CHE391 • Chemistry Seminar:  
Introduction to Chemical Information  
(*fall) 1 credit  
An introduction to the structure of a scientific paper, the organization of the general chemical literature, and the process of doing a literature search. Prerequisites: Junior standing; major in chemistry or biochemistry/molecular biology.

CHE392 • Chemistry Seminar: Introduction to Research  
(*spring) 1 credit  
An introduction to the nature, ethics, and organization of chemical research projects. Students complete a research project under the supervision of a faculty member and give an oral presentation of their data. Students also select and develop a research proposal for their senior research project. Prerequisite: CHE391.

CHE393 • Research  
(*fall, *interim, *spring) 1-4 credits  
Utilization of the techniques and understanding of chemical principles on a term project. Use of original literature to formulate and conduct an original laboratory or computational research project under the supervision of a chemistry faculty member. May only be taken for credit once. Prerequisite: Consent of department.

CHE400 • Research  
(*fall, *interim, *spring) 1-4 credits  
Utilization of the techniques and understanding of chemical principles on a term project. Use of original literature to formulate an independent project that is carried out in the laboratory under the direction of a faculty member. Prerequisite: Consent of department.

CHE493 • Chemistry Seminar: Research  
(*fall) 1 credit  
Students develop and work on their senior research project. Seminar includes discussions of chemical careers, graduate and medical school application, and GRE preparation. Students may take CHE400 for additional research credit. Prerequisite: CHE392.

CHE494 • Chemistry Seminar: Research Presentation  
(*spring) 1 credit  
Students prepare and deliver formal presentations of their research results. Seminar meets weekly for discussion of current topics. Prerequisite: CHE493.

Science Education Course (see Department of Education)

EDU420 • Methods in Teaching 5–12 Science

PROGRAMS

Major in Chemistry (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE111D*/CHE212</td>
<td>General Chemistry I, II</td>
<td>4-8</td>
</tr>
<tr>
<td>CHE220D*</td>
<td>Accelerated General Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHE221</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE222</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHE331</td>
<td>Analytical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE341</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE391</td>
<td>Chemistry Seminar: Introduction to Chemical Information</td>
<td>1</td>
</tr>
<tr>
<td>CHE392</td>
<td>Chemistry Seminar: Introduction to Research</td>
<td>1</td>
</tr>
</tbody>
</table>

— continued on next page —
- continued from previous page -

CHE493 Chemistry Seminar: Research .........................................................1
CHE494 Chemistry Seminar: Research Presentation .....................................1
Electives from 300- or 400-level chemistry courses........................................12
MAT124M* Calculus 1.......................................................................................4
MAT125 Calculus 2 .........................................................................................4
PHY290D* General Physics I ........................................................................4
PHY295 General Physics II ...........................................................................4

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>52-56</td>
</tr>
</tbody>
</table>

General Education ............................................................................................51-52
Electives............................................................................................................14-19

TOTAL 122

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the total of 122 credits can include up to 6-7 credits of electives.
### Major in Biochemistry/Molecular Biology (B.S.)
(See Multidisciplinary section.)

### Major in Science Education 5-12:
Chemistry Emphasis (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE111D*/CHE212</td>
<td>General Chemistry I, II</td>
<td>4-8</td>
</tr>
<tr>
<td>CHE210D*</td>
<td>Accelerated General Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHE200</td>
<td>Laboratory Safety and Chemical Hygiene</td>
<td>1</td>
</tr>
<tr>
<td>CHE221</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE222</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHE331</td>
<td>Analytical Chemistry I</td>
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<tr>
<td>CHE341</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE391</td>
<td>Chemistry Seminar: Introduction to Chemical Information</td>
<td>1</td>
</tr>
<tr>
<td>CHE392</td>
<td>Chemistry Seminar: Introduction to Research</td>
<td>1</td>
</tr>
<tr>
<td>CHE493</td>
<td>Chemistry Seminar: Research</td>
<td>1</td>
</tr>
<tr>
<td>CHE494</td>
<td>Chemistry Seminar: Research Presentation</td>
<td>1</td>
</tr>
<tr>
<td>BIO101D*</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>GEL167D*</td>
<td>Geology</td>
<td>4</td>
</tr>
<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
</tr>
<tr>
<td>MAT125</td>
<td>Calculus 2</td>
<td>4</td>
</tr>
<tr>
<td>PHY110D*</td>
<td>Introduction to Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>PHY290D*</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY295</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>EDU200</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU203</td>
<td>School Health and Drugs</td>
<td>2</td>
</tr>
<tr>
<td>EDU220</td>
<td>Introduction to Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU240</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU241</td>
<td>Educational Psychology Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU317GZ*</td>
<td>Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDU320</td>
<td>Pedagogy of the Young Adolescent Learner</td>
<td>2</td>
</tr>
<tr>
<td>EDU420</td>
<td>Methods in Teaching 5–12 Science</td>
<td>3</td>
</tr>
<tr>
<td>EDU429</td>
<td>Middle Level Education Practicum in Science</td>
<td>1</td>
</tr>
<tr>
<td>EDU490</td>
<td>Student Teaching Block</td>
<td>15</td>
</tr>
</tbody>
</table>

- General Education .................................................................................................................. 51-52
- **TOTAL** ........................................................................................................... 141-146**

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 135-136 credits.

Students must earn a grade of C or better in each content area and education course in the major (BIO, CHE, GEL, PHY, MAT, EDU). Courses with grades of C- or lower must be repeated.
### Minor in Chemistry

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-8</td>
<td>CHE111D*/CHE212  General Chemistry I, II</td>
</tr>
<tr>
<td></td>
<td>CHE210D*  Accelerated General Chemistry</td>
</tr>
<tr>
<td></td>
<td>Electives from 200- or 300-level chemistry courses.</td>
</tr>
</tbody>
</table>

**TOTAL** 20-24

* A student may also choose to use this course to meet a General Education requirement.

### Pre-medicine and Other Healthcare Professional Programs

(See Pre-professional section.)

### Chemical Engineering

A bachelor's degree in chemical engineering is available through a special dual degree program described in the Engineering section of this catalog.
The classics minor provides an interdisciplinary program of study that introduces students to a classical language as well as the cultures, history, and philosophies of the ancient Greek, Roman, and Middle Eastern world.

### Minor in Classics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS310</td>
<td>Near Eastern and Greek Civilization</td>
<td>4</td>
</tr>
<tr>
<td>HIS311</td>
<td>Roman Civilization</td>
<td>4</td>
</tr>
<tr>
<td>Choose from culture:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>ARH220</td>
<td>Art History: Ancient through Medieval</td>
<td></td>
</tr>
<tr>
<td>PHI251</td>
<td>History of Philosophy I</td>
<td></td>
</tr>
<tr>
<td>Choose from language:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>GRK371</td>
<td>Advanced Greek Translation</td>
<td></td>
</tr>
<tr>
<td>HEB102S*</td>
<td>Introductory Biblical Hebrew II</td>
<td></td>
</tr>
<tr>
<td>LAT102S*</td>
<td>Introductory Classical Latin II</td>
<td></td>
</tr>
<tr>
<td>Choose from electives (excluding courses taken in culture category):</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>ARH220</td>
<td>Art History: Ancient through Medieval</td>
<td></td>
</tr>
<tr>
<td>BIB210</td>
<td>History of Ancient Israel</td>
<td></td>
</tr>
<tr>
<td>BIB230Z*</td>
<td>Israel Study Tour</td>
<td></td>
</tr>
<tr>
<td>BIB236</td>
<td>Archaeology of the Southern Levant</td>
<td></td>
</tr>
<tr>
<td>BIB264Z*</td>
<td>Greece-Turkey Study Tour</td>
<td></td>
</tr>
<tr>
<td>PHI251</td>
<td>History of Philosophy I</td>
<td></td>
</tr>
</tbody>
</table>

| TOTAL       | 18-20                                            |

* A student may also choose this course to meet a General Education requirement.
COMMUNICATION STUDIES

Since effective communication is essential to most aspects of successful human endeavor, the Department of Communication Studies focuses on achieving understanding in human thought, activity, and interaction. Students are given opportunities to create and test ideas, develop individual abilities, and gain competence and confidence.

The Department of Communication Studies helps students acquire knowledge and increase abilities that enable them to function effectively in every area of their public and private lives. The department seeks to prepare skilled communicators for professional careers and Christian service, giving vital background in the fields of business, teaching, law, public relations, government, social work, television, radio, corporate media departments, and various church ministries. A Master of Arts in Communication is offered through the Department of Communication Studies and is administered through the Graduate School.

The faculty of the Department of Communication Studies is committed to the importance of cross-cultural experiences for all majors. Students are encouraged to attend an off-campus intercultural program for an interim or semester.

COURSES

COM110N • Basic Communication (fall, spring) 3 credits
Informal and formal communication patterns that characterize daily life, analysis of communication situations, and improvement of effective communication. Includes interpersonal, intercultural, small group, and speaker/audience communication settings.

COM120N • Relationships in a Virtual World (occasionally) 3 credits
Examination of how communication technology and new media impact identity formation, friendships, and an understanding of community. Specific technologies such as Facebook, Instant Messenger, text-messaging, and video games are evaluated for their effect on users.

COM135, 235, 335, 435 • Forensics Lab (fall, spring) 1 credit
Participation in off-campus forensics tournaments. Students work with the forensics coaching staff in the areas of debate, limited preparation speaking, public address, or interpretation, and participate in multiple tournaments. Lab may be repeated for up to 4 credits. Open to Forensics Team members fall and spring; for students fulfilling departmental requirements, fall only.

COM136, 236, 336, 436 • Radio Lab (fall, spring) 1 credit
On-air and/or behind-the-scenes radio experience. Students work individually or with a partner to produce a radio show each week or work in other behind-the-scenes capacities for the Bethel campus radio station. Lab may be repeated for up to 4 credits.

COM138, 238, 338, 438 • Video Production Lab (fall, spring) 1 credit
Video and broadcast project development. Students work as a team to create video projects for organizations or sporting and news packages suitable for broadcast on the Bethel closed circuit system or CTV. Lab may be repeated for up to 4 credits. Prerequisite: Consent of instructor.

COM208U • Native Americans and the Media (occasionally interim) 3 credits
Analysis of media portrayals of Native Americans. Emphasis on Native American cultures and voices, mainstream portrayals of Native Americans through a variety of media, and social and media critical tools for examining media mainstream images of minority groups. Prerequisite: GES130 or GES145, 146.
COM210 • Perspectives on Human Communication  (fall, spring) 3 credits
Examination of the communication discipline through the exploration and application of communication theories. Provides a theoretical foundation for the communication studies and media communication majors by exploring significant communication concepts in the areas of human, media, and rhetorical communication.

COM213 • Media Communication  (fall, spring) 3 credits
An overview of mass media industries, including print, broadcast, cable, film, and the internet. Survey of media history, functions, and impacts on society.

COM220 • Group Communication  (fall, spring) 4 credits
Vital role that small groups play in daily life, group problem solving and group interaction, and greater effectiveness in working in small groups. Examination of leadership, group cohesiveness, and conflict management.

COM272A • Introduction to Media Production  (fall, spring) 4 credits
Introductory course exploring the creative process and the tools of video and web production. Examines television and the web as artistic and communicative media. Covers the basics of multi-camera and single-camera on-location production. Hands-on course that teaches students how to use the tools of media production to craft messages for a wide variety of audiences.

COM300 • Online Journalism  (occasionally interim, spring) 3 credits
Theories and principles of writing news for the web with practical experience in writing news stories and creating news webpages. Analysis of existing news webpages and the tools and techniques used in their creation.

COM301A • Oral Interpretation  (occasionally fall or spring) 4 credits
Focuses on the creative process involved in the oral performance of prose, poetry, and drama. Students explore and practice methods and techniques for selecting, analyzing, understanding, and adapting literature for oral performance. Emphasizes artistic expression through the performance of compiled literary scripts individually and in groups.

COM302 • Media Law  (fall, spring) 3 credits
Examination of mass media law and policy through the use of court cases, policy documents, legislation, legal history, and legal philosophy. Special emphasis on First Amendment and ethical issues related to media practices. Prerequisite: COM213.

COM305A • Screenwriting  (interim, even # yrs) 4 credits
Study of the conventions of the screenplay and practice in screenwriting. Emphasis on creating and adapting, writing, and editing narrative screenplays. Prerequisite: COM373 or COM374.

COM310K • Communication, Technology, and Society  (fall, occasionally interim, spring) 3 credits
An examination of the impact communication technology has on communication and society. Evaluation and exploration of technologies such as digital media, the internet, email, chat rooms, and other emerging technologies. Analysis of the ethical and spiritual implications and applications of these technologies. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

COM314G • Gender Communication  (occasionally spring) 3 credits
Examination of the force of rhetoric on historical and social movements since 1800. Concentrates on movements that cross gender lines and impact modern men and women. Studies religious revivals and Christian action groups as related to the sweep of history. Considers gender differences and similarities, verbal and nonverbal. Prerequisites: GES130 or GES 145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.
COM318 • Argumentation and Debate  
(fall) 4 credits
Argumentation and debate principles, with application to written analysis, briefs, speeches, and debates. Analysis of an issue, reasoning and evidence, in-depth research, and oral delivery. Prerequisite: COM110N.

COM320 • Persuasion  
(fall, spring) 4 credits
Persuasion as it characterizes interpersonal relationships, group process, public speaking, and mass media. An examination of how people persuade others and why people are persuaded. The importance of an ethical base for persuasion is emphasized. Prerequisites: COM110N; junior standing.

COM322 • Advanced Group Communication  
(Europe Term; fall only) 4 credits
Advanced examination of group development and team building. Various theories and models of group formation and team building are analyzed and experienced as students become part of multiple Christian communities during the Europe Term in Intercultural Communication. Students learn how groups relate in differing cultures as well as how their Christian faith can play a role in group functioning.

COM325 • Political Communication  
(occasionally interim) 3 credits
Analysis of the theoretical background behind political communication from a public speaking and media perspective. Attention to decision-making skills required in political campaigns. Discussion of advanced persuasive campaign theory. Prerequisite: COM110N, POS100, or consent of instructor. (Carries cross-credit in political science.)

COM337, 437 • Professional Conference Lab  
(fall, spring) 1 credit
Students work in conjunction with one or more professors in the department on a paper to be presented at an academic conference. Students prepare conference presentations as well as paper revisions. Designed to help students with papers already accepted at a conference. May be repeated up to two credits. Prerequisite: Consent of instructor.

COM348 • Organizational Communication  
(fall) 3 credits
Communication practices and problems found in organizations. Communication concerns related to organizational structure, conflict, effectiveness, roles (emphasizing leadership), work processes, and decision making. Interviewing as an organizational practice and as a research tool. Prerequisite: COM110N or BUS230. (Carries cross-credit in business.)

COM352 • Broadcast Journalism  
(occasionally interim, spring) 3 credits
Theories and principles of broadcast writing with practical experience in writing news stories for radio and television. Analysis of broadcast news programming and procedures. Prerequisite: COM213. Not open to students who received credit for COM351.

COM355Z • Intercultural Communication  
(fall) 4 credits
An exploration of the richly varied cultures of humankind and the influence of culture on verbal and nonverbal communication. The examination of theory is balanced by an examination of practical applications designed to improve intercultural process in various contexts. A cross-cultural experience is required. Prerequisites: COM110N; World Cultures (U) course.

COM361 • Rhetorical Criticism  
(fall or spring) 3 credits
Study of approaches to rhetorical criticism. Critical evaluation of a wide range of communication texts, their possible meanings, and their implications for various audiences and situations. Students learn methods used to analyze communication texts as well as historical and future trends in the field of rhetorical criticism.

COM363 • Methods of Communication Research  
(fall, spring) 4 credits
The modern foundations for study, evaluation, and research in the entire field of communication. Readings, statistics, and finished research projects are the focus of study. Prerequisite: Three courses in communication.
COM370 • Interpersonal Communication  
(fall, spring)  4 credits
The interpersonal communication process. Theory and pragmatics related to dyadic communication. Explores issues such as self-discipline, self-esteem, listeners, emotions, conflict, relational development and maintenance, gender, and nonverbal communication. Opportunity to evaluate and develop personal interaction skills.

COM373 • Digital Filmmaking  
(fall or spring)  3 credits
An advanced media course in which students learn hands-on, single-camera production on location. Areas of study include cinema verité, documentary, advanced news gathering, and experimental/music video. All projects are edited with non-linear computer systems, and published to DVD and web. Prerequisite: COM272A.

COM374 • Broadcast Production  
(fall or spring)  3 credits
An advanced media production course that provides an in-depth understanding of audience analysis; news and sports programming; advanced multi-camera; live production; and field news reporting. Implementation of new digital technologies and production techniques for webcasting are included. Prerequisite: COM272A.

COM375 • Media Criticism and Theory  
(occasionally interim)  3 credits
Explores theoretical and critical approaches to the study of video, audio, film, and digital culture. Theories and methods in this course examine issues relating to production and authorship in the media arts, audience reception and effects, political ideology, ethics, aesthetics, cultural diversity, and schools of thought within the liberal arts. Extensive critical writing and reading in media criticism and theory. Prerequisite: COM213.

COM386 • Advanced Public Speaking  
(fall, spring)  4 credits
Preparation and delivery of speeches: persuasive, entertaining, special occasion, and informative speeches. Prerequisite: COM110N.

COM400 • Family Communication  
(fall)  4 credits
Communication patterns that help or hinder relationships within the family system. Functioning in simulated family groups, students develop personal roles. Various approaches to conflict, power, stress, intimacy, and family health. The family system in light of Christian attitudes and life patterns. Students may not receive credit for both COM400 and GES426P. Prerequisite: Junior standing.

COM450 • Corporate Communication  
(interim or spring)  3 credits
Theories and principles of corporate communication including issues related to public relations, media relations, corporate identity management, investor communication, and crisis communication in both for-profit and not-for-profit organizations. Prerequisite: COM/BUS 348 or consent of instructor.

COM461 • Advanced Topics in Media Production  
(occasionally)  3 credits
Special and/or advanced studies in media production with the topic announced prior to registration. Possible topics include filmmaking, audio production, and news broadcasting. May be repeated if a different topic is emphasized. Prerequisite: COM272A.

COM462 • Advanced Topics in Relational Communication  
(occasionally)  3 credits
Special and/or advanced studies in relational communication with the topic announced prior to registration. Possible topics include conflict management, communication and emotion, and health communication. May be repeated if a different topic is emphasized. Prerequisite: COM110N.
COM463 • Advanced Topics in Communication Analysis
(occasionally) 3 credits
Special and/or advanced studies in rhetorical analysis with the topic announced prior to registration. Possible topics include rhetoric of religion, crisis communication, and presidential rhetoric. May be repeated if a different topic is emphasized. Prerequisite: COM110N.

COM480 • Speechwriting
(occasionally) 4 credits
Speechwriting in the corporate and political worlds. Analysis of the role and practices of professional speechwriters, analysis of speeches produced by these writers, and preparation of speeches to be delivered by another person. Prerequisite: COM320.

COM481 • Internship in Communication
(fall, spring) 3-4 credits
Experience to apply and expand communication knowledge and skills in structured, off-campus settings, such as corporations, governmental offices, nonprofit organizations, television and radio stations, and corporate media departments. Prerequisites: Consent of department; senior standing.

COM499 • Senior Seminar
(fall, spring) 4 credits
Advanced research in rhetoric, communication, persuasion, ethics, and media. Emphasis on synthesis and integration. Prerequisite: Senior standing; COM361 or COM363.
### Major in Communication Studies (B.A.)

<table>
<thead>
<tr>
<th>Communication Studies Core</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COM110N</strong> Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td><strong>COM210</strong> Perspectives on Human Communication</td>
<td>3</td>
</tr>
<tr>
<td><strong>COM213</strong> Media Communication</td>
<td>3</td>
</tr>
<tr>
<td><strong>COM363</strong> Methods of Communication Research</td>
<td>4</td>
</tr>
<tr>
<td><strong>COM499</strong> Senior Seminar</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose from Communication Labs:
- COM135, 235, 335, 435 Forensics Lab
- COM136, 236, 336, 436 Radio Lab
- COM138, 238, 338, 438 Video Production Lab
- COM337, 437 Professional Conference Lab

Choose from Oral Communication Courses:
- **COM301A** Oral Interpretation
- **COM318** Argumentation and Debate
- **COM386** Advanced Public Speaking

Choose one of the following emphases: 23-39

**Relational Studies Emphasis (24-25 credits):**
- **Choose from:**
  - **COM220** Group Communication
  - **COM322** Advanced Group Communication
  - **COM370** Interpersonal Communication
  - **COM400** Family Communication

Choose from (2 courses 300 level or above): 9-10
- **COM314G** Gender Communication
- **COM320** Persuasion
- **COM355Z** Intercultural Communication
- **COM462** Advanced Topics in Relational Communication
- **GES448P** Abusive Relationships and Christian Responsibility

Choose a Communication Analysis course: 3
- **COM325** Political Communication
- **COM361** Rhetorical Criticism
- **COM375** Media Criticism and Theory

**Rhetorical Studies Emphasis (23-24 credits):**
- **COM320** Persuasion
- **COM361** Rhetorical Criticism

Electives from history or political science courses: 6
(3 credits at the 300 level or above)

Choose from Communication Analysis courses: 6-7
- **COM325** Political Communication
- **COM375** Media Criticism and Theory
- **COM463** Advanced Topics in Communication Analysis
- **COM480** Speechwriting

Choose from Relational Communication courses: 4
- **COM220** Group Communication
- **COM322** Advanced Group Communication
- **COM355Z** Intercultural Communication
- **COM370** Interpersonal Communication

— continued on next page —
### Organizational Communication Emphasis (37-39 credits):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM220</td>
<td>Group Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM302</td>
<td>Media Law</td>
<td>3</td>
</tr>
<tr>
<td>COM348</td>
<td>Organizational Communication</td>
<td>3</td>
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<tr>
<td>COM450</td>
<td>Corporate Communication</td>
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<tr>
<td>COM481</td>
<td>Internship in Communication</td>
<td>3-4</td>
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<tr>
<td>ECO201</td>
<td>Principles of Economics</td>
<td>4</td>
</tr>
<tr>
<td>ENW115</td>
<td>News Writing</td>
<td>4</td>
</tr>
<tr>
<td>COM325</td>
<td>Political Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM361</td>
<td>Rhetorical Criticism</td>
<td></td>
</tr>
<tr>
<td>COM375</td>
<td>Media Criticism and Theory</td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following tracks: 10-11 credits

- **Marketing Communication**
  - BUS220 Principles of Marketing
  - BUS319 Advertising and Sales Promotion
  - BUS324 Consumer Behavior

- **Writing**
  - COM300 Online Journalism
  - ENW211 Feature Writing
  - ENW212 Principles of Editing and Design

- **Design**
  - ART100A* 2-D Design
  - ART212 Graphic Design
  - ART324 Digital Multimedia

- **Employee Communication**
  - BUS231 Human Resources Management
  - BUS331 Staff, Training, and Development
  - COM370 Interpersonal Communication

---

General Education: 51-52 credits

Electives: 8-25 credits

**TOTAL** 122 credits

* A student may also choose to use this course to meet a General Education requirement.
## Major in Media Communication (B.A.)

### Media Communication Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COM110N*</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM135</td>
<td>Forensics Lab</td>
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<tr>
<td>COM210</td>
<td>Perspectives on Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM213</td>
<td>Media Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM363</td>
<td>Methods of Communication Research</td>
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<tr>
<td>COM499</td>
<td>Senior Seminar</td>
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Choose from Communication Labs:

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>COM136</td>
<td>Radio Lab</td>
</tr>
<tr>
<td>COM138</td>
<td>Video Production Lab</td>
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Choose from Communication Analysis courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COM320</td>
<td>Persuasion</td>
</tr>
<tr>
<td>COM361</td>
<td>Rhetorical Criticism</td>
</tr>
<tr>
<td>COM375</td>
<td>Media Criticism and Theory</td>
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</tbody>
</table>

Choose from Relational Communication courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM220</td>
<td>Group Communication</td>
</tr>
<tr>
<td>COM348</td>
<td>Organizational Communication</td>
</tr>
<tr>
<td>COM355Z*</td>
<td>Intercultural Communication</td>
</tr>
<tr>
<td>COM370</td>
<td>Interpersonal Communication</td>
</tr>
</tbody>
</table>

Choose from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM481</td>
<td>Internship in Communication</td>
</tr>
<tr>
<td>COM497</td>
<td>Directed Study</td>
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</tbody>
</table>

Choose one of the following emphases: 15-17 credits

- **Production Emphasis** (15 credits):
  - Choose from:
    | Course Code | Course Title              |
    |-------------|---------------------------|
    | ART119A*    | Photography               |
    | ART212      | Graphic Design            |
    | ART322      | Digital Imaging           |
    | ART324      | Digital Media             |
    | COM305A*    | Screenwriting             |
    | COM352      | Broadcast Journalism      |
    | COM373      | Digital Filmmaking        |
    | COM374      | Broadcast Production      |
    | COM461      | Advanced Topics in Media Production |
    | ENW115      | News Writing              |
    | ENW319      | Advanced Journalism       |
    | [LAFSC]     | Hollywood Production Workshop |
    | [LAFSC]     | Motion Picture Production |
    | [LAFSC]     | Professional Screenwriting|

- **Media Criticism Emphasis** (16-17 credits):
  - FLM200 Introduction to Film | 3
  - FLM300 Film Theory and Interpretation | 4

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<table>
<thead>
<tr>
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<th>Credit Hours</th>
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<tr>
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<tr>
<td>Choose from:</td>
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<tr>
<td>ENL206</td>
<td>Shakespeare and Film</td>
<td>6-7</td>
</tr>
<tr>
<td>ENL241L*</td>
<td>Modern Mythmakers</td>
<td></td>
</tr>
<tr>
<td>ENW305A*</td>
<td>Screenwriting</td>
<td></td>
</tr>
<tr>
<td>COM461</td>
<td>Advanced Topics in Media Production</td>
<td></td>
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<tr>
<td>COM463</td>
<td>Advanced Topics in Communication Analysis</td>
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<tr>
<td>PHI302</td>
<td>Philosophy and Film</td>
<td>58-63</td>
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</table>

General Education ................................................................. 51-52
Electives ................................................................................... 7-13

TOTAL 122

* A student may also choose to use this course to meet a General Education requirement.

### Minor in Communication Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>COM110N*</td>
<td>Basic Communication</td>
<td>3</td>
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<td>COM320</td>
<td>Persuasion</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
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<td>3-4</td>
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<tr>
<td>COM213</td>
<td>Media Communication</td>
<td></td>
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<tr>
<td>COM220</td>
<td>Group Communication</td>
<td></td>
</tr>
<tr>
<td>Choose from:</td>
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<td></td>
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<tr>
<td>COM301A*</td>
<td>Oral Interpretation</td>
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<tr>
<td>COM318</td>
<td>Argumentation and Debate</td>
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<td>COM386</td>
<td>Advanced Public Speaking</td>
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<td>Choose from:</td>
<td></td>
<td>3-4</td>
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<tr>
<td>COM348</td>
<td>Organizational Communication</td>
<td></td>
</tr>
<tr>
<td>COM355Z*</td>
<td>Intercultural Communication</td>
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<tr>
<td>COM361</td>
<td>Rhetorical Criticism</td>
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</tr>
<tr>
<td>COM370</td>
<td>Interpersonal Communication</td>
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<tr>
<td>Elective from 300- or 400-level communication courses</td>
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TOTAL 20-22

* A student may also choose to use this course to meet a General Education requirement.

### Minor in Media Communication

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM110N*</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM213</td>
<td>Media Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM272A*</td>
<td>Introduction to Media Production</td>
<td>4</td>
</tr>
<tr>
<td>COM302</td>
<td>Media Law</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COM373</td>
<td>Digital Filmmaking</td>
<td></td>
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<tr>
<td>COM374</td>
<td>Broadcast Production</td>
<td></td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>COM352</td>
<td>Broadcast Journalism</td>
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<tr>
<td>COM480</td>
<td>Speechwriting</td>
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<tr>
<td>ENW115</td>
<td>News Writing</td>
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<tr>
<td>ENW205A*</td>
<td>Essay Writing</td>
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</tr>
<tr>
<td>ENW211</td>
<td>Feature Writing for Newspapers and Magazines</td>
<td></td>
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</tbody>
</table>

TOTAL 19-20

* A student may also choose to use this course to meet a General Education requirement.
Computing technology has become an essential part of nearly every profession even as new research in computer science continues to reinvent how we communicate and work. The computer science major at Bethel prepares students to be leaders in this ever-changing academic discipline as they learn current programming languages, network technology, databases, software engineering techniques, hardware, and operating systems. Electives are also offered in graphics, compilers, artificial intelligence, and high-performance computing. Students can gain work experience through employment in Bethel’s computing support services and can earn course credit through internships at local companies. Bethel conforms to the Association for Computing Machinery (ACM) model for a liberal arts university computing degree with course work in computing ethics and a balance of practical and theoretical study in computer science.

### COURSES

**COS100 • Introduction to Programming** *(fall, interim)* 3 credits
An introduction to algorithms and programming in a current programming language including a survey of computer hardware, operating systems, and networks.

**COS105 • Computer Science 1** *(spring)* 4 credits
Introduction to fundamental computer programming design principles. Strong emphasis on theory. Extensive programming assignments in a current computer language. *Not designed as a computer literacy course.* Includes 6 lab hrs. Prerequisites: COS100 or equivalent proficiency; MAT122M or equivalent proficiency.

**COS205 • Scientific Computing** *(spring)* 3 credits
Introduction to programming in C and C++ with an emphasis on issues relevant to scientific computing such as machine error, performance, and implementation of common numerical algorithms. Includes an introduction to and experience with high-performance computing in parallel environments. Prerequisite: MAT124M.

**COS212 • Computer Science 2** *(fall)* 4 credits
Elementary data structures such as file structures, linked lists, and simple trees. Introduction to fundamental search and sort algorithms, analysis, design methodologies, and object-oriented programming. Extensive programming assignments in a current computer language. Includes 6 lab hrs. Prerequisite: COS105 or COS205.

**COS214 • Computer Systems** *(spring)* 4 credits
Assembly and machine language to study computer organization and structure, addressing techniques, digital representation of instructions, program segmentation, and linkage. Includes 6 lab hrs. Prerequisite: COS212.

**COS216 • Data Structures and Objects** *(spring)* 3 credits
Abstract data types, objects, classes, and methods as a software paradigm. Advanced data structures and algorithms are also studied. Extensive programming assignments in a current object-oriented computer language. Prerequisites: COS212; MAT241.

**COS301 • Operating Systems and Computer Architecture** *(fall)* 4 credits
Computer organization, structure of operating systems, memory management, process management, resource allocation, and operating system monitors. Alternative approaches to operating system design. Prerequisites: COS214; knowledge of C or C++.
COS313 • Database Systems  (fall, even # yrs)  3 credits
Relational and object-oriented databases, schemas, and normalization. Database management systems, SQL, and query optimization. Application program interaction with database management systems. Prerequisites: COS216.

COS318 • Web Programming  (fall, odd # yrs)  3 credits
An examination of the foundational technologies used for creating dynamic web content. Includes scripting languages (JavaScript and PHP), XML, and related replacements for HTML. Exploration of CGI protocol explored using programming languages such as Perl and PHP. Other topics include validation, creating secure web applications, XSLT, and an overview of more advanced technologies. Prerequisite: COS216.

COS344 • Numerical Methods  (fall)  3 credits
Numerical methods for solving systems of linear equations, finding roots and fixed points, approximating data and functions, numerical integration, and finding solutions to differential equations. Prerequisites: MAT211 or MAT222; Recommended: COS105 or COS205. (Carries cross-credit in mathematics.)

COS371 • Organization of Programming Languages  (spring, even # yrs)  3 credits
Formal programming language specification using various grammars and the Backus-Naur Form. Data types and structures, control structures, and data flow of several programming languages, including interpreters and compilers. Introduction to parsing and lexical analysis. Prerequisite: COS216.

COS376 • Operations Research  (fall, odd # yrs)  3 credits
Mathematical techniques used in systems analysis, including linear programming, simulation techniques, and other topics such as transportation models, integer programming, and network analysis. Prerequisites: COS105; MAT211. (Carries cross-credit in mathematics.)

COS377 • Software Engineering  (spring, even # yrs)  3 credits
Formal approach to the design and development of software. Design methodologies including object-oriented design and components. Communication, linking, and sharing of programs and data. Milestones and estimating, chief programmer teams, walk-throughs, documentation, organization management, and development of a software project by students working in teams. Prerequisite: COS216.

COS386 • Data Communications and Computer Networks  (spring, odd # yrs)  3 credits
Data communications including interprocess communication, computer networking, and associated software protocols. Topics include network topologies, point-to-point network protocols, local area networks, and interconnection of networks. Prerequisite: COS301.

COS389 • Artificial Intelligence  (spring, odd # yrs)  3 credits
Basic concepts and techniques of artificial intelligence, including representation, notational structures, searches, control structures, and the LISP or Prolog programming languages. Samples of current work in several application areas including natural language systems, expert systems, and neural networks. Prerequisite: COS216.

COS490 • Topics in Computer Science  (interim, even # yrs)  3 credits
A seminar to provide an in-depth survey of a recent trend or field in the rapidly changing discipline of computer science. Students work on a significant project as well as explore the future implications of the current topic. Prerequisite: COS216.
## Major in Computer Science (B.S.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>COS100</td>
<td>Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>COS105</td>
<td>Computer Science 1</td>
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<tr>
<td>COS212</td>
<td>Computer Science 2</td>
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</tr>
<tr>
<td>COS214</td>
<td>Computer Systems</td>
<td>4</td>
</tr>
<tr>
<td>COS216</td>
<td>Data Structures and Objects</td>
<td>3</td>
</tr>
<tr>
<td>COS301</td>
<td>Operating Systems and Computer Architecture</td>
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<tr>
<td>COS313</td>
<td>Database Systems</td>
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<tr>
<td>COS318</td>
<td>Web Programming</td>
<td>3</td>
</tr>
<tr>
<td>COS371</td>
<td>Organization of Programming Languages</td>
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<td>COS377</td>
<td>Software Engineering</td>
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<tr>
<td>COS386</td>
<td>Data Communications and Computer Networks</td>
<td>3</td>
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<tr>
<td>COS389</td>
<td>Artificial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>COS490</td>
<td>Topics in Computer Science</td>
<td>3</td>
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</tbody>
</table>

Choose from:
- COS344 Numerical Methods
- COS376 Operations Research
- PHY350 Computer Methods in Physics and Engineering
- GES334K* Perspectives on Computing and Society
- MAT124M* Calculus 1
- MAT125 Calculus 2
- MAT211 Linear Algebra
- MAT241 Discrete Mathematics
- MAT330 Probability and Statistics
- COS344
- COS376
- GES334K*

General Education: ................................................................. 51-52
Electives: ................................................................................ 4-5**

TOTAL 122

* A student may also choose to use this course to meet a General Education requirement.
** Because of possible double counting between General Education and the major, the total of 122 credits can include up to 10-11 credits of electives.
### Major in Computer Science (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
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<tbody>
<tr>
<td>COS100</td>
<td>Introduction to Programming</td>
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<tr>
<td>COS105</td>
<td>Computer Science 1</td>
<td>4</td>
</tr>
<tr>
<td>COS212</td>
<td>Computer Science 2</td>
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<tr>
<td>COS214</td>
<td>Computer Systems</td>
<td>4</td>
</tr>
<tr>
<td>COS216</td>
<td>Data Structures and Objects</td>
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<td>COS301</td>
<td>Operating Systems and Computer Architecture</td>
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<tr>
<td>COS318</td>
<td>Web Programming</td>
<td>3</td>
</tr>
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<td>GES334K*</td>
<td>Perspectives on Computing and Society</td>
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<td>MAT124M*</td>
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<td>MAT241</td>
<td>Discrete Mathematics</td>
<td>3</td>
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</table>

Choose from:
- COS313    Database Systems
- COS377    Software Engineering
- COS386    Data Communications and Computer Networks

Electives from 300-level or above computer science courses ....................................9

Total: 47

General Education............................................................................................51-52
Electives........................................................................................................... 23-24

TOTAL: 122

* A student may also choose to use this course to meet a General Education requirement.

### Minor in Computer Science

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credit Hours</th>
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<tbody>
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<td>Introduction to Programming</td>
<td>3</td>
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<tr>
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<td>Computer Science 1</td>
<td>4</td>
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<td>COS212</td>
<td>Computer Science 2</td>
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<td>COS214</td>
<td>Computer Systems</td>
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</tr>
<tr>
<td>COS216</td>
<td>Data Structures and Objects</td>
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| Elective from 200-level or above computer science courses ....................................3

TOTAL: 21

### Minor in Management Information Systems

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
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<tbody>
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<tr>
<td>COS105</td>
<td>Computer Science 1</td>
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</tr>
<tr>
<td>COS212</td>
<td>Computer Science 2</td>
<td>4</td>
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<tr>
<td>COS216</td>
<td>Data Structures and Objects</td>
<td>3</td>
</tr>
<tr>
<td>COS318</td>
<td>Web Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose from:
- COS313    Database Systems
- COS377    Software Engineering

TOTAL: 20
CULTURAL STUDIES

(See Department of Anthropology and Sociology)

ECONOMICS

(See Department of Business and Economics)

EDUCATION

As part of a Christian learning community at Bethel University, the Department of Education seeks to prepare educational leaders for service in public and private schools:

- who are reflective practitioners pursuing continued personal learning and professional renewal;
- who are knowledgeable and competent in their subject matter;
- who understand how students learn and develop, and who facilitate learning through effective teaching;
- who establish collaborative relationships with students, staff, parents, and community members of varying personalities, racial/ethnic backgrounds, family characteristics, socioeconomic statuses, and abilities; and
- whose Christian worldview provides a strong moral framework characterized by integrity and compassion.

Bethel’s education department provides programs that offer students the opportunity to attain licensure for teaching early childhood education (birth-age 8), elementary education with a preprimary specialty (age 3-grade 6), elementary education with a middle level specialty (K-8), education for grades 5-12, and education for grades K-12. The Bethel University education program is accredited by the Teacher Education Accreditation Council (TEAC) for a period of five (5) years, from September 2005 to September 2010. This accreditation certifies that the education program has provided evidence of compliance with TEAC’s quality principles. It is also approved by the Minnesota Board of Teaching, having met the standards set by the State of Minnesota through a rigorous review process.

To qualify for teacher licensure, our teacher candidates must demonstrate competencies in Pre-Professional Skill (PPST) areas of reading, writing, and mathematics, and the Praxis II exams in Principles of Learning and Teaching, and Subject Assessments and Specialty Area exams. These results are reported to the Minnesota Board of Teaching, which in turn reports to the United States Secretary of Education under Title II of the Higher Education Act, an annual reporting requirement. The most recent reporting was for students who completed the program during the 2006-2007 school year. Our education program had a 97% (Praxis I) and 99% (Praxis II) pass rate, placing Bethel’s program in the first quartile of all college education programs in the State of Minnesota. A complete report of this information is available from the Department of Education upon request.

The student intending to be licensed through Bethel’s teacher education program must be working toward (or already have) a degree, meet specific criteria for admission to the teacher education program, fulfill specified requirements for continuance in the program, and successfully complete an approved student teaching experience.

The education program is structured in a sequential combination of stand-alone courses and integrated block course format. Each block has prerequisites and must be taken in its entirety.
EARLY CHILDHOOD EDUCATION LICENSURE PROGRAM

The early childhood education licensure program is designed to prepare teachers who can plan, execute, and evaluate instructional programs that address the developmental needs of children from birth through age 8 (third grade). The program prepares students to work with young children in a variety of educational settings. When successfully completed, students may apply for the early childhood (birth-age 8) license. Note: The Early Childhood Education license can be obtained only in conjunction with a major in K-6 elementary education with a preprimary specialty.

ELEMENTARY SCHOOL LICENSURE PROGRAM

The elementary teacher education program is designed to prepare teachers for teaching in any school with an elementary classification. The program is developed to give elementary teachers a good background in the general or liberal arts, focused preparation in a selected specialty, knowledge and understanding of human development and learning processes, and methods of integrating subject matter with materials and methods.

5-12 AND K-12 LICENSURE PROGRAMS

Programs in 5-12 teacher education are available in business, communication arts and literature (English), health, mathematics, science (with chemistry, life science, or physics emphasis), and social studies. Licensure for grades K-12 is available in instrumental music, vocal music, physical education, visual arts, world languages and cultures (French and Spanish), and teaching English as a second language (TESL). Prospective teachers in each of these areas must complete a core of professional education courses as well as the required courses in the discipline of choice and demonstrate professional behaviors. Details of these programs are found under the appropriate departmental listings in this catalog.

POSTBACCALAUREATE LICENSURE

Holders of a baccalaureate degree may qualify for a teaching license by completing the missing components of the prescribed program in which they are interested. A second bachelor’s degree is not awarded to these students. Those interested in this program must make an initial contact with the Bethel Office of Admissions and then meet with the education department designate to develop an individualized plan for completion of requirements.

GRADUATE PROGRAMS AND LICENSURE AREAS

The graduate programs in education are designed to enhance the skills, knowledge, and attitudes of experienced educators. Courses are offered sequentially and taken one at a time; classes meet one evening per week throughout the year. Four options are available for teachers seeking professional development and renewal. Admission requirements are the same for each option.

1. Doctor of Education degree option: Ed.D. in Educational Administration
3. Master’s degree and licensure in Special Education (a) emotionally/behaviorally disordered; (b) learning disabilities.
4. Master’s degree and licensure in Reading K-12.
6. Master of Arts in Teaching for those wishing initial licensure and who hold a B.A. or B.S. in an appropriate field. The licensure programs currently available include: business; communication arts and literature; health; mathematics; science; social studies; world languages and cultures (French or Spanish); teaching English as a second language (TESL); and visual arts.

Contact an admissions advisor at the Graduate School for additional program or admissions information.
GENERAL CRITERIA FOR PARTICIPATION IN THE TEACHER EDUCATION PROGRAM

A. Admission Procedures
1. Complete course work for sophomore standing with a minimum grade point average of 2.50.
2. Enroll in EDU200 Introduction to Education and EDU201 Introduction to Education Field Experience. During this time, the following will take place:
   a. File an application for admission to the education department.
   b. Submit a personal autobiographical statement, one current transcript, and two references. One reference must be from a Bethel faculty member who can specifically address your academic abilities. A second reference should be from a current or previous employer or supervisor (or possibly from a volunteer position working with children and/or youth). Please note: for 5-12/K-12 majors, the reference from a Bethel faculty member must be provided by a professor in the major subject area. Recent transfer students may receive a reference addressing academic abilities from an instructor at their previous institution.
   c. Be interviewed and accepted into the program by the Education Interview Committee, and gain the approval of the faculty of the student’s area of emphasis. Preference will be given to students who have experience working with children/youth and experience in diverse settings (e.g., cross-cultural, racial/ethnic groups, exceptionalities).
3. Take the Pre-Professional Skills Test (PPST) to qualify for full admission.
4. Have transfer education course work evaluated by the education department. Components of some courses in education may not be included in courses transferred from other schools and may not meet Bethel’s education requirements. In such cases, transfer or post-baccalaureate students may be required to complete additional components (i.e., field experience).
5. Only course work with a grade of C or above is transferable for credit.

B. Standards for Continuance in Education Program
1. Complete admission procedures before enrolling in EDU270 K-6 Education Block 1 (K-6 education majors) or in EDU240 Educational Psychology (5-12 and K-12 majors).
2. Maintain a GPA of at least 2.50.
3. Earn a grade of C or better in each EDU course for all education majors. For elementary education majors, this also includes a grade of C or better in MAT201M, MAT202 and all NAS courses (NAS101-104). (Courses with grades of C- or lower must be repeated).
4. K-8, 5-12, and K-12 majors must earn a grade of C or above in each content area course. (Courses with grades of C- or lower must be repeated.)
5. Demonstrate continual development of professional traits of educators, as presented throughout the program.

C. Additional Requirements for Program Completion
Note: There will be a variety of ways these competencies can be met including courses for credit or non-credit and workshops.
1. First Aid/CPR for elementary education majors. (This may be taken at Bethel or through a Red Cross certification program.)
2. Portfolio evaluation (begins with the admission process to the education department and continues throughout the program).
3. Appropriate proficiency levels assessed according to ACTFL proficiency guidelines via Praxis II for majors and specialties in a modern world language (French, German, or Spanish).

D. Requirements for Admission to Student Teaching
1. Be recommended for student teaching by the department(s) of the student’s area of emphasis.
2. The following course work must be completed:
   Elementary Education—all course work, including EDU, MAT, NAS, and content courses
   in specialty with a grade of C or above.
   5-12 and K-12 majors—all EDU courses.
   All core content courses must be completed with a grade of C or above (5-12 and
   K-12 majors).
3. Complete all portions of the Pre-Professional Skills Test (PPST) with all scores submitted
   to the education department.
4. First Aid/CPR must be completed prior to student teaching (elementary education majors
   only).
5. Fulfillment of any Notification of Concern (NOC) contracts.
6. Be accepted for placement by a school.
7. For transfer or post-baccalaureate students the following applies:
   a. Elementary education majors must successfully complete two semesters of course
      work in education at Bethel.
   b. Students in 5-12 and K-12 programs must successfully complete a minimum of
      two courses at the 300 level or above at Bethel in the department of the student’s
      area of emphasis. Check with each department for specific requirements.

Eligibility Standards for Minnesota Teacher Licensure

1. For undergraduates, complete all requirements for a baccalaureate degree.
2. For undergraduates, attain a minimum earned cumulative GPA of 2.50 at graduation.
3. Successfully pass all parts of the Pre-Professional Skills Test (PPST).
4. Successfully pass tests in both the areas of professional knowledge and subject matter content
   (Praxis II).
5. Fulfill any Notification of Concern (NOC) contracts.
6. Successfully complete student teaching experiences.
7. Successfully complete the final licensure portfolio.
8. Complete Minnesota’s requirement of a conduct review statement (Bureau of Criminal
   Apprehension).

Licensure standards are subject to change by the Minnesota Board of Teaching.

Note: Meeting the Minnesota licensure requirements is a prerequisite for Bethel University
graduates seeking licensure in other states.

Admission to the university does not ensure admission to the education program, and admis-
sion to the education program does not ensure admission to student teaching.

The education department reserves the right to consider, as part of admission to student
teaching, those personal and professional qualities, general health, scholastic achievement,
conduct, attitude, or other standards seen as appropriately related.

**COURSES**

**EDU200 • Introduction to Education**  (fall, interim, spring)  3 credits
Contemporary issues in education in the light of history and educational thought. Various
aspects of growth and development are included. Prerequisites: Sophomore standing; 2.50
GPA. (Transfer work will be used for students who do not yet have a Bethel GPA.)

**EDU201 • Introduction to Education Field Experience**  (fall, interim, spring)  1 credit
A field experience spent in an elementary or secondary school as an instructional aide. Design-
nated times are set by the education department. Must be taken concurrently with EDU200.
Prerequisite: 2.50 GPA.
EDU203 • School Health and Drugs (fall, spring) 2 credits
Examines the roles of teachers and schools in responding to adolescent health problems, including alcohol/drug problems, with particular attention to health promotion, prevention, and referral. Approaches adolescent drug/alcohol use from a variety of perspectives—behavioral, pharmacological, social, legal, and clinical. Emphasis is on the characteristics of effective comprehensive school-based drug abuse prevention programs.

EDU204UZ • Teaching and Learning in Guadalajara (interim) 3 credits
On-site experiential course designed to introduce students to Mexican culture and education in the city of Guadalajara. Components include observing and teaching in a Christian school, a homestay with a Mexican family, creation of a classroom ethnography, and an opportunity to reflect on the culture and education process of one Mexican school. Course may count as a Spanish elective provided all work is completed in Spanish. Prerequisite: Written consent of instructor.

EDU205UZ • Exploring Culture and Education in Hong Kong and China (occasionally interim) 3 credits
Designed to expose students to cultural and educational opportunities available in Hong Kong and China. Students examine how the history of each city has shaped the cultural and educational systems of today. Students travel, experience cultures and places of interest, and actively participate in several school settings in Hong Kong and China. Prerequisite: none. EDU200 and EDU201 suggested. Requires written consent of instructors.

EDU220 • Introduction to Middle Level Education (fall, spring) 3 credits
Identifies and defines the concept of exemplary and typical middle and junior high schools: philosophy, organizational structure, curriculum, and instructional characteristics. Students develop an understanding of the physical, emotional, social, cognitive, and moral stages of adolescent development and begin to develop the ability to relate middle level program possibilities to adolescent developmental needs. May be taken concurrently with EDU320. Prerequisites: EDU200/EDU201; admission to the education program; 2.50 GPA.

EDU225 • Education Technology (fall, spring) 1 credit
Instructional uses of technology are dynamic, not static. Computer, visual, and audio assisted instruction help to make learning more vivid and memorable. Students develop and/or demonstrate competency in word processing, spreadsheets, databases, presentation programs, and internet research. Prerequisites: EDU200; EDU201; admission to the education program; 2.50 GPA.

EDU236UZ • Exploring British Education and Culture (occasionally interim) 3 credits
Designed for students to immerse themselves in British culture and to explore the educational system, with an emphasis on the diverse populations of Pakistani and Indian students and schools. Provides students with three learning experiences: 1) observation and participation in British elementary and secondary schools; 2) homestay with a British family; and 3) cultural exploration in London and surrounding areas. Prerequisites: EDU200; EDU201; admission to the education department; 3.00 GPA.

EDU240 • Educational Psychology (fall, spring) 3 credits
Psychological foundations of education. Various aspects of growth and development, the nature and conditions of learning, implications for teaching, and evaluation. Intended for 5-12 and K-12 licensure students only. Prerequisites: EDU200; EDU201; admission to the education program; 2.50 GPA.

EDU241 • Educational Psychology Field Experience (fall, spring) 1 credit
A field experience that requires four hours per week in an elementary or secondary school for observation and tutorial experience in a special education setting. Designated times are
set by the education department. Must be taken concurrently with EDU240. Prerequisites: EDU200; EDU201; admission to the education program; 2.50 GPA.

**EDU245 • Kindergarten Education** *(fall, spring) 1 credit*
Characteristics of kindergarten children and of the curriculum and teaching strategies appropriate for their developmental level. Prerequisites: EDU200; EDU201; admission to the education program; EDU270 (may be taken concurrently); 2.50 GPA.

**EDU270 • K-6 Education Block 1** *(fall, spring) 8 credits*
This first block in the elementary education sequence has three integrated strands. Prerequisites: EDU200; EDU201; admission to the education program. Prerequisite: 2.50 GPA.

- **EDU271 • Educational Psychology** 3 credits
  Psychological foundations of education with an emphasis on grades K-3. Various aspects of growth and development, the nature and conditions of learning, implications for teaching, lesson planning, and evaluation.

- **EDU272 • Literacy Acquisition** 4 credits
  Develops the skills and understandings to teach reading, writing, speaking, and listening in the primary grades (K-3). Surveys a wide range of children’s literature, modeling creative and critical response modes with strategies for integrating literature in the curriculum.

- **EDU273 • Primary Grades Practicum** 1 credit
  Application of effective practices done in a primary classroom, working with individual students and small reading groups.

**EDU292 • Foundations of Early Childhood Education** *(fall) 3 credits*
History, philosophy, goals, and content of early childhood education programs. Analysis of teaching strategies appropriate for the development of children ages three to five years. Career opportunities in early childhood education. Prerequisite: 2.50 GPA.

**EDU293 • Foundations of Early Childhood Education** *(fall) 1 credit*
Field Experience
Supervised observation and participation at one of Bethel University’s child development centers. Must be taken concurrently with EDU292. Prerequisite: 2.50 GPA.

**EDU306 • Curriculum in Early Childhood Education** *(spring) 4 credits*
Developmental appropriateness of current curriculum models, equipment, and materials in an early childhood education program. Prerequisites: EDU200; EDU201; EDU292; EDU293; admission to the education program; 2.50 GPA.

**EDU307 • Curriculum in Early Childhood Education** *(spring) 2 credits*
Field Experience
Field experience at one of Bethel University’s child development centers utilizing strategies learned in EDU306. Must be taken concurrently with EDU306. Prerequisites: EDU200; EDU201; EDU292; EDU293; admission to the education program; 2.50 GPA.

**EDU317GZ • Understanding Diversity** *(fall, interim, spring) 3 credits*
An introduction to and analysis of educational systems in the U.S. and various systems abroad for the purpose of preparing students to become more aware, culturally responsive, and critical thinkers who can (1) educate all children; (2) recognize, understand, and challenge any attempts to/or systems that perpetuate oppression; and (3) serve as active models of reconciliation and anti-racism, following the dictates of their Christian faith. Includes service learning experience. Prerequisites: EDU200; EDU201; GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245, GES246; World Cultures (U) course; admission to the education program; 2.50 GPA.
EDU320 • Pedagogy and the Young Adolescent Learner  
(fall, spring)  2 credits
The philosophy and pedagogy of teaching in a middle school is different than teaching in a junior high school. Course activities will help students define, describe, and develop the following components of contemporary middle level schools: appropriate curriculum, content area literacy, interdisciplinary structure, and interdisciplinary teaching. Prerequisites: EDU220 (or may be taken concurrently); EDU240/EDU241 or EDU270; 2.50 GPA.

EDU340 • Parent-Child and Family Relationships  
(spring)  3 credits
The family as a social/cultural unit with emphasis on the parents’ interaction with the developing child. Parent-child relations, parenting skills, family systems, and family structure and function.

EDU342 • Observation, Assessment, Adaptation, and Referral in Early Childhood  
(fall)  3 credits
Strategies used in early childhood settings to observe and assess young children’s development and design goals and experiences based upon those assessments. Issues of early identification, referral to special services, building effective parent/professional partnerships, and programming in inclusive early childhood classrooms are discussed. Must be taken concurrently with EDU489. Prerequisites: EDU200; EDU201; EDU292; EDU293; admission to the education program; 2.50 GPA.

EDU343 • Observation, Assessment, Adaptation, and Referral in Early Childhood Field Experience  
(fall)  1 credit
Field experience at one of Bethel University’s child development centers utilizing strategies learned in EDU342. Must be taken concurrently with EDU342. Prerequisites: EDU200; EDU201; EDU292; EDU293; admission to the education program; 2.50 GPA.

EDU344 • Health, Nutrition, and Safety with Young Children  
(spring)  2 credits
Issues in health, nutrition, and safety as related to early childhood settings, birth through age six. Prerequisites: EDU200; EDU201; EDU292; EDU293.

EDU350 • Infant and Toddler Care  
(fall, spring)  4 credits
Strategies used in early childhood settings to assess infant/toddler development and needs, develop goals, and design appropriate learning experiences and environments. Building positive relationships with infants/toddlers and their parents in group settings. Prerequisites: EDU200; EDU201; EDU292; EDU293; admission to the education program; 2.50 GPA.

EDU351 • Infant and Toddler Care Field Experience  
(fall, spring)  1 credit
Field experience in an infant setting to practice strategies learned in EDU350. Must be taken concurrently with EDU350. Prerequisites: EDU200; EDU201; EDU292; EDU293; admission to the education program; 2.50 GPA.

EDU360 • K-6 Education Block 2  
(fall, spring)  16 credits
This second block in the elementary education sequence has eight integrated strands. Prerequisites: EDU270; MAT202M; NAS101D; NAS102D; NAS103D; and NAS104D; admission to the education program; 2.50 GPA.

EDU361 • Educational Psychology  
2 credits
Psychological foundations of education continued from Block 1 with an emphasis on grades 4-6. Various aspects of growth and development, the nature and conditions of learning, implications for teaching, awareness of student variability, and strategies for meeting the needs of students with disabilities. Teacher/student relationships and strategies for maintaining a classroom environment where learning can occur.
EDU362 • Reading/Language Arts Curriculum and Methods  
Reading methods and processes with a strong emphasis on comprehension and vocabulary development. Language arts skills: writing process, grammar, spelling, drama, listening and speaking skills, viewing skills for students in grades 4-6. A variety of creative and critical response modes to integrate literature across the curriculum.

EDU363 • Health Curriculum and Methods  
Principles, curriculum, and methods of teaching health in grades K-6. Role of the teacher and the school in responding to the special health needs of elementary-age children.

EDU364 • Social Studies Curriculum and Methods; Planning  
Methods, materials, and resources for teaching social studies in grades K-6. Emphasis placed on the use of process skills of the social scientist. Long- and short-term planning including integration of curriculum across content areas, embedding Minnesota Graduation Standards.

EDU365 • Physical Education Curriculum and Methods  
Principles, curriculum, and methods of teaching physical education in grades K-6.

EDU366A • Visual Arts Curriculum and Methods  
Methods, materials, and resources for teaching visual arts in grades K-6.

EDU367 • Intermediate Grade Practicum  
Application of effective practices done in a 4th-6th grade classroom, working with large groups as well as small groups, adapting lessons for students with special needs. Special focus on integrated planning.

EDU368A • Music Curriculum and Methods  
Methods, materials, and resources for teaching music in grades K-6.

EDU370 • Math Curriculum and Methods  

EDU371 • Science Curriculum and Methods  
Methods, materials, and resources for teaching science in grades K-6. Emphasis placed on inquiry and discovery learning, planning, and teaching in a standards-based classroom.

EDU400 • Methods in Teaching K-12 English to Speakers of Other Languages  
(fall) 3 credits  
Theories of language learning, language acquisition, and classroom methodologies at the elementary and secondary levels. Exploration of instructional resources, uses of technology, evaluative procedures, and classroom management. Development of a philosophy of English as a Second Language education and practice in unit planning and teaching. Prerequisites: LIN210; LIN300; EDU270; admission to the education program; 2.50 GPA.

EDU401 • Middle Level Education Practicum in TESL  
(fall) 1 credit  
Classroom-based practicum in an ESL class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU400. Must be taken concurrently with EDU400. Prerequisites: EDU240/EDU241 or EDU270; TEL230; LIN300 or LIN306; 2.50 GPA.

EDU406 • Methods in Teaching Middle Level English  
(interim) 3 credits  
Methods and curriculum employed in teaching English in today’s middle schools. Examines current technology in English education as well as interactive teaching and learning. Practice in planning lessons that apply developmentally appropriate principles. This course replaces EDU320. Prerequisites: EDU240/EDU241 or EDU270; 2.50 GPA.
EDU407 • Middle Level Education Practicum in English  
(interim) 1 credit
Classroom-based practicum in an English class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU406 or EDU408. Must be taken concurrently with EDU406 or EDU408. Prerequisite: EDU240/EDU241 or EDU270; 2.50 GPA.

EDU408 • Methods in Teaching  
9-12 English  
(spring) 4 credits
Methods and curriculum employed in teaching English in today's high schools. Current materials and trends with practice in unit planning and teaching. Prerequisites: EDU240; EDU241; admission to the education program; 2.50 GPA.

EDU411 • Middle Level Education Practicum in Mathematics  
(fall) 1 credit
Classroom-based practicum in a math class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU412. Must be taken concurrently with EDU412. Prerequisites: EDU240/241 or EDU270; 2.50 GPA.

EDU412 • Methods in Teaching 5-8 and 9-12 Mathematics  
(fall) 3 credits
Teaching methodologies, materials, assessment, historical and current trends and issues in curriculum, development of a philosophy of mathematics education, and other topics related to teaching and learning mathematics in grades 5-8 and 9-12. Practice in planning lessons and units, implementing technology, and teaching. Prerequisites: EDU240; EDU241; admission to the education program; senior standing or permission of instructor; 2.50 GPA.

EDU413 • Methods in Teaching K-12 Art  
(spring) 3 credits
Review materials, methods, and curriculum employed in teaching art at both the elementary and secondary levels. Practice writing art lessons, units, and long-range curriculum development. Historical survey of philosophy of art education and present trends. Studio time for exploration and application of media suitable for both elementary and secondary levels. Practice writing art lessons, units, and long-range curriculum development. Prerequisites: EDU240; EDU241; admission to the education program; 2.50 GPA.

EDU414 • Middle Level Education Practicum in Art  
(spring) 1 credit
Classroom-based practicum in an art class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU413. Must be taken concurrently with EDU413. Prerequisites: EDU240; EDU241; 2.50 GPA.

EDU415 • Middle Level Education Practicum in Business  
(fall) 1 credit
Classroom-based practicum in a business class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU416. Must be taken concurrently with EDU416. Prerequisites: EDU240/241; 2.50 GPA.

EDU416 • Methods in Teaching 5-12 Business  
(fall) 4 credits
Provides students with an exploration of essential instructional strategies needed for teaching grades 5-12 business education courses. Incorporates the study of both computer- and text-based instructional strategies. Students develop age-appropriate curriculum, assessment practices, and classroom management strategies for teaching in both computer-based and traditional classroom settings. Prerequisites: admission into the Education Department; EDU240; EDU241; 2.50 GPA.

EDU418 • Methods in Teaching 9-12 Social Studies  
(spring) 2 credits
Development of ability to take concepts from several component disciplines of social studies and communicate them effectively to, or direct their acquisition by, students in grades 9-12. Curriculum trends, materials, classroom methodologies, and teacher competencies are studied and applied. Must be taken concurrently with EDU419. Prerequisites: EDU240; EDU241; admission to the education program; 2.50 GPA.
EDU419 • Middle Level Seminar and Practicum in Social Studies 5-8  
(fall, spring) 2 credits
Classroom-based practicum in a social studies class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU418. Must be taken concurrently with EDU418. Prerequisites: EDU240/EDU241 or EDU270; EDU220; 2.50 GPA.

EDU420 • Methods in Teaching 5-12 Science  
(fall) 3 credits
Current methods and approaches used in the teaching of science in grades 5-12. An examination of ways to develop and present curriculum with emphasis on assessment, instructional strategies, scientific investigations, safety training, and current issues in science education. Prerequisites: EDU240; EDU241; admission to the education program; 2.50 GPA.

EDU422 • Curriculum and Methods of 5-12 Health Education  
(fall) 3 credits
Exploration of the science and art of teaching health. Includes the skills of planning units, teaching lessons, writing measurable objectives, and evaluating lessons for students in grades 5-12 and the community. Major focus on learning and applying various teaching methods and strategies to the content areas within health education. Prerequisites: EDU240; EDU241; admission to the education program; HPE130; HPE340; 2.50 GPA.

EDU423 • Middle Level Education Practicum in Health  
(fall) 1 credit
Classroom-based practicum in a health education class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU422. Prerequisites: HPE130; HPE340; 2.50 GPA.

EDU424 • Methods in Teaching K-12 Physical Education  
(fall) 3 credits
Instructional process in physical education, grades K-12. Observation of teaching styles and practical experiences managing class, delivering content, and analyzing teaching effectiveness. Approximately 20 hours of practicum experience outside of class. Prerequisites: EDU240; EDU241; HPE247; HPE316; admission to the education program; 2.50 GPA.

EDU425 • Middle Education Practicum in Physical Education  
(fall) 1 credit
Classroom-based practicum in a physical education class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU424. Must be taken concurrently with EDU424. Prerequisites: EDU240/241; HPE247; HPE316; 2.50 GPA.
EDU426 • Methods in Teaching K-12 World Languages and Cultures  (fall) 3 credits
Theories of language acquisition, language learning, and classroom methodologies at the elementary and secondary levels. Exploration of instructional resources, uses of technology, evaluative procedures, and classroom management. Development of a philosophy of communicative language teaching and practice in unit planning and teaching. Service-learning and completion of oral proficiency assessment is required. Prerequisites: EDU240; EDU241; admission to the education program; or a major or minor offered through the Department of Modern World Languages and consent of instructor; 2.50 GPA.

EDU427 • Middle Level Education Practicum in World Languages and Cultures  (fall) 1 credit
Classroom-based practicum in a French, German, or Spanish class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU426. Must be taken concurrently with EDU426. Prerequisites: EDU240/241 or EDU270; 2.50 GPA.

EDU428 • Methods in Teaching 5-8 Science  (fall) 2 credits
Current methods and approaches used in the teaching of science in grades 5-8. An examination of ways to develop and present curriculum with emphasis on assessment, instructional strategies, scientific investigations, safety training, and current issues in science education. Prerequisites: EDU270; admission to the education program; 2.50 GPA.

EDU429 • Middle Level Education Practicum in Science  (fall) 1 credit
Classroom-based practicum in a science class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU420 or EDU428. Must be taken concurrently with EDU420 or EDU428. Prerequisites: EDU240/EDU241 or EDU270; 2.50 GPA.

EDU432 • Methods in Teaching Elementary Music  (fall) 3 credits
Methods and materials for teaching music in the elementary school. The skills of singing, playing, moving, improvising, reading, and listening are explored as a means of helping children gain an intuitive and theoretical understanding of musical principles. Prerequisites: EDU240; EDU241; major or minor in music; admission to the education program; 2.50 GPA.

EDU433 • Methods in Teaching Secondary Music  (spring) 3 credits
Methods and materials for teaching music in the middle school, junior high, and senior high school vocal and instrumental programs. Prerequisites: EDU240; EDU241; EDU432; major or minor in music; admission to the education program; 2.50 GPA.

EDU434 • Middle Level Education Practicum in Music  (spring) 1 credit
Classroom-based practicum in a music class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies introduced in EDU433. Must be taken concurrently with EDU433. Prerequisites: EDU240/EDU241; EDU432; major or minor in music; 2.50 GPA.

EDU489 • Student Teaching in Preprimary  (fall, spring) 5 credits
Observation and student teaching at preprimary level at one of Bethel’s child development centers. Includes participation in a seminar that meets regularly. Prerequisite: admission to student teaching; 2.50 GPA. Requirements for successful completion of student teaching in preprimary include: a personal philosophy of early childhood education; two (2) portfolios on children; two (2) entries for the professional portfolio. These entries are based on the Standards of Effective Practice and should include artifacts.

EDU490 • Student Teaching Block  (fall, spring) 15 credits
Observation and student teaching at appropriate level(s) for specified period(s). Includes participation in a seminar that meets regularly. Graded on an S/U basis. Prerequisites: admission to student teaching; 2.50 GPA.
## K–6 Elementary Education Core

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<thead>
<tr>
<th>Course Code</th>
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<th>Credit Hours</th>
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<td>EDU200</td>
<td>Introduction to Education</td>
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<tr>
<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
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<td>EDU245</td>
<td>Kindergarten Education</td>
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<td>EDU270</td>
<td>K-6 Education Block 1</td>
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<td>EDU317GZ</td>
<td>Understanding Diversity</td>
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<td>NAS101D</td>
<td>Science Concepts—Life Science</td>
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<tr>
<td>NAS102Db</td>
<td>Science Concepts—Earth/Space Science</td>
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<tr>
<td>NAS104D</td>
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** Major in K–6 Elementary Education with Preprimary Specialty (age 3–grade 6) (B.A.)

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU200</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU225</td>
<td>Education Technology</td>
<td>1</td>
</tr>
<tr>
<td>EDU292</td>
<td>Foundations of Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU293</td>
<td>Foundations of Early Childhood Education Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU306</td>
<td>Curriculum in Early Childhood Education</td>
<td>4</td>
</tr>
<tr>
<td>EDU307</td>
<td>Curriculum in Early Childhood Education Field Experience</td>
<td>2</td>
</tr>
<tr>
<td>EDU340</td>
<td>Parent-Child and Family Relationships</td>
<td>3</td>
</tr>
<tr>
<td>EDU342</td>
<td>Observation, Assessment, Adaptation, and Referral in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU343</td>
<td>Observation, Assessment, Adaptation, and Referral in Early Childhood Education Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU344</td>
<td>Health, Nutrition, and Safety with Young Children</td>
<td>2</td>
</tr>
<tr>
<td>EDU489</td>
<td>Student Teaching in Preprimary</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education</td>
<td>51-52</td>
</tr>
</tbody>
</table>

** Total 137-138**

* A student may also choose to use this course to meet a General Education requirement.

** A student may fulfill the General Education-Lab Science (D course) requirement by completing two of the NAS courses listed above.

a Students in World Languages and Cultures may meet the requirements of this course while studying abroad.

b For K-8 Science Specialities, GEL167D and PHY110D replace NAS102D.

** Because of possible double counting between General Education and the major, the total of 136-137 credits can be reduced to 126-127 credits.
## Major in K–6 Elementary Education with Middle Level Specialty (grades K–8) (B.A.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>K–6 Elementary Education Core</td>
<td>61</td>
</tr>
<tr>
<td>EDU220 Introduction to Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU320 Pedagogy and the Young Adolescent Learner</td>
<td>2</td>
</tr>
<tr>
<td>Middle Level Specialty (listed below)</td>
<td>17-25</td>
</tr>
</tbody>
</table>

| Total                                                                 | 83-91                 |

| General Education                                                     | 51-52                 |

| Total                                                                 | 134-143**             |

* Students with a specialty in Communication Arts and Literature are not required to take EDU320.

** Because of possible double counting between General Education and the major, the total credits can be reduced based on the Middle Level Specialty chosen.

### Middle Level Specialties (grades 5–8)

One of these specialties must be taken by students majoring in K–6 Elementary Education with Middle Level Specialty:

#### Specialty in Communication Arts and Literature *(Elementary Education majors only)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM110N* Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENL100N* Great Writers: An Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL102 Survey of British Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENL202 Survey of British Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENL204 American Literary Traditions</td>
<td>4</td>
</tr>
<tr>
<td>ENL205A* Essay Writing</td>
<td>4</td>
</tr>
<tr>
<td>EDU406 Methods in Teaching Middle Level English</td>
<td>3</td>
</tr>
<tr>
<td>EDU407 Middle Level Education Practicum in English</td>
<td>1</td>
</tr>
</tbody>
</table>

| Choose one from:                                                      | 4                     |
| ENW205A* Essay Writing                                                |                       |
| EDU406 Methods in Teaching Middle Level English                      |                       |
| EDU407 Middle Level Education Practicum in English                   |                       |
| ENL102 Survey of British Literature I                                |                       |
| ENL202 Survey of British Literature II                               |                       |
| ENL204 American Literary Traditions                                   |                       |

| Total                                                                 | 21                    |

* Students with a specialty in Communication Arts and Literature are not required to take EDU320.

* A student may also choose to use this course to meet a General Education requirement.

--- continued on next page ---
### Specialty in Mathematics (Elementary Education majors only)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
</tr>
<tr>
<td>MAT125</td>
<td>Calculus 2</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MAT131M*b</td>
<td>Statistical Analysis</td>
<td></td>
</tr>
<tr>
<td>MAT330</td>
<td>Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MAT241</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT351</td>
<td>Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>EDU411</td>
<td>Middle Level Education Practicum in Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>EDU412</td>
<td>Methods in Teaching 5-8 and 9-12 Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** 21

*a Students with a specialty in Communication Arts and Literature are not required to take EDU320.*

*b Due to Minnesota teacher licensure requirements, PSY230M may **not** be substituted for this statistics course.

*A student may also choose to use this course to meet a General Education requirement.

### Specialty in Science (Elementary Education majors only)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY110D**a</td>
<td>Introduction to Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>GEL167D**a</td>
<td>Geology</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BIO103D*</td>
<td>Human Biology</td>
<td></td>
</tr>
<tr>
<td>BIO113D*</td>
<td>Introduction to Organismic Biology</td>
<td></td>
</tr>
<tr>
<td>BIO114D*</td>
<td>Introduction to Biodiversity, Ecology, and Adaptation</td>
<td></td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHE111D*</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHE105D*</td>
<td>Modern Alchemy: Chemistry for Non-Scientists</td>
<td></td>
</tr>
<tr>
<td>PHY100D*</td>
<td>Concepts in Physics</td>
<td></td>
</tr>
<tr>
<td>EDU428</td>
<td>Methods in Teaching 5-8 Science</td>
<td>2</td>
</tr>
<tr>
<td>EDU429</td>
<td>Middle Level Education Practicum in Science</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL** 23

*a PHY110D and GEL167D replace NAS102D in the K-6 Elementary Education core for students in science specialty only.*

### Specialty in Social Studies (Elementary Education majors only)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO201</td>
<td>Principles of Economics</td>
<td>4</td>
</tr>
<tr>
<td>EDU419</td>
<td>Middle Level Seminar and Practicum in Social Studies 5-8............</td>
<td>2</td>
</tr>
<tr>
<td>GEO120</td>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO/HIS320K*</td>
<td>History and the Human Environment</td>
<td>3</td>
</tr>
<tr>
<td>POS100</td>
<td>American Politics and Government</td>
<td>3</td>
</tr>
<tr>
<td>SOC101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>HIS200L*</td>
<td>American Civilization</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** 21

*a A student may also choose to use this course to meet a General Education requirement.*
Specialty in World Languages and Cultures (Elementary Education majors only)

Choose one of the following three programs (see proficiency requirement below):

### French

- **FRE201** Intermediate French I ................................................................. 3
- **FRE202** Intermediate French II ............................................................... 3
- **FRE301U** Francophone Cultures ............................................................... 4
- Choose from: ............................................................................................... 3-4
  - **FRE305** Readings in Francophone Literature
  - **FRE306** Advanced French Communication
- **EDU426** Methods in Teaching K-12 World Languages and Cultures .......... 3
- **EDU427** Middle Level Education Practicum in World Languages and Cultures ......................................................... 1
- Elective from French courses at 200 level or above ........................................ 3
- Elective from French courses at 300 level or above ........................................ 3

**TOTAL** 23-24

### German

- **GER102S** Introductory German II ............................................................. 4
- **GER201** Intermediate German ................................................................. 4
- **GER212** Culture ....................................................................................... 4
- **GER306** Advanced German Communication .......................................... 4
- **EDU426** Methods in Teaching K-12 World Languages and Cultures .......... 3
- **EDU427** Middle Level Education Practicum in World Languages and Cultures ......................................................... 1
- Elective from German courses at 300 level or above ........................................ 3

**TOTAL** 23

### Spanish

- Choose from: ............................................................................................... 3-4
  - **SPA201** Intermediate Spanish I
  - **SPA203** Intensive Intermediate Spanish I in Guatemala
- Choose from: ............................................................................................... 3-4
  - **SPA202** Intermediate Spanish II
  - **SPA204** Intensive Intermediate Spanish II in Guatemala
- Choose from: ............................................................................................... 4
  - **SPA301U** Hispanic Cultures
  - **SPA302U** Hispanic Cultures: Guatemalan Perspectives
  - **SPA303** Spanish Civilization and Culture
- Choose from: ............................................................................................... 3
  - **SPA300** Introduction to Hispanic Literature
  - **SPA305** Readings from Latin America and Spain
- **EDU426** Methods in Teaching K-12 World Languages and Cultures .......... 3
- **EDU427** Middle Level Education Practicum in World Languages and Cultures ......................................................... 1
- Elective from Spanish courses at 200 level or above ........................................ 3
- Elective from Spanish courses at 300 level or above ........................................ 3

**TOTAL** 23-25

* A student may also choose to use this course to meet a General Education requirement.

Students seeking licensure in the state of Minnesota with a specialty in a world language who are not native speakers of that language are required to demonstrate Intermediate–High level speaking proficiency as defined by the ACTFL Proficiency Guidelines and tested via the Praxis II test. To achieve this level of proficiency, all students seeking a specialty in a world language are expected to have an extended immersion experience in a country where their language of study is the primary language. Native speakers of French, German, or Spanish are required to demonstrate advanced level proficiency in English and their native language.
**Majors in 5-12 Education**
See respective department listings for majors in the following areas:
- Business
- Communication Arts and Literature (English)
- Health
- Mathematics
- Science with chemistry, life science, or physics emphasis
- Social Studies (see listing under Multidisciplinary section)

**Majors in K-12 Education**
See respective department listings for majors in the following areas:
- Music: Instrumental or Vocal
- Physical Education
- Teaching English as a Second Language (see listing under Modern World Languages)
- Visual Arts
- World Languages and Cultures: French and Spanish (see listing under Modern World Languages)

**Early Childhood Education Licensure, Birth-Grade 3**
The Early Childhood Education license may be obtained by successfully completing the following courses in addition to the major in elementary education with a preprimary specialty:
- EDU350 Infant and Toddler Care
- EDU351 Infant and Toddler Care Field Experience
ENGINEERING SCIENCE
B.A./B.S. Dual-Degree Engineering Science Program
The dual-degree engineering program is designed for the student who desires a stronger liberal arts and science background than can be achieved within a traditional engineering program. In this program, students earn both a B.A. from Bethel University and an engineering degree from a strong school of engineering. This combination of degrees has proven to be powerfully attractive to prospective employers who seek well-trained engineers with the communication and leadership skills inherent in a bachelor’s of arts degree. Students benefit from small introductory class sizes and the Christian emphasis at Bethel, while obtaining their engineering degree from a widely respected and recognized school of engineering.

Formal agreements exist between Bethel University and the University of Minnesota (Institute of Technology) in Minneapolis and Case Western Reserve in Cleveland, Ohio, but dual-degree arrangements can also be established with almost all other schools of engineering on an individual basis. The graduation requirements can usually be met in five years of full-time study. The program is typically arranged as three years at Bethel University and two years at the other university, although students may elect to spend more time at either or both institutions.

Program Requirements:
1. All General Education requirements as prescribed in this catalog must be met, except the writing and speaking proficiency courses within the major.
2. The requirements for an Engineering Science major, as listed below, must be met.
3. Formal application must be made to the chairperson of the Bethel University Department of Physics.
4. Entrance requirements for the cooperating school of engineering must be met.
5. All requirements for an engineering degree at a school of engineering must be completed.
6. Neither the Bachelor of Arts degree from Bethel University nor the bachelor’s degree in engineering is awarded until requirements for both degrees have been met.
### Major in Engineering Science (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE111D*</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>COS205</td>
<td>Scientific Computing</td>
<td>3</td>
</tr>
<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
</tr>
<tr>
<td>MAT125</td>
<td>Calculus 2</td>
<td>4</td>
</tr>
<tr>
<td>MAT222</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAT223</td>
<td>Multivariable Calculus</td>
<td>3</td>
</tr>
<tr>
<td>PHY290D*</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY295</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>Choose from</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>COS344</td>
<td>Numerical Methods</td>
<td></td>
</tr>
<tr>
<td>PHY350</td>
<td>Computer Methods in Physics and Engineering</td>
<td></td>
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<tr>
<td>Electives from the following:</td>
<td></td>
<td>12</td>
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<tr>
<td>CHE212a</td>
<td>General Chemistry II</td>
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</tr>
<tr>
<td>CHE221a</td>
<td>Organic Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHE222a</td>
<td>Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>MAT211</td>
<td>Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MAT330</td>
<td>Probability and Statistics</td>
<td></td>
</tr>
<tr>
<td>PHY300</td>
<td>Electronics</td>
<td></td>
</tr>
<tr>
<td>PHY310</td>
<td>Modern Physics</td>
<td></td>
</tr>
<tr>
<td>PHY320</td>
<td>Mathematical Methods in Physics and Engineering</td>
<td></td>
</tr>
<tr>
<td>PHY340</td>
<td>Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHY420</td>
<td>Fluid Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHY450</td>
<td>Topics in Applied Physics</td>
<td></td>
</tr>
</tbody>
</table>

General Education: 51-52

Electives: 25-27**

** TOTAL 122

* A student may also choose to use this course to meet a General Education requirement.

** The additional studies taken in a school of engineering are considered equivalent to the elective requirements for graduation from Bethel.

**Required for chemical engineering. CHE341 and CHE342 strongly recommended.

An attractive and popular alternate route to a career in engineering is to receive either a B.S. or a B.A. degree from Bethel with a major either in Physics or Applied Physics and then apply to a graduate program in engineering at another university. Typically this approach takes four years at Bethel and two at the school of engineering--resulting in a bachelor's degree from Bethel and an M.S. in the engineering field of choice. The student applies to any school with a graduate program in engineering and will often receive full financial assistance. A cooperative program has been established with the Institute of Technology of the University of Minnesota.
ENGLISH

The Department of English approaches the study of literature and the craft of writing from a Christian perspective that recognizes faith as integral to all learning. We value language as created by God and words as the medium through which we best understand the human experience. Through extensive knowledge of English and American literature, as well as exposure to literature of other cultures, students better understand themselves, vicariously experience the lives of others, and increase their knowledge of the world around them. We equip students to pursue education at the graduate level; to work in fields closely related to the discipline (such as education, journalism, and publishing); or to bring their skills in careful analysis, effective writing, and creative thinking to a variety of other professional careers. The disciplines of literary study and writing develop the intellectual capacity for critical thought, the emotional capacity for sympathetic understanding, the aesthetic capacity for appreciating beauty, the moral capacity for ethical action, and the creative capacity for effective communication. Each of these areas must be nurtured if students are to develop as whole persons with lives committed to meaningful work and enriched by the capacity for lifelong learning.

COURSES

Literature Courses

ENL100N • Great Writers: An Introduction to Literature (fall, spring) 3 credits
Why do great works of literature endure, and how do they illuminate the human experience? Works by classic and contemporary authors are studied for their artistry; their portrayal of great ideas, hopes, joys, and sorrows; and their insight into beauty, truth, and self-understanding.

ENL102 • Survey of British Literature I (fall) 4 credits
Major literary works from Anglo-Saxon times through the 18th century, with some attention given to the development of literary movements and genres. Authors include the Beowulf poet, Chaucer, Shakespeare, Donne, Milton, and Pope.

ENL111N • American Life Stories (fall or spring) 3 credits
An introduction to American autobiography, exploring how individual Americans write their life stories. Consideration of the translation of some personal narratives into film. Selections reflect the rich cultural diversity of American life.

ENL200 • Juvenile Literature (spring) 3 credits
Reading of a wide range of juvenile literature. Study and discussion of reading interests and reading characteristics of juveniles. Review of bibliographies for juvenile reading. Intended especially for prospective teachers.

ENL202 • Survey of British Literature II (spring, fall occasionally) 4 credits
Major writers and works from the Romantic, Victorian, and early 20th century periods. Historical and intellectual background. Writers include Blake, Wordsworth, Keats, Shelley, Arnold, Hopkins, Joyce, Conrad, and Yeats.

ENL204 • American Literary Traditions (fall, spring) 4 credits
Major American authors studied in their historical and cultural contexts, from the colonial era to the present.

ENL206 • Shakespeare and Film (occasionally) 4 credits
Study of the full range of strategies for adapting Shakespeare to film, with an emphasis on recent movements. Multiple cinematic versions of the same text are compared to achieve insight into Shakespeare's work and to develop understanding of film as an artistic medium.
ENL215U • World Literature  
(fall, occasionally interim, spring)  3 credits  
Selected great works of non-American/non-British literature with an emphasis on non-Western works in their social and historical contexts. Prerequisite: GES130 or GES145, 146.

ENL241L • Modern Mythmakers  
(full or spring)  3 credits  
Consideration of how writers and filmmakers appropriate mythic structures and archetypes to create meaningful narratives of human experience. Modern mythmakers may include: J.R.R. Tolkien, George Lucas, Toni Morrison, C.S. Lewis, and others. Prerequisite: GES130 or GES145, 146.

ENL300 • Modern American Poets:  
Their Voices and Visions  
( offered by special arrangement )  3 credits  
Individualized study of 13 representative modern American poets based on films produced by the New York Center for Visual History. This series explores the range and diversity of modern American poetry while focusing on each poet’s unique craft, sources of inspiration, and distinct vision. Prerequisites: ENL204 or a Contemporary Western Life and Thought (L) course; consent of instructor.

ENL301 • Chaucer and Writers of Arthurian Quests  
(spring 2010)  4 credits  
Major emphasis on The Canterbury Tales and Arthurian literature. Medieval pilgrimage and the Grail quest, as treated by English and Continental authors.

ENL303 • Shakespeare: The Art of the Dramatist  
(spring)  4 credits  
Major plays in Shakespeare’s distinct periods and genres: history, comedy, tragedy, and romance. Both literary and theatrical aspects are examined, with attention to historical context. Emphasis on performance.

ENL304 • Milton and the 17th Century  
(spring 2012)  4 credits  
Major emphasis on Milton’s Paradise Lost and his other poems and prose, with readings in metaphysical and religious poetry of such writers as Donne and Herbert.

ENL309 • Enlightenment and Romantic British Literature  
(spring 2011)  4 credits  
British literature from Dryden, Pope, Swift, and Johnson, to Wordsworth, Coleridge, Keats, Shelley, and Byron. Emphasis on social and literary satire, prose forms, Romantic nature poetry, the changing role of the imagination, and criticism.

ENL311 • Studies in American Literature: The Civil War  
(spring, odd # yrs)  4 credits  
Study of the American Civil War and its appeal to historical and literary imaginations. Selected works are studied in historical context, including the causes, the course of the war, and the consequences of the war for the nation.

ENL313 • Studies in American Literature:  
The Harlem Renaissance  
(spring, even # yrs)  4 credits  
The massive migration north of African Americans after World War I resulted in a rich literary and artistic movement known as the Harlem Renaissance. Major African-American writers from this period through the Civil Rights era are studied, including: Langston Hughes, Zora Neale Hurston, W.E.B. DuBois, Richard Wright, Ralph Ellison, Alice Walker, and Toni Morrison.

ENL315G • Literature of the Oppressed  
(fall or spring)  3 credits  
Literature that arises out of oppression. Explores oppression through the imaginative response of the oppressed. Typical historical foci include the Holocaust; totalitarianism; and the experience of African Americans, Native Americans, and women. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.
ENL316G • Literatures of Faith: Christianity and Islam  (fall)  3 credits
Compares important literary works from both the Christian and Islamic worlds from the Middle Ages to the present. Emphasizes literary and historical study, as well as vigorous dialogue and inquiry, as vital tools for understanding present-day Christian and Muslim cultures. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

ENL321 • Drama in Great Britain  (England Term, fall, odd # yrs)  4 credits
Drama in performance, using the plays seen abroad during the England Term. Special attention paid to Shakespeare.

ENL341K • Environmental Writing  (fall or spring)  3 credits
As the environmental crisis has deepened, American nature writing has evolved into a richly creative endeavor to understand the complex interactions of nature, technology, and society. A study of environmental writing as a means for valuing biodiversity and for envisioning changes in global policies, applications of technology, and environmental ethics. Prerequisites: Laboratory Science (D) course; mathematics (M) course. Carries cross-credit in Environmental Studies.

ENL350 • 20th Century Literature  (fall, even # yrs)  4 credits
Major writers, movements, and themes in early 20th century literature in their historical and intellectual context. Emphasis on the rise of modernism in England, France, and America. Major figures include Eliot, Pound, Joyce, Hemingway, Lawrence, Woolf, Stevens, Williams, and Faulkner.

ENL352 • Contemporary Literature  (fall, odd # yrs)  4 credits
Major writers, movements, and themes in literature published since World War II. Emphasis on responses to modernism, current trends, and the emergence of minority and women writers, especially in America.

ENL354 • Literature on Location: Major British Authors  (England Term, fall, odd # yrs)  4 credits
Selected British authors in conjunction with the places that inspired or were the focus of their work. Authors may include Chaucer (Canterbury), Joyce (Dublin), Wordsworth and Coleridge (Lake District), Hardy (Dorset), and Woolf (Bloomsbury).

ENL355 • Modernism in London, Dublin, and Paris  (England Term, occasionally)  4 credits
On-location study of the rise of modernism in literature and art in London, Dublin, and Paris in the early part of the 20th century. Focus on the intellectual and historical context, and on such figures as Eliot, Woolf, Pound, Joyce, Stein, and Hemingway.

ENL365 • Topics in Literary Studies  (fall, even # years; spring, even # years)  4 credits
Close study in a specific topic or genre of literature. Emphasis on applying the skills of literature study to a closely focused topic. Prerequisites: ENL102; ENL202; ENL204; or consent of instructor.

ENL498 • Research Seminar in English  (fall)  1 credit
Research methodology in literature or journalism. Development of a proposal for a scholarly project to be completed and formally presented in ENL499 or ENW499. May not be taken concurrently with ENL499 or ENW499. Prerequisites: Major in Journalism, or Literature and Writing; junior standing.
ENL499 • Senior Seminar: The Writer as Believer
(spring) 3 credits
Consideration of the problems and opportunities of combining religious belief and the writing of literature, and an investigation of how specific writers have responded. Culminates in the completion of a major research project. Prerequisites: Senior standing; major or minor in English; ENL498.

Writing and Language Courses

ENW100A • Introduction to Creative Writing
(fall, occasionally interim, spring) 3 credits
Exploration of the creative act, addressing writing as a means for discovering the created world and ourselves as created beings within it. Emphasis on writing original work in three major genres: fiction, creative nonfiction, and poetry.

ENW115 • News Writing
(fall, spring) 4 credits
Introduction to fundamentals of reporting and writing for the news media, emphasizing print journalism. Covers news values, news judgment, the structure of news stories, information gathering, research techniques, and Associated Press style. Students learn to write quickly, accurately, and concisely on deadline.

ENW201 • Methods of Tutoring Writing
(fall, spring) 1 credit
Introduction to the practical applications of writing theory, with a focus on tutoring student writers. Course readings with supervision will guide reflection on the student’s work as a Writing Center tutor. Required of all first-time Writing Center tutors.

ENW202A • Fiction Writing
(fall or interim) 4 credits
Practice in modern narrative techniques. Emphasis on writing and peer criticism of short fiction.

ENW205A • Essay Writing
(fall, occasionally interim, spring) 4 credits
Exploration of the great diversity of essay forms with an emphasis on the expository, persuasive, and personal essay. Prerequisite: GES110 or GES145, 146.

ENW206, 306 • Journalism Workshop
(fall, spring) 1 credit
Students may receive one hour of credit for a minimum of 40 hours of writing for an approved campus publication or the campus radio station. Students are limited to one workshop per semester. S/U grading only. May be repeated up to six credits. Not open to first-semester, first-year students.

ENW211 • Feature Writing for Newspapers and Magazines
(fall, odd # yrs) 4 credits
Analyzing, writing, and marketing feature stories of various types—service articles, profiles, human-interest pieces, and in-depth issue articles—for possible publication in newspapers or magazines. Prerequisite: ENW115.

ENW212 • Principles of Editing and Design
(fall) 4 credits
Preparation of copy for publication in newspapers and magazines and exposure to the book publishing process. Includes evaluation of news display, headlines, photos, and typography and working with the Associated Press and Chicago style manuals.

ENW215 • Photojournalism
(interim, odd # yrs) 3 credits
Reporting the news as a photojournalist. Stresses recognition, development, and creation of news photographs and the skills of the photo editor. Provides experience in shooting and editing photos using digital technology. Prerequisites: ENW115 or COM213 or consent of instructor.
ENW300A • Writers Workshop  (interim, occasionally fall or spring) 3 credits
Open to students with a well-defined writing project in a genre of their choice (e.g., fiction, nonfiction, poetry, biography, etc.) to be completed by the end of the course. Regular and frequent consultations with instructor and class sessions with peers for critique and encouragement. Prerequisite: Consent of instructor. Workshop may be repeated for credit with permission of instructor.

ENW301A • Writers Workshop in New York City  (NYCAMs, spring) 4 credits
Open to students with a well-defined writing project in a genre of their choice (e.g., fiction, nonfiction, article collection, poetry, biography) to be completed by the end of the course at the New York Center for Art and Media Studies. Regular and frequent consultations with instructor and class sessions with peers for critique and encouragement will be part of the course, as well as special events and interaction with the writing resources available in New York City. Prerequisite: GES125; Enrollment in the NYCAMS Program in Writing.

ENW303AZ • Travel Writing  (occasionally) 3 or 4 credits
Art and craft of travel writing are studied and practiced while traveling. Focus on reading travel writing from the past and present, and writing about one’s own travel experience as it is happening. May also include reading literature and other books related to the place of travel.

ENW308 • Community Journalism  (interim, even # yrs) 3 credits
Principles of news coverage and management in a community context, including small town, suburban, ethnic, and urban neighborhood publications. Includes exposure to community publications in the metro and out-state areas and a reporting assignment for a community newspaper. Prerequisite: ENW115.

ENW310 • Nonfiction Prose  (fall 2010) 4 credits
Focus on the craft of creative nonfiction, which offers a freedom and scope beyond that of any other genre. Includes examples of well-crafted memoir, nature, travel, and spiritual writing from writers such as E.B. White, Barbara Kingsolver, Anne Lamott, Wendell Berry, Maxine Hong Kingston, and Reynolds Price. Students polish their own nonfiction prose for publication. Prerequisites: ENW205A or ENW211; consent of instructor.

ENW317A • Poetry Writing  (spring) 4 credits
Metrics, imagery, and other techniques of versification, with practice in writing in a wide variety of genres.

ENW319 • Advanced Reporting  (fall, even # yrs) 4 credits
Refinement of interviewing, researching, and writing skills in the development of substantive news stories. Emphasis on off-campus newsgathering and use of public documents and multiple interview sources in the reporting process.

ENW342 • Advocacy Journalism  (interim, odd # yrs) 3 credits
Study of journalism that promotes causes, with special consideration of journalistic history, standards of objectivity and fairness, and methods of newsgathering and reporting. Taught either as an overview or with a focus on one type of advocacy journalism (such as environmental, religious, or political). Prerequisite: ENW115.

ENW360 • Topics in Journalism  (spring) 3 credits
Study of a specialized topic of relevance to the practicing journalist with emphasis on the impact of journalism within a specific cultural context and the unique role of the Christian journalist. Prerequisite: Sophomore standing or consent of department chair.

ENW405 • Publishing and Being Published in New York (NYCAMs, spring) 4 credits
An advanced class covering practical aspects of publishing from an editorial perspective (article selection, editing, layout) and the author’s point of view (query letters, book proposals, contracts, agents). Visits by local writers and editors, as well as visits to publishing houses included. Prerequisites: ENW212; 4 credits in one other writing course; enrollment in NYCAMS program in New York.
ENW481 • Internship in Writing (offered by arrangement) 4 credits
Placement in an off-campus writing position. Must be planned well in advance of placement in consultation with advisor. Prerequisites: Major or minor in the Department of English; completion of 10 credit hours in English; consent of instructor.

ENW499 • Critical Issues in Journalism (spring) 3 credits
Analysis of a variety of topics relevant to the practice of journalism, such as access to the media, protection of confidential sources, truth, accuracy, objectivity, fairness, and diversity, with special consideration given to the role of the Christian journalist. Culminates in the completion of a major research project. Prerequisites: ENW115; ENW212; ENW319; ENL498.

Education Course (see Department of Education)

EDU406 • Methods in Teaching Middle Level English
EDU407 • Practicum in Teaching Middle Level English
EDU408 • Methods in Teaching 9–12 English

PROGRAMS

Major in English Literature (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL102</td>
<td>Survey of British Literature I</td>
<td>4</td>
</tr>
<tr>
<td>ENL202</td>
<td>Survey of British Literature II</td>
<td>4</td>
</tr>
<tr>
<td>ENL204</td>
<td>American Literary Traditions</td>
<td>4</td>
</tr>
<tr>
<td>ENL303</td>
<td>Shakespeare: The Art of the Dramatist</td>
<td>4</td>
</tr>
<tr>
<td>ENL498</td>
<td>Research Seminar in English</td>
<td>1</td>
</tr>
<tr>
<td>ENL499</td>
<td>Senior Seminar: The Writer as Believer</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td>Chaucer and Writers of Arthurian Quests</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Milton and the 17th Century</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Enlightenment and Romantic British Literature</td>
<td></td>
</tr>
<tr>
<td>Choose from:</td>
<td>Studies in American Literature: The Civil War</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Studies in American Literature: The Harlem Renaissance</td>
<td></td>
</tr>
<tr>
<td>Choose from:</td>
<td>20th Century Literature</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Contemporary Literature</td>
<td></td>
</tr>
<tr>
<td>Choose from:</td>
<td>World Literature</td>
<td>3-4 **</td>
</tr>
<tr>
<td></td>
<td>Topics in Literary Studies</td>
<td></td>
</tr>
</tbody>
</table>

General Education: 51-52
Electives: 34-36
TOTAL 122

* A student may also choose to use this course to meet a General Education requirement.
** This requirement can be fulfilled by FRE305, SPA300, SPA305, SPA312, SPA313, or SPA318.
## Major in Journalism (B.A.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENW115</td>
<td>News Writing</td>
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<tr>
<td>ENW206</td>
<td>Journalism Workshop</td>
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</tr>
<tr>
<td>ENW211</td>
<td>Feature Writing for Newspapers and Magazines</td>
<td>4</td>
</tr>
<tr>
<td>ENW212</td>
<td>Principles of Editing and Design</td>
<td>4</td>
</tr>
<tr>
<td>ENW306</td>
<td>Journalism Workshop</td>
<td>1</td>
</tr>
<tr>
<td>ENW319</td>
<td>Advanced Reporting</td>
<td>4</td>
</tr>
<tr>
<td>ENW481</td>
<td>Internship in Writing</td>
<td>4</td>
</tr>
<tr>
<td>ENW499</td>
<td>Critical Issues in Journalism</td>
<td>3</td>
</tr>
<tr>
<td>ENL498</td>
<td>Research Seminar in English</td>
<td>1</td>
</tr>
<tr>
<td>COM213</td>
<td>Media Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM302</td>
<td>Media Law</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One literature course (300-level or above)***</td>
<td>3-4</td>
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<tr>
<td>Choose from:</td>
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<tr>
<td>ENL102</td>
<td>Survey of British Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENL202</td>
<td>Survey of British Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENL204</td>
<td>American Literary Traditions</td>
<td></td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENW308</td>
<td>Community Journalism</td>
<td>3</td>
</tr>
<tr>
<td>ENW342</td>
<td>Advocacy Journalism</td>
<td>3</td>
</tr>
<tr>
<td>ENW360</td>
<td>Topics in Journalism</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
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<td>ENL341K</td>
<td>Environmental Writing</td>
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<tr>
<td>ENW215</td>
<td>Photojournalism</td>
<td></td>
</tr>
<tr>
<td>ENW303AZ*</td>
<td>Travel Writing</td>
<td></td>
</tr>
<tr>
<td>COM300</td>
<td>Online Journalism</td>
<td>3</td>
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<tr>
<td>COM352</td>
<td>Broadcast Journalism</td>
<td>3</td>
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General Education ........................................................................................... 51-52
Electives ........................................................................................................... 23-26

**TOTAL** 122

* A student may also choose to use this course to meet a General Education requirement.

** This requirement can be fulfilled by FRE306, GER306, SPA314, or SPA315.

*** This requirement can be fulfilled with FRE305, SPA310, SPA312, SPA313, or SPA318.
## Major in English Literature and Writing (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENL102</td>
<td>Survey of British Literature I</td>
<td>4</td>
</tr>
<tr>
<td>ENL202</td>
<td>Survey of British Literature II</td>
<td>4</td>
</tr>
<tr>
<td>ENL204</td>
<td>American Literary Traditions</td>
<td>4</td>
</tr>
<tr>
<td>ENW100A*</td>
<td>Introduction to Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENW205A*</td>
<td>Essay Writing</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>ENL498</td>
<td>Research Seminar in English</td>
<td></td>
</tr>
<tr>
<td>ENL499</td>
<td>Senior Seminar: The Writer as Believer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>ENW481</td>
<td>Internship in Writing</td>
<td></td>
</tr>
<tr>
<td>Choose two from:</td>
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<td>8</td>
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<tr>
<td>ENL301</td>
<td>Chaucer and Writers of Arthurian Quests</td>
<td></td>
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<tr>
<td>ENL303</td>
<td>Shakespeare: The Art of the Dramatist</td>
<td></td>
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<tr>
<td>ENL304</td>
<td>Milton and the 17th Century</td>
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<tr>
<td>ENL309</td>
<td>Enlightenment and Romantic British Literature</td>
<td></td>
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<tr>
<td>Choose two from:</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>ENL311</td>
<td>Studies in American Literature: The Civil War</td>
<td></td>
</tr>
<tr>
<td>ENL313</td>
<td>Studies in American Literature: The Harlem Renaissance</td>
<td></td>
</tr>
<tr>
<td>ENL350</td>
<td>20th Century Literature</td>
<td></td>
</tr>
<tr>
<td>ENL352</td>
<td>Contemporary Literature</td>
<td></td>
</tr>
<tr>
<td>ENL365</td>
<td>Topics in Literary Studies</td>
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</tr>
<tr>
<td>Electives from writing (ENW) courses, excluding ENW340</td>
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<td>11</td>
</tr>
</tbody>
</table>

* A student may also choose to use this course to meet a General Education requirement.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL102</td>
<td>Survey of British Literature I</td>
<td>4</td>
</tr>
<tr>
<td>ENL200</td>
<td>Juvenile Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL202</td>
<td>Survey of British Literature II</td>
<td>4</td>
</tr>
<tr>
<td>ENL204</td>
<td>American Literary Traditions</td>
<td>4</td>
</tr>
<tr>
<td>ENL215U*</td>
<td>World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL303</td>
<td>Shakespeare: The Art of the Dramatist</td>
<td>4</td>
</tr>
<tr>
<td>ENL313</td>
<td>Studies in American Literature: The Harlem Renaissance</td>
<td>4</td>
</tr>
<tr>
<td>ENL350</td>
<td>20th Century Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL352</td>
<td>Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENW201</td>
<td>Methods of Tutoring Writing</td>
<td>1</td>
</tr>
<tr>
<td>ENW205A*</td>
<td>Essay Writing</td>
<td>4</td>
</tr>
<tr>
<td>Choose one</td>
<td>3 or 4 credit ENW course</td>
<td>3-4</td>
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<tr>
<td>COM110N*</td>
<td>Basic Communication</td>
<td>3</td>
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<tr>
<td>COM213</td>
<td>Media Communication</td>
<td>3</td>
</tr>
<tr>
<td>EDU200</td>
<td>Introduction to Education</td>
<td>3</td>
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<tr>
<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
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</tr>
<tr>
<td>EDU203</td>
<td>School Health and Drugs</td>
<td>2</td>
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<tr>
<td>EDU220</td>
<td>Introduction to Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU240</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>EDU241</td>
<td>Educational Psychology Field Experience</td>
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<tr>
<td>EDU317GZ*</td>
<td>Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDU406</td>
<td>Methods in Teaching Middle Level English</td>
<td>3</td>
</tr>
<tr>
<td>EDU407</td>
<td>Practicum in Teaching Middle Level English</td>
<td>1</td>
</tr>
<tr>
<td>EDU408</td>
<td>Methods in Teaching 9–12 English</td>
<td>4</td>
</tr>
<tr>
<td>EDU490</td>
<td>Student Teaching Block</td>
<td>15</td>
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</tbody>
</table>

General Education * ............................ 51-52

TOTAL 129-131 **

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 124-125 credits.

Additional Requirements: Students must complete at least one extracurricular activity such as forensics, debate, drama, journalism, a literary journal, or other experience as determined in consultation with the advisor.

Students must earn a grade of C or better in each content area and education course (ENL, ENW, COM, EDU) in the major. Courses with grades of C- or lower must be repeated.
### Minor in English Literature

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL204</td>
<td>American Literary Traditions</td>
<td>4</td>
</tr>
<tr>
<td>ENL102</td>
<td>Survey of British Literature I</td>
<td>4</td>
</tr>
<tr>
<td>ENL202</td>
<td>Survey of British Literature II</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>from literature (ENL) courses at the 200-level or above</td>
<td>10</td>
</tr>
</tbody>
</table>

**TOTAL 18**

* Can include up to 4 credits from FRE305, SPA300, SPA305, SPA312, SPA313, or SPA318 to fulfill this requirement.

### Minor in Creative Writing

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENW100A*</td>
<td>Introduction to Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM305A*</td>
<td>Screenwriting</td>
<td>4</td>
</tr>
<tr>
<td>ENW202A*</td>
<td>Fiction Writing</td>
<td>4</td>
</tr>
<tr>
<td>ENW317A*</td>
<td>Poetry Writing</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>3–4</td>
</tr>
<tr>
<td>ENW303AZ*</td>
<td>Travel Writing</td>
<td>4</td>
</tr>
<tr>
<td>ENW310</td>
<td>Nonfiction Prose</td>
<td>4</td>
</tr>
<tr>
<td>ENL/ENS341K*</td>
<td>Environmental Writing</td>
<td>4</td>
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<td>Choose from:</td>
<td></td>
<td>3–4</td>
</tr>
<tr>
<td>ENW300A*</td>
<td>Writers Workshop</td>
<td>4</td>
</tr>
<tr>
<td>ENW481</td>
<td>Internship in Writing</td>
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</tr>
<tr>
<td>Two electives from courses listed above</td>
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<td>6–8</td>
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</tbody>
</table>

**TOTAL 19–23**

Additional Requirement: At least one approved extracurricular activity such as *Clarion, Coeval, Broadsheet*, or other experience as determined in consultation with advisor.

* A student may also choose to use this course to meet a General Education requirement.

### Minor in Journalism

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>COM213</td>
<td>Media Communications</td>
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</tr>
<tr>
<td>ENW115</td>
<td>News Writing</td>
<td>4</td>
</tr>
<tr>
<td>ENW206</td>
<td>Journalism Workshop</td>
<td>1</td>
</tr>
<tr>
<td>ENW211</td>
<td>Feature Writing for Newspapers and Magazines</td>
<td>4</td>
</tr>
<tr>
<td>ENW212</td>
<td>Principles of Editing and Design</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>3–4</td>
</tr>
<tr>
<td>ENW308</td>
<td>Community Journalism</td>
<td>4</td>
</tr>
<tr>
<td>ENW319</td>
<td>Advanced Reporting</td>
<td>4</td>
</tr>
<tr>
<td>ENW342</td>
<td>Advocacy Journalism</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL 19–20**
The mission of environmental studies at Bethel is to guide students in the pursuit of truth about the workings of creation and the human place in it, and to enable them to practice environmental stewardship in lifestyle and profession. Caring for the whole of creation is an immense privilege and responsibility, and we prepare students for this task through a curriculum that integrates knowledge and perspective from a variety of established disciplines (e.g., biology, chemistry, economics, geology, history, political science). Environmental studies combines classroom and laboratory instruction with a variety of field experiences. Students cap their education in environmental studies by designing and conducting a specific research project under the direction of a faculty mentor. Those who complete the program successfully will be prepared for a variety of types of employment (e.g., natural resource conservation, outdoor education, environmental advocacy) or for graduate school. The number of such opportunities is continually increasing as is the need for educated, committed environmental stewards.

**COURSES**

**ENS102D • Environment and Humanity**  
(fall, spring) 4 credits  
Introduction to environmental studies. Interrelationships and interactions of humans with the natural environment in which they live. Causes of and potential solutions to environmental problems like overpopulation; pollution of water, air, and soil; extinction of wildlife; and degradation of natural and human ecosystems are examined, using the science of ecology as a knowledge base. Lab includes some outdoor and off-campus investigations. Includes 2.5 lab hours.

**ENS201 • Introduction to Geographic Information Systems**  
(fall, odd # yrs) 2 credits  
An introduction to the science, hardware, and software of mapping geographic locations and analyzing information about those locations. Investigation of remote sensing, GPS data collection, GIS data types, editing GIS data, and spatial data analysis and display, with emphasis on applications to creation stewardship problems. (Carries cross-credit in geography.)

**ENS205L • Sustainable Living**  
(spring) 3 credits  
A multidisciplinary approach to the challenges of living a sustainable life in a complex world. Considers how ecological, ethical, and cultural understandings inform our responsibility for personal and global decisions. Prerequisite: GES130 or GES145, 146.

**ENS301 • Wildlife Ecology and Management**  
(spring, even # yrs) 4 credits  
Analysis of terrestrial vertebrate populations, communities, and habitats. Exploration of how these analyses are applied to the manipulation, exploitation, protection, and restoration of animal populations and communities. Laboratory sessions emphasize field investigation of animal populations and habitats with ecological and management techniques. Includes three lab hours. Prerequisites: Two semesters of college biology, including BIO113D or BIO311; junior or senior standing. (Carries cross-credit in biology.)

**ENS305K • Transforming Technology: Environmental Perspectives**  
(spring, odd # yrs) 3 credits  
An examination of the pervasive influence of technology in shaping our views, values, society, and environment. Develops ability to critically analyze technology and the social and environmental influences and impacts of technology. Basic concepts of environmental science serve as a focal point, leading to an understanding of the value-laden nature of technology in our modern society and how such technologies and technological artifacts have changed our environments, our social structures, and our values. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.
**ENNS310K • Human Impacts on Coral Reefs**  
*(interim)* 4 credits  
Travels to the Philippines and Hawaii to study exotic coral reefs and associated environmental issues. Coral reefs worldwide are currently subject to severe anthropogenic stress. Allows students to get in the water to see reefs firsthand, to explore the science and human technology relating to coral reefs, and to meet individuals who are working to address environmental problems. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in biology and general studies.)

**ENNS318K • Ecuador and the Galápagos Islands:**  
*(interim)* 4 credits  
Natural History and Future Prospects  
Travel from base in Quito throughout Ecuador and the Galápagos Islands, surveying the land, climate, plants, animals, homes, transportation, and industries, noting especially the impact of human culture, presence, and activities. Sites include the Amazon rainforest, Andean cloud forests, volcanic mountains, highlands, towns, cities, and the Galápagos Islands. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in biology and general studies.)

**ENNS330K • Science, Values, and the Making of Environmental Policy**  
*(fall, odd# yrs)* 3 credits  
What role do citizens and experts play in the public policy process? Do people approach scientific evidence with competing value perspectives? These questions are examined in order to understand the interplay between key people, institutions, values, and power that is present in a series of environmental policy case studies. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in political science.)

**ENNS335K • Environmental Ethics**  
*(interim)* 3 credits  
An examination of the intersection of science, society, and technology as they pertain to issues in environmental ethics. The course moves from theory by considering science, society, and technology philosophically to application by concluding with a major research project on an applied issue in environmental ethics involving scientific data and technological choice. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in philosophy.)

**ENNS341K • Environmental Writing**  
*(fall or spring)* 3 credits  
As the environmental crisis has deepened, American nature writing has evolved into a richly creative endeavor to understand the complex interactions of nature, technology, and society. A study of environmental writing as a means for valuing biodiversity and for envisioning changes in global policies, applications of technology, and environmental ethics. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in English.)

**ENNS399 • Introduction to Research**  
*(fall)* 1 credit  
An introduction to research methodology in environmental studies and environmental science. Experience in the use of environmental literature and an examination of how to distinguish and evaluate different types of scientific writing and presentations. Development of a proposal for a research project to be completed in ENS496 and formally presented in ENS498. Prerequisites: Major in environmental studies or environmental science; junior standing.

**ENNS481 • Internship in Environmental Studies**  
*(fall, spring, or summer)* 4 credits  
Off-campus field experience working with an environmental organization, business, or governmental agency. Prerequisite: Major in environmental studies or environmental science.

**ENNS496 • Research in Environmental Studies**  
*(fall, spring)* 1 credit  
An opportunity to become involved in an independent research project of student's own choosing in some area of environmental studies. Experience in the collection, manipulation, analysis, and portrayal of information; development of skills needed to be effective in environmental research. Prerequisite: ENS399.
ENS498 • Seminar in Environmental Studies  
A senior capstone course for environmental studies and environmental science majors centered on a multidisciplinary discussion of current environmental issues in society. Discussion of research completed in ENS496 leads to formal written and oral presentations of research. Prerequisite: ENS496.

Au Sable Institute of Environmental Studies  
Several courses in the environmental area are available during the interim and summer terms through the Au Sable Institute of Environmental Studies. Summer term courses offered on a regular basis include Field Botany, Natural Resources Practicum, Animal Ecology, and Water Resources. See the Au Sable advisor in the Department of Biology for additional course offerings and further details.

Creation Care Study Program  
Fall or spring off-campus study is available for students who want to take on the challenge of learning how to care for God’s earth and all its creatures. Courses offered include Tropical Ecosystems, God and Nature, and Sustainable Community Development. See the environmental studies program director for additional information.

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### Programs

<table>
<thead>
<tr>
<th>Major in Environmental Science (B.S.)</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><em>BIO113D</em> Introduction to Organismic Biology</em>*</td>
<td>4</td>
</tr>
<tr>
<td><strong>BIO311 Ecology</strong></td>
<td>4</td>
</tr>
<tr>
<td><em><em>ENS102D</em> Environment and Humanity</em>*</td>
<td>4</td>
</tr>
<tr>
<td><strong>ENS/GEO201 Introduction to Geographic Information Systems</strong></td>
<td>2</td>
</tr>
<tr>
<td><em><em>ENS205L</em> Sustainable Living</em>*</td>
<td>3</td>
</tr>
<tr>
<td><em><em>ENS305K</em> Transforming Technology: Environmental Perspectives</em>*</td>
<td>3</td>
</tr>
<tr>
<td><em><em>ENS/PHI335K</em> Environmental Ethics</em>*</td>
<td>3</td>
</tr>
<tr>
<td><em><em>ENS/ENL341K</em> Environmental Writing</em>*</td>
<td>3</td>
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<tr>
<td><strong>ENS399 Introduction to Research</strong></td>
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<tr>
<td><strong>ENS481 Internship in Environmental Studies</strong></td>
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<tr>
<td><strong>ENS496 Research in Environmental Studies</strong></td>
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<tr>
<td><strong>ENS498 Seminar in Environmental Studies</strong></td>
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</tr>
<tr>
<td><em><em>GEL167D</em> Geology</em>*</td>
<td>4</td>
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<tr>
<td><em><em>HIS/GEO320K</em> History and the Human Environment</em>*</td>
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<td><strong>Choose from:</strong></td>
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<tr>
<td><em><em>CHE103D</em>-104 Introduction to General, Organic, and Biochemistry I &amp; II</em>*</td>
<td></td>
</tr>
<tr>
<td><em><em>CHE111D</em>-212 General Chemistry I &amp; II</em>*</td>
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<tr>
<td><strong>Choose from:</strong></td>
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<tr>
<td><strong>BIO/ENS301 Wildlife Ecology and Management</strong></td>
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<tr>
<td><strong>BIO308 Invertebrate Biology</strong></td>
<td></td>
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<tr>
<td><strong>BIO321 Aquatic Biology</strong></td>
<td></td>
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<tr>
<td><strong>BIO361 Plant Taxonomy and Ecology</strong></td>
<td></td>
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<tr>
<td><strong>BIO366 Environmental Plant Biology</strong></td>
<td></td>
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<tr>
<td><strong>CHE221 Organic Chemistry I</strong></td>
<td></td>
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<tr>
<td><strong>CHE222 Organic Chemistry II</strong></td>
<td></td>
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<tr>
<td><strong>CHE331 Analytical Chemistry I</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CHE332 Analytical Chemistry II</strong></td>
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</tbody>
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| **General Education** | 51-52 |
| **Electives** | 10-11 |
| **TOTAL** | 122 |

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— continued on next page —
With permission of the program director, appropriate courses taken in off-campus programs may substitute for those listed above.

Students are strongly urged to meet the “M” General Education requirement by taking PSY230M Introduction to Statistical Methods and Experimental Design.

*A student may also choose this course to meet a General Education requirement.

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**Major in Environmental Studies (B.A.)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIO113D*</td>
<td>Introduction to Organismic Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO311</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>ENS102D*</td>
<td>Environment and Humanity</td>
<td>4</td>
</tr>
<tr>
<td>ENS205L*</td>
<td>Sustainable Living</td>
<td>3</td>
</tr>
<tr>
<td>ENS305K*</td>
<td>Transforming Technology: Environmental Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>ENS330K*</td>
<td>Science, Values, and the Making of Environmental Policy</td>
<td>3</td>
</tr>
<tr>
<td>ENS335K*</td>
<td>Environmental Ethics</td>
<td>3</td>
</tr>
<tr>
<td>ENS341K*</td>
<td>Environmental Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENS399</td>
<td>Introduction to Research</td>
<td>1</td>
</tr>
<tr>
<td>ENS481</td>
<td>Internship in Environmental Studies</td>
<td>4</td>
</tr>
<tr>
<td>ENS496</td>
<td>Research in Environmental Studies</td>
<td>1</td>
</tr>
<tr>
<td>ENS498</td>
<td>Seminar in Environmental Studies</td>
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</tr>
<tr>
<td>HIS/GEO320K*</td>
<td>History and the Human Environment</td>
<td>3</td>
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</tbody>
</table>

Six additional 3- or 4-credit courses from one or two departments.

At least three courses must be 300-level or above ........................................ 18-23

55-60

General Education ........................................................................................... 51-52

Electives ........................................................................................................... 12-19

TOTAL 122

With permission of the program director, appropriate courses taken in off-campus programs may substitute for those listed above.

Students are strongly urged to meet the “M” General Education requirement by taking PSY230M Introduction to Statistical Methods and Experimental Design.

*A student may also choose this course to meet a General Education requirement.*
The family studies minor is an interdisciplinary program that seeks to foster appreciation and understanding of families in our changing world. Core courses introduce students to the field of family studies and explore family diversity, strengths, theories, communication, sexuality, and policy. Through selected course electives students think critically about varied dimensions of the family including marriage, family life cycle, parent-child, and ethical relationships. Attention is given to Christian perspectives and working to improve the well-being of families through service and leadership. A minor in family studies prepares students for graduate study in family social science, social work, marriage and family therapy, and family ministry. Complementary disciplines are represented by majors in business, biblical and theological studies, education, communication, nursing, psychology, and social work.

### COURSES

**FAS200 • Family Perspectives: Understanding the Family** *(fall)* 3 credits
Theoretical applications to understanding family life. Readings from the family field and American film are used to explore the meaning of family life from a variety of perspectives.

**FAS305 • Family Social Policy** *(fall, even # yrs)* 3 credits
An examination of the linkages of family with societal systems and the consequences of policy for family life. Exploration of community resources and strategies for serving families.

**FAS313G • Families in Cross-Cultural Perspective** *(fall)* 3 credits
Contemporary, historical, and cross-cultural, predominantly non-Western perspective on a variety of family systems and the people living in them. Explores values and assumptions underlying these systems, roles, inter-generational relationships, identity formation and developmental tasks. Prerequisites: GES130 or GES145, GES146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course. (Carries cross-credit with psychology.)
**Minor in Family Studies**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FAS200</td>
<td>Family Perspectives: Understanding the Family</td>
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<tr>
<td>FAS305</td>
<td>Family Social Policy</td>
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<tr>
<td>FAS313G*</td>
<td>Families in Cross-Cultural Perspective</td>
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<tr>
<td>GES208</td>
<td>Human Sexuality</td>
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<tr>
<td>GES426P*</td>
<td>Family Interaction</td>
<td>3</td>
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<td>Choose from:</td>
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<tr>
<td>EDU340</td>
<td>Parent-Child and Family Relationships</td>
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<tr>
<td>GES402P*</td>
<td>Perspectives on Christian Marriage</td>
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<tr>
<td>GES405P*</td>
<td>Ethical Relationships: Choosing the Good in Family and Community Life</td>
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<tr>
<td>GES410P*</td>
<td>Family Life Cycle</td>
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<tr>
<td>GES445P*</td>
<td>Aging from a Cross-Cultural Perspective: Living in a Graying World</td>
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<tr>
<td>GES446P*</td>
<td>Recent Immigrants: Challenges and Potentials</td>
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<tr>
<td>GES451P*</td>
<td>Spirituality, Sexuality, and the Family</td>
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<tr>
<td>PSY203</td>
<td>Lifespan Development</td>
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<tr>
<td>PSY206</td>
<td>Child and Adolescent Development</td>
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<tr>
<td>PSY211</td>
<td>Adult Development and Aging</td>
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</tr>
</tbody>
</table>

**Total:** 21

Students in majors that do not require a human development course should take one for this minor.

Human Biology is recommended as the Laboratory Science course.

Please carefully consult your advisor and the family studies minor advisor.

* A student may also choose this course to meet a General Education requirement.
FILM STUDIES

The film studies minor provides an interdisciplinary program of study that seeks to understand film as an art form, as a medium of communication, and as a cultural force for shaping attitudes, values, and views of the world.

COURSES

FLM200 • Introduction to Film  
(fall) 3 credits
How do films construct meaning and in what contexts are they created and interpreted? Consideration of film as both an art form and a cultural product and focus on film language, history, culture, and criticism.

FLM300 • Film Theory and Interpretation  
(spring) 4 credits
Study of narrative film as a significant art form, including its origins, development, movements, and genres. Both classic and contemporary films will be examined from a wide variety of theoretical perspectives and specific interpretations. Emphasizes the development of analytical skills, writing proficiency, and aesthetic appreciation. Prerequisites: FLM200; junior standing or consent of instructor.

FLM305 • Films of Great Directors  
(interim) 3 credits
Study of representative films by selected directors, emphasizing the director's distinctive themes and cinematic styles. Considers the role of historical and cultural factors in shaping a director's artistic vision. Representative filmmakers may include Bergman, Ford, Hitchcock, Kieslowski, Kurosawa, Scorsese, and Truffaut. Prerequisite: FLM200 or consent of instructor.

FLM481 • Internship in Film Studies  
(by arrangement) 3-4 credits
Placement in an off-campus position in the film industry or allied fields. Student is responsible for finding and securing the position with an appropriate individual or organization. Plan must be approved in advance of placement by the film studies advisor. Prerequisite: Completion of six credit hours toward the film studies minor.
### Minor in Film Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLM200</td>
<td>Introduction to Film</td>
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<tr>
<td>FLM300</td>
<td>Film Theory and Interpretation</td>
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<td>Choose from Film Analysis and Interpretation Courses:</td>
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<tr>
<td>COM213</td>
<td>Media Communication</td>
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<tr>
<td>ENL206</td>
<td>Shakespeare and Film</td>
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<tr>
<td>ENL241L*</td>
<td>Modern Mythmakers</td>
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<tr>
<td>FLM305</td>
<td>Films of Great Directors</td>
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<tr>
<td>PHI215L*</td>
<td>Film and Modern Sensibility</td>
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<tr>
<td>PHI302</td>
<td>Philosophy and Film</td>
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<tr>
<td>PHI310</td>
<td>Aesthetics</td>
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<td>[LAFSC] Theology in Hollywood</td>
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<tr>
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<td>Choose from Film Production courses:</td>
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<tr>
<td>COM305A*</td>
<td>Screenwriting</td>
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<tr>
<td>COM373</td>
<td>Field Production</td>
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<tr>
<td>FLM481</td>
<td>Internship in Film Studies</td>
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<tr>
<td>THA370</td>
<td>Directing</td>
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<td></td>
<td>[LAFSC] Hollywood Production Workshop</td>
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<tr>
<td></td>
<td>[LAFSC] Internship: Inside Hollywood</td>
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<td></td>
<td>[LAFSC] Motion Picture Production</td>
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<tr>
<td></td>
<td>[LAFSC] Professional Screenwriting</td>
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<tr>
<td></td>
<td>Choose two electives from Film Analysis, Interpretation, or Film Production courses:</td>
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</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>19-23</td>
</tr>
</tbody>
</table>

Please carefully consult with your advisor and the film studies advisor.

*A student may also choose this course to meet a General Education requirement.*
FOREIGN LANGUAGES

MODERN LANGUAGE COURSES
American Sign Language
Chinese (Mandarin)
French
German
Spanish
Swedish

(See Department of Modern World Languages)

ANCIENT AND CLASSICAL LANGUAGE COURSES
Biblical Greek
Biblical Hebrew

(See Department of Biblical and Theological Studies, Biblical Classical Language courses)

Latin

(See Department of Biblical and Theological Studies, Biblical Classical Language courses; see also Classics minor)
General Education at Bethel University requires that students take several specific courses along with their choice of courses from various categories. Most of the courses listed below fulfill one of these course or category requirements; however, this is not an exhaustive list. The letter appended to a course number indicates the general education category to which it belongs. See “The General Education Program” and “Pillars of the General Education Curriculum” in the Academic Information section of this catalog for a further description of the purpose and requirements of the General Education program at Bethel University.

COURSES

GES106 • Introduction to the Liberal Arts *(fall, spring) 1 credit*
Introduces students to a liberal arts education at Bethel as a foundation for scholarship, leadership, and service in a changing world. Orient students to campus resources related to academics and encourages the development of personal, academic, and relationship skills needed to be a successful college student.

GES108 • Introduction to Life at Bethel *(fall, spring) 1 credit*
Introduces transfer students to a liberal arts education at Bethel as a foundation for scholarship, leadership, and service in a changing world. Together students explore common issues of transition, personal strengths, and community. Students are oriented to resources (i.e., Bethel Library, essential technology, academic tutoring, etc.) to support and enhance the educational experience at Bethel.

GES109 • Orientation to College Studies *(fall) 2 credits*
Students understand and improve their approach to learning to enhance success in college. Strategies developed in this course are directly applied to learning in the Christianity and Western Culture course as well as other courses taken during fall term. Taught concurrently with Introduction to the Liberal Arts (GES106). Prerequisites: Consent of instructor, enrollment in Christianity and Western Culture (GES130).

GES110 • College Writing *(fall, spring) 3 credits*
Focuses on the knowledge and skills necessary for successful college-level academic research and writing. Emphasizes writing as a process that includes planning/prewriting, drafting, revision, and editing, and affords multiple experiences of the process. Topics include thesis formulation, development, and support; conventions of writing (grammar, usage, and mechanics); ownership of information and creative work (issues of plagiarism, copyright, and ethical management of information); and information literacy competencies. Students are required to perform in-depth research that involves gathering, reading, and evaluating information, and to write a formal research paper that synthesizes information from a variety of properly documented sources.

GES115N • Grimme’s Fairy Tales—Yesterday and Today *(occasionally interim) 3 credits*
The fairy tales of the Grimme Brothers are analyzed in their original forms and in the more modern revisionist forms, including film versions. Historical influences on the tales will be examined and compared with contemporary influences that determine self-identity.

GES125 • Introduction to the Creative Arts *(fall, interim, spring) 4 credits*
Introduces the creative arts and highlights their crucial role in human experience. Art forms included each semester are chosen from music, visual arts, theatre, dance, literature, or film, and highlight their crucial role in human experience. Creative works spanning stylistic, social, and historical contexts are examined in light of such issues as relationships, religion, death/despair, and humor. Students experience and critically interact with creative works and reflect on them from a Christian worldview, with the goal of developing literacy in artistic language as a tool for exploration and aesthetic interpretation and evaluation.
GES130 • Christianity and Western Culture  (fall, spring) 4 credits
Seeks to help students understand the key movements that have influenced the lives of people in Europe and North America up through the Enlightenment. Students read with insight and empathy the writings and lives of those who have influenced the course of world societies. Prepares students to appreciate and evaluate the diverse ways in which Christians have interacted with Western culture by shaping, absorbing, and criticizing the culture of the West.

The Humanities Program

The Humanities Program is a four-course sequence consisting of GES145, GES146, GES245, and GES246. These courses must be taken in order and replace five courses in the Personal Development, Biblical Foundations, and Global Perspectives pillars of Bethel’s General Education program: GES110 College Writing, GES125 Introduction to the Creative Arts, GES130 Christianity and Western Culture, THE201 Christian Theology, and a Contemporary Western Life and Thought (L) course. To derive full benefit from the Humanities Program, students should complete the entire program: Western Humanities in Christian Perspective I-IV. See the Academic Information section of this catalog for further information. Contact the director of the Humanities Program for details. Note: Students entering Bethel in fall 2009 should be aware that the third and fourth courses in this program (GES245, 246) will not be offered in 2010-11. By completing GES145 and 146, students replace GES125 Introduction to the Creative Arts and GES130 Christianity and Western Culture.

GES145, 146 • Western Humanity in Christian Perspective I and II: The Greco-Roman World through the Enlightenment
The two-course sequence focuses on the great writings and works of art, music, and theatre from the Greeks through the European Enlightenment. It emphasizes in-depth reading, discussion, and analysis of texts and works of art to teach how Christians have shaped and responded to civilization. Likely figures for study include Plato, Augustine, Dante, Michelangelo, Luther, Shakespeare, Mozart, and Austen. GES145 is a prerequisite for GES146. Completing both courses (GES145 and GES146) replaces the requirements of Christianity and Western Culture and Introduction to the Creative Arts.

GES245, 246 • Western Humanity in Christian Perspective III and IV  (fall, spring) 4 credits/semester
Not offered in 2010-11
The two-course sequence focuses on the great writings and works of art from the American Founding to the present time. Emphasizes how Christians have shaped and responded to civilization. Likely figures and subjects for study include slave narratives, Lincoln, American jazz, Marx, Bonhoeffer, Flannery O’Connor, and the impressionists. GES146 is a prerequisite for GES245. GES245 is a prerequisite for GES246. Completing both courses (GES245 and GES246) replaces the requirement for College Writing, Christian Theology, and Contemporary Western Life and Thought (L).

GES178N • Creative Evangelism  (interim) 3 credits
Students develop a biblical and theological foundation of lifestyle evangelism. Analysis of various methods and tools of evangelism. Emphasis on opportunities to develop and sharpen ministry skills through personal testimonies, gospel presentations, and field experiences in a wide variety of settings.

GES200 • Ministry Practicum  (spring) 1 credit
Exploration of pastoral ministry as a career through job shadowing. Reflection on area for pastoral ministry. Component of Antioch Way Pre-Seminary Initiatives.
GES202U • Ukrainian Culture and Language  
(occasionally interim) 3 credits
An introduction to Ukrainian culture, language, and history from the origins of the Kyivan Rus to the present. An examination of politics, language, literature, music, art, religion, and persecution. Focuses on modern Ukrainian society, culture, and the daily life of Ukrainians, as well as basic spoken and written Ukrainian. Prerequisite: GES130 or GES145, 146.

GES208 • Human Sexuality  
(spring) 3 credits
An examination of sexuality through the life cycle, focusing on the nature of sexual and reproductive functioning, sexual self-understanding, sexual dimensions of interpersonal relationships, and ethical dimensions of sexuality.

GES209U • Kenyan Culture  
(occasionally interim) 3 credits
An introduction to Kenya’s culture, history (1895-1995), ethnic diversity, and language. The course focuses on modern Kenyan society including complexities involving ethnicity and other social issues, as well as basic spoken and written Swahili. Prerequisite: GES130 or GES145, 146.

GES301K • Global Environmental Changes:  
Humans as Agents of Transformations  
(fall, spring) 3 credits
Humankind has drastically altered the biosphere over the past 300 years. This course examines the processes of transformations in human populations, land, water, and climate over the course of this time. Discussion of how these transformations affect our lives and relationship with nature and how we should respond to these transformations. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES302K • Lethal Microbes  
(fall, interim, spring) 3 credits
Despite amazing scientific and technical successes in medicine in the last century, diseases like AIDS, tuberculosis, and malaria confront us today with both national and global healthcare crises. Living with the lethal microbes responsible for these diseases requires careful inquiry about these organisms and their wide impact on human society. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES303K • Genetics, Ethics, and the Law  
(interim, spring) 3 credits
Study of the ethical and legal dilemmas created by recent advances in biotechnology. Focus on the question of what direction the law should take, specifically in the areas of patent, family, and criminal law. Exploration of the struggle between the Christian worldview, these rapid changes in science, and society’s resolution of the questions these changes produce. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES305K • HIV/AIDS: Anatomy of a Pandemic  
(occasionally interim) 3 credits
Exploration of the history, biology, and social and global impact of the HIV/AIDS pandemic since discovery of the human immunodeficiency virus in 1983. Evaluation of technological advances that have generated anti-retroviral therapies, technological challenges that have prevented vaccine development, and social factors related to availability of medical treatment. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES306K • Nuclear Energy: Past and Present  
(occasionally) 3 credits
Basic scientific principles underlying nuclear fission and fusion, along with a survey of the history of nuclear weapons and reactors from 1935 to the present. Topics include weapon construction and design, delivery systems, and nuclear deterrence, along with current arms reduction agreements and waste problems. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.
GES307K • Natural Resources: Use Them but Don’t Lose Them
A consideration of the use and management of natural resources and their impact on society and vice versa. Primary resources considered include forests, agricultural land, and geologic/mineral resources. GPS and GIS technologies are spotlighted as key management tools. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES308K • Genomic Archaeology and Scientific Revolution (interim) 3 credits
Advances in DNA technology have led to the sequencing of whole genomes, including the human genome, and to a revolution in science. Questions of this course include: “What is this technology?”, “How does it work?”, and “What does it mean to you and me?” Applications related to diabetes, cancer, forensics, genetic engineering, and the nature of life itself are discussed. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES309K • Biology of the Mind (occasionally interim) 3 credits
Survey of contemporary technologies and studies of brain structure and function and their relation to cognitive abilities and emotion. Introduction to modern technologies of brain mapping such as MRI, PET, and CAT Scans. Combines neuroscience, philosophy of self, psychology, linguistics, and sociobiology. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES310K • Human Impacts on Coral Reefs (interim) 3 credits
Travels to the Philippines and Hawaii to study exotic coral reefs and associated environmental issues. Coral reefs worldwide are currently subject to severe anthropogenic stress. Allows students to get in the water to see reefs firsthand, to explore the science and human technology relating to coral reefs, and meet individuals who are working to address environmental problems. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in biology and environmental studies.)

GES311K • Forensics: The Science of Crime (occasionally interim) 3 credits
An introduction to the roles that biology, chemistry, physics, and psychology play in criminal investigations. Discovery, identification, and comparison of physical evidence using various current techniques. Discussion of the processes and limitations of scientific knowledge. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES312G • Disability and Society (occasionally interim) 3 credits
Exploration of ideologies of disability including medical, moral, rehabilitative, and minority approaches. Identification of the social, economic, religious, and other barriers faced by people with disabilities. International perspectives on disability, as well as the concept of a “disability culture.” Experiential learning components included. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

GES314K • Biotechnology (occasionally spring) 3 credits
Biotechnology, or the production of technology through the manipulation of biological systems and its influences on many areas of our lives. Applications of biotechnology such as drug production, human cloning, gene therapy, stem cells, and reproductive technologies, as well as their impact on society are examined. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES315K • Brain Research Technology and Gender Differences (occasionally interim) 3 credits
A review of gender differences revealed by recent brain mapping and scanning technology. MRI, fMRI, PET, and CAT Scans reveal different aspects of brain structure and function. Several other neurologic, hormonal, and genetic technologies will also be reviewed as they relate to physiological and behavioral analysis. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.
GES318KZ • Ecuador and the Galápagos Islands: Natural History and Future Prospects (occasionally interim) 3 credits
Travel from base in Quito throughout Ecuador and the Galápagos Islands, surveying the land, climate, plants, animals, homes, transportation, and industries, noting especially the impact of human culture, presence, and activities. Sites include the Amazon rainforest, Andean cloud forests, volcanic mountains, highlands, towns, cities, and the Galápagos Islands. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in biology and environmental studies.)

GES321K • Human Genetics (fall, spring) 3 credits
Review of modern genetic history, principles, and technology as applied to humans. Includes discussion of classical Mendelian genetics, probability calculation, pedigree analysis, heritability analysis, and cytogenetics. Emphasis on more recent technologies of gene sequencing, genomics, gene therapy, genetic engineering, screening, and early life (embryo) manipulations, stem cell and cloning risks and benefits, among other issues surrounding human genetics. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES322K • Cancer: Science and Society (interim, spring) 3 credits
The biology of cancer; the technologies of cancer diagnosis and treatment; and some social, family, and personal impacts of this disease. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES324K • Greening the Built Environment (occasionally fall) 3 credits
A study and critique of the “built” environment: our homes, places of work and leisure, transportation systems, and food systems. Development of understanding and commitment for designing, living in, and working in our dwellings and communities in ways that demonstrate stewardship toward the creation. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES325 • The Planet Earth: Environmental Responsibility and Christian Stewardship (occasionally) 3 credits
Current state of our planet’s ecology. The balance of nature, its perturbation by the human species, and the possible solutions to the friction between humans and the rest of the biological world. Major emphasis on Christian responsibility for God’s creation. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES326K • Economic Botany (interim) 3 credits
Review of the history, principles, and technology used to domesticate and improve food and beverage crop, lumber, cloth and rope fiber, medicinal, and herbal plants for human use. Emphasis on modern technologies to increase quality, shelf life, transportability, yield, pest resistance, growing season, and soil type tolerances. Includes technologies such as genetic engineering, hybridizing and breeding that raise ethical issues about their long-term impact on humans, other species, and the environment. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES328K • Nutrition: The Total Diet (occasionally) 3 credits
Investigates the science of interactions between proper nutrition and weight management, and examines the appropriate ethical, and perhaps limited, use of technology as a means to reverse obesity. Topics include how hormonal imbalances and genetic alterations may result in failure to regulate appetite and metabolism. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.
GES330K • History of Science in Europe  (occasionally interim) 3 credits
Study of scientists and their discoveries throughout history within the context of an experiential learning opportunity in Europe. Astronomy, biology, chemistry, engineering, mathematics, medicine, and physics are addressed. Evaluation of the effect on society of these disciplines (architecture, art, exploration, philosophy, politics, religion, etc.) will also be evaluated. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES331K • Science in the Fifth Dimension  (fall, interim, spring) 3 credits
An exploration of what science is, what it is not, and how it interacts with its “fifth dimension” (society) in art, politics, technology, culture, medicine, and other aspects of the nonscientific community. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES334K • Perspectives on Computing and Society  (interim, odd # yrs) 3 credits
Impact of computing technology on social, economic, and value systems. Evolution of approaches to software development. Consideration of Christian ethics in the development and application of computing technology in various areas of human activity. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES336GZ • Building Cross-Cultural and Global Leadership Competence in Hawai‘i
Synthesizes theories of global competence and leadership, cultural diversity and cross-cultural competence, individualism and collectivism, critical thinking, and emotional intelligence with shalom and community. Examines and compares cultural groups in Hawai‘i in social-historical context. Incorporates strategies for cross-cultural self-awareness and assessment with cultural and service learning experiences. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

GES338K • Great Controversies in Science and Technology  (spring) 3 credits
Overview of great scientific controversies past and present. Topics include: science versus religion, age of the earth, evolution and creation, global warming, and energy issues. Relationships between science and society with particular emphasis on discerning the difference between scientific results, popular consensus, and societal pressures. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

GES402P • Perspectives on Christian Marriage  (fall, interim, spring) 3 credits
An analysis of the central issues involved in making a wise decision concerning Christian marriage. Topics include: what the Bible says about marriage; whether or not marriage is for you; family of origin concerns; premarital factors associated with marital stability; and planning for success. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES403P • Theatre: A Mirror to Society  (fall, interim, spring) 3 credits
Theatre as a medium that reflects relevant issues within our society. Discussion and contemplation of contemporary issues that may challenge Christians’ personal or collective convictions. Issues may include dysfunctional behavior, racism, environmental or social concerns, as well as current relevant issues selected by students. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES404P • Being Just in an Unjust World  (fall, interim, spring) 3 credits
Study and practice of moral decision making from psychological, philosophical, and Christian perspectives. Includes analysis of moral sensitivity, judgment, and action; and discussion and exercises designed to develop personal skills in these areas. Focal issues may include friendship, human rights, personal sexuality, power/authority, capital punishment, and current issues selected by students. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.
GES405P • Ethical Relationships: Choosing the Good in Family and Community Life (fall) 3 credits
Exploration of the ethics of relationships in the context of ethical theory and Christian virtues and norms. Topics include: marriage and divorce; gender; family caregiving, end of life; professional, work, and business relationships; race relations; economic justice; and consumption ethics. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES407P • Women’s Lives, Women’s Choices (fall, interim, spring) 3 credits
Female experience during adolescence and adulthood, emphasizing female socialization and potential adult roles. Personal experiences, future life choices, and their consequences in light of the course content and Christian faith. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES409P • Christian Leadership in a Secular World (interim) 3 credits
Current issues facing Christian leaders today. The formulation of a personal biblical approach to leadership to enable one to impact society. Involves a variety of personal decisions that are designed to facilitate knowing oneself and understanding one’s own responses in various situations. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES410P • Family Life Cycle (fall, interim, or spring) 3 credits
Study of the stages in the family life cycle, with attention to the factors that cause the family unit to separate during the cycle. Special emphasis on studying one’s own family of origin in light of both Scripture and society’s messages about what family should be. Opportunity to consider preparation for one’s own future family development. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES412P • The Plot Thickens: Character Growth in Literature and Life (occasionally) 3 credits
Readings and discussion of a number of novels and short stories, examining characters and their values, and responses in the face of complex life situations. Insights of narrative theologians will be used to think about building character as individuals and the role of the community in this process. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES413P • Women’s Spiritual Experiences (occasionally fall) 3 credits
Exploration of diverse women’s spiritual experiences by reading spiritual autobiographies, biblical feminist writings, and research on gender and religion. Discussion of how gender influences religious institutions and Christian women’s faith. Students write their own spiritual autobiographies. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES414P • The Theology of J.R.R. Tolkien (occasionally fall) 3 credits
An exploration of the theological issues raised by J.R.R. Tolkien’s “Middle Earth” writings. Theological themes such as evil, salvation, and power will be discussed, with an emphasis placed on choices the characters in the story make with regard to those themes. Attention will also be given to philosophical and literary assumptions/methodologies employed by the author. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.
GES416P • Christian Perspectives of Global Peacemaking  (fall, spring)  3 credits
The dynamics of global peacemaking are drawn from the Christian and biblical perspectives to understand the meaning of peacemaking and how absence of peace affects positive social change. This course, through a service-learning component, explores nonviolent alternatives in addressing social problems such as poverty, hunger, environmental depletion, etc. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES418P • Christian Lives: Contemporary Spiritual Narratives  (occasionally interim)  3 credits
Reading, writing, and viewing contemporary spiritual narratives that explore the dimensions of one's call to the Christian life in the contemporary world. Materials are selected for their spiritual, cultural, and literary value and include both traditional Christian authors (e.g., C.S. Lewis or Dietrich Bonhoeffer) and more recent writers (e.g., Anne Lamott or Lauren Winner). Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES419P • Christian Perspectives on the 20th/21st Centuries  (interim)  3 credits
An examination of significant events and trends of the past century in light of Christian values. Topics include the environment, military intervention, immigration, and the place of the federal government in national life. An understanding of diverse Christian responses to such issues in their historical context, and implications of these perspectives for the 21st century. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES420P • Bioethics  (fall, spring)  3 credits
How technological advances have increased our abilities to conceive, sustain, and alter human lives. How to make morally responsible decisions that shape a just society. Moral issues such as healthcare practices, reproductive methods, allocation of healthcare resources, and biomedical research. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES421P • Social Justice and Christian Responsibility  (occasionally)  3 credits
Attempts to understand selected themes of social justice in the United States and the global community. Examines viewpoints of different groups of Christians concerning issues such as the market economy and business, the positive and negative consequences of international trade, the debate about the fairness of public policies in the United States, and the global community. Explores possible actions of concerned and compassionate Christians in collaboration with others to address problems of social injustice. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES424P • Christian Perspectives on Creation and Evolution  (occasionally)  3 credits
An examination of the positions held by different scientists and Christians in regard to the origins of humans, of the world, and the interpretation of Genesis 1 and 2. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES425P • Censorship and Freedom of Expression  (occasionally)  3 credits
Censorship from the perspective of various disciplines, such as psychology, theology, literature, history, and art. Key issues and formulation of student's own positions. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.
GES426P • Family Interaction  (fall, spring)  3 credits
An integration of a Christian worldview related to the contemporary family unit; approaches to conflict, power, stress, intimacy, and wholeness. The family system in light of contemporary trends and Christian choices. Communication patterns are examined and evaluated. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES427P • Genocide, Terrorism, and Christian Response  (occasionally spring)  3 credits
Examination of the nature of genocide and religious terrorism with an emphasis on psychosocial influences in the actions of perpetrators, bystanders, and victims. Discussion of relevant religious and moral issues. Study includes religious terrorism and selected major genocides of the 20th and 21st centuries. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

GES432P • Christian Responses to Postmodernism  (occasionally)  3 credits
Examination of postmodern theory and its effects on culture, with particular focus on various Christian responses to postmodernism. Attention will be paid to the historical development of postmodernism and the ethical and cultural impacts of postmodernism. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES433P • Biblical Spirituality: Experiencing God  (occasionally)  3 credits
A study of spirituality in a variety of biblical texts, both Old Testament and New Testament. Essential issues related to spirituality will be addressed including: What is spirituality? What are biblical teachings regarding prayer, worship, and spiritual disciplines? How do we interpret biblical texts as guiding paradigms for the contemporary practice of spirituality? Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES434P • The Celtic Tradition  (occasionally interim)  3 credits
Development of Celtic Christianity from pre-Christian roots in legends, druids, and dragons to its contemporary renaissance in art, literature, spirituality, and politics, with particular attention to the interplay of faith and the imagination; theology and literature; indigenous beliefs and Christian worship; language; culture; and politics. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES438P • Christian Music in Context  (fall, interim)  3 credits
Consideration of the nature and function of Christian music in contemporary society, incorporating a study of its development and place in various historical and cultural contexts, as both an avenue for worship and a force for spiritual development. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES440P • Christian Nonviolence  (fall, interim, spring)  3 credits
What it means to be a Christian peacemaker in today’s world. The biblical mandate, the quest for Christian nonviolence in a historical and biographical context, and its implications for the development of conflict-resolution skills and contemporary public policy issues. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES442P • Journey from Hell to Heaven  (occasionally)  3 credits
Explores the dynamics of spiritual growth in the context of contemporary social, political, and economic choices, through a reflective reading of Dante’s Divine Comedy in its entirety. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.
GES444P • Christians and Conflict  
*Fall, interim, spring* 3 credits
Examination of how we are called as Christians to respond to interpersonal conflicts that continually exist in our lives. Emphasis on analyzing many different types of interpersonal conflicts, which include conflicts in friendships, marriages, parent/child relationships, workplaces, and churches. Analyzes conflict as it is portrayed in the media, including conflicts that are currently making headlines in the news. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES445P • Aging from a Cross-Cultural Perspective: Living in a Graying World  
*Occasionally* 3 credits
Aging processes and roles of the older person in our society and other cultures. Choices confronting students in their own aging, their relationship to aging parents and friends, and living and operating as Christians in a rapidly aging world. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES446P • Recent Immigrants: Challenges and Potentials  
*Occasionally* 3 credits
An academic and experiential exploration of immigrant adjustment and appropriate outreach and ministry strategies. A study of the personal, social, and cultural challenges, the potential, and critical needs of immigrants. Service learning required. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES447P • Arab Americans: Past, Present, and Personal  
*Occasionally* 3 credits
An examination of the historical, political, religious, and cultural influences of the Arab peoples of today. Students will begin to develop understanding of Arabs and Islam, and will initiate communication with Arab Americans in Minnesota. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES448P • Abusive Relationships and Christian Responsibility  
*Occasionally interim* 3 credits
Explores different types of intimate violence using research from the fields of communication, psychology, and sociology. Examines the history of domestic violence, the prevalence of intimate violence, the cycles of violence, and the existing secular and Christian response to violence. Consideration and evaluation of choices students may face in light of their Christian values, education, and personal experience. Development of personal strategies regarding perceptions and decisions for responsibility in responding to intimate violence. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES449P • Chance or Design: Our Place in the Cosmos  
*Spring, alternate years* 3 credits
Exploration of recent advances in Big Bang cosmology and planetary science with an emphasis on apparent fine-tuning to conditions suitable for human life. Discussion of the possibility of extraterrestrial life. Analysis of design arguments, with the goal of developing a biblically-sound view of our relationship to nature and God. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES450P • Reconciliation in a Racialized Society  
*Interim* 3 credits
Study of race, racism, and reconciliation in the United States. Starting from the biblical mandate to be righteous people, a focus on discerning past and present racism, understanding the need for racial justice and reconciliation, appreciating different cultures/ethnicities, and engaging students in the process of racial reconciliation. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.
GES451P • Spirituality, Sexuality, and the Family  
(fall, spring) 3 credits
Three powerful forces in everyday life that vitally affect people both personally and collectively. Both past and contemporary influences and experiences that are likely to impact people as they seek to make their personal sexuality, spirituality, and family relationships consistent with Christian values. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES452P • Sports in Society  
(fall, spring) 3 credits
Study of sports as a social phenomenon. Presentation of some of the basic elements involved in the interaction of the active human being. Includes sports and culture, sports in education, social stratification, race, and group dynamics. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES453P • Ethics and Faith in the Workplace  
(occasionally interim) 3 credits
Practical application of what it takes to function as a Christian in today’s workplace. Emphasis on the transition from college to a professional environment, focusing on personal maturity, workplace ethics, and lifelong Christian growth and service. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES454P • Philosophies of Love and Sex  
(fall) 3 credits
Examines different philosophical theories of the nature of love. Explores features associated with love and distinguishes different types of love. Asks whether there are moral or ontological constraints on different types of love. Critically investigates the role of sexuality in contemporary conceptions of love and moves toward the development of Christian attitudes and behaviors related to these complex issues. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES455P • Covenant Relationships: Marriage, Friendship, and Beyond  
(occasionally) 3 credits
An exploration of the relational dynamics of marriage, friendship, and Christian community within the context of the biblical concept of covenant relationship. Competing values within contemporary Western culture (e.g. individualism, hedonism) are explored and critiqued in light of the values associated with covenant community. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.

GES460P • Christian Commitment in a Secular Age: Liberalism and Conservatism  
(occasionally) 3 credits
Despite the appeal of the cliche, “I don’t like labels; they simply put people in boxes,” many of our responses to culture—literary, political, and religious—are broadly “conservative” or “liberal.” Examine a range of issues and texts to determine the sources of liberalism and conservatism and their relation to biblical Christianity. Prerequisites: Senior standing; GES110 or GES245; Nature of Persons (N) course; THE201; Comparative Systems (G) course.
GEOGRAPHY

Geography is the study of the physical environment and its relationship to humanity’s settlements and activities. The goal of the introductory-level course is to familiarize students with the broad spectrum within geographical study. The intermediate-level course work provides deeper understandings of interrelationships in a spatial framework.

COURSES

GEO120 • Introduction to Geography (fall) 3 credits
Physical environment including weather, world climates, landforms, and natural vegetation. Humankind’s response to geographical variations in terms of the use of land and sea, natural resources, population, economic activity, and political and social organization.

GEO201 • Introduction to Geographic Information Systems (fall, odd # yrs) 2 credits
An introduction to the science, hardware, and software of mapping geographic locations and analyzing information about those locations. Investigating remote sensing, GPS data collection, GIS data types, editing GIS data, and spatial data analysis and display, with emphasis on applications to creation stewardship problems. (Carries cross-credit in environmental science.)

GEO320K • History and the Human Environment (fall, spring) 3 credits
Environmental and geographical background of human history. Agriculture, climate, energy resources, transportation, and diseases, especially as they have influenced the historical development of Western Europe and North America. Implications for current and future environmental concerns. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in history.)

GEOLOGY

COURSES

GEL167D • Geology (fall) 4 credits
A study of earth’s structure and the forces that continue to shape it. The fragility, power, and patience of our geologic environment are considered, as well as land use patterns and decisions. Topics include minerals and rocks, geologic time, earthquakes, volcanoes, plate tectonics, glaciers, weathering and erosion, maps/aerial photos, GPS/GIS, groundwater, mineral resources, and streams. Two field trips to exposed rock layers and fossil digs are part of a weekly 2.5 hour lab.
HEALTH AND PHYSICAL EDUCATION

The Department of Health and Physical Education endorses a philosophy that the key to health and wellness is the quality of one’s lifestyle, which has physical, mental, emotional, social, and spiritual aspects. The department’s mission is to promote health and wellness with an emphasis on prevention, life-long learning, and the acquisition of knowledge, attitudes and skills that can be integrated into a holistic lifestyle. Professional degree programs include Athletic Training, Community Health, Exercise Science, Physical Education K-12, and Health Education 5-12. The department provides physical wellness, fitness, and lifetime leisure and sport courses that fulfill general education requirements for all Bethel students. A goal of both the professional programs and the general education courses is to develop whole and holy persons who will strive to be salt and light as ambassadors for Jesus Christ.

COURSES

PEA100Y • Physical Wellness for Life  (fall, spring) 1 credit
Development of the knowledge needed to make wise and healthy lifestyle choices. Development of a lifelong fitness plan as part of a comprehensive wellness perspective. Includes both lecture and lab experience.

Leisure and Lifetime Sports Courses

PEA110Q • Disc Golf  (fall, spring) 1 credit
An introduction to the game of disc golf. Includes history, equipment, etiquette, rules, technique, scoring, and playing of the sport at the disc golf course.

PEA112Q • Walk/Jog/Run  (fall) 1 credit
Basic introduction to running for health. Students learn to monitor heart rates as they progress from a walking/jogging base to runs of up to an hour in length. Proper warmup and recovery are stressed. Students begin with workouts appropriate to their fitness levels and set goals appropriate for those levels.

PEA113Q • Fly-Fishing  (spring) 1 credit
Basic skills and equipment of fly-fishing. Includes history, equipment, fly-tying, fly-casting, knot tying, and basic streamside/lakeside entomology.

PEA114QA • Jazz Dance  (fall) 1 credit
An introductory course in basic jazz dance steps and technique. Emphasis on correct body placement, technique, introduction to various jazz styles, and artistic interpretation.

PEA115QA • Ballet  (spring) 1 credit
An introductory course in basic ballet dance steps and technique. Emphasis on correct body placement, technique, introduction to ballet basics, and artistic interpretation.

PEA116Q • Aerobics  (fall, spring) 1 credit
Development of cardiovascular fitness through aerobic rhythms and exercise. Workout includes varied aerobic conditioning, minimal strength training, and stretching.

PEA117Q • Cycling  (occasionally spring) 1 credit
Introduction to basic cycling skills, basic bicycle maintenance and repair, and cycling safety. Discussion includes cycling for sport (mountain biking, road biking), commuting, and leisure. Cycling responsibility and safety are emphasized.

PEA118Q • Beginning Weight Training  (fall, spring) 1 credit
Physical fitness through weight training. Basic principles of diet, weight training, and completion of an adequate program.
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<td>PEA119Q</td>
<td>Self-Defense</td>
<td>(fall, interim, spring)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Development of the awareness and basic skills necessary for protection and self-defense. Focus on observational and non-confrontational skills used to prevent or postpone physical aggression. Development of competency in the use of physical self-defense measures needed when prevention fails.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA122Q</td>
<td>Badminton</td>
<td>(fall, spring)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Basic badminton skills, player position, and strategy. Includes instruction, drills, practice, playing time, a class tournament, history, rules, etiquette, and equipment needs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA124Q</td>
<td>Fundamentals of Basketball</td>
<td>(occasionally)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Individual skill development, coordination of individual skills with other skills, strategy, and team play for the pick-up or intramural player. Not open to varsity basketball players.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA130Q</td>
<td>Beginning Snowboarding</td>
<td>(interim)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Basic skills of snowboarding to achieve success on easy and intermediate terrain. Includes history, safety, equipment, and development of riding skill and technique on groomed trails.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA131Q</td>
<td>Intermediate Snowboarding</td>
<td>(interim)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Intermediate and advanced boarding skills on intermediate and expert terrain. Emphasis on developing riding technique to tackle bumps, steps, carving, and terrain park features.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA132Q</td>
<td>Golf</td>
<td>(fall, spring)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Basic golf strokes. Instruction and practice of grip, swing, woods, irons, chipping, and putting at the driving range and putting green. Includes history, equipment, etiquette, rules, and scoring, as well as playing time at the golf course.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA133Q</td>
<td>Intermediate Golf</td>
<td>(fall or spring)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Designed for students who have had some instruction and experience with golf. Further development of strokes and emphasis on playing a more consistent golf game. Prerequisite: PEA132Q or consent of instructor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA136Q</td>
<td>Racquetball</td>
<td>(fall, spring)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Basic skills and strategy of racquetball, as well as the rules, regulations, and history of the game. Includes singles, cutthroat, and doubles. Students must provide their own racquet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA138Q</td>
<td>Beginning Downhill Skiing</td>
<td>(interim)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Basic skills of downhill skiing. Includes history, safety, and equipment; walking, climbing, gliding, and traversing the hill; wedge, steer, wide track, and parallel turns; techniques in stopping and controlling speed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA139Q</td>
<td>Intermediate Downhill Skiing</td>
<td>(interim)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Intermediate and advanced turns at slow and intermediate speed on steep, high, and difficult terrain. Opportunity to measure ability through a race course designed for this level of ability.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA140Q</td>
<td>Cross-Country Skiing I</td>
<td>(interim, offered occasionally)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Recreational ski touring techniques. Equipment, waxing, and safety in the winter environment. An all-day ski trip off campus. Open to beginners and intermediates.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA141Q</td>
<td>Cross-Country Skiing II</td>
<td>(occasionally interim)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Reinforcement and development of diagonal stride techniques and beginning skate-skiing techniques for intermediate skiers. Discussion of more advanced waxing techniques and equipment. Includes one extended ski off campus. Prerequisite: PEA140Q or consent of instructor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEA142Q</td>
<td>Slow-Pitch Softball</td>
<td>(fall, spring)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Fundamental skills of slow-pitch softball for the recreational player.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PEA144Q • Beginning Tennis  
(fall, spring) 1 credit  
Basic tennis strokes. Includes instruction, drills, practice, and playing time. Covers rules, simple strategy, player position, etiquette, and guidelines for equipment selection.

PEA145Q • Intermediate Tennis  
(spring) 1 credit  
Further development of basic tennis skills with emphasis on solid and consistent stroking. Instruction, drills, practice, and playing time on the serve, forehand and backhand ground strokes, volleys, lobs, and overheads. Game-playing strategy, tiebreakers, and player position. Prerequisite: PEA144Q.

PEA146Q • Volleyball  
(fall, spring) 1 credit  
Power volleyball skills and techniques involved in volleyball as a recreational sport. Rules, strategy, as well as the application of rules in game situations. Traditional 6-on-6, coed, and reverse 4s are taught under the rules of USA volleyball. Emphasis on developing a positive attitude toward playing the game of volleyball.

PEA147Q • Intermediate Volleyball  
(spring, even # yrs) 1 credit  
Competitive volleyball play in which participants learn a variety of volleyball strategies, offenses, defenses, and various styles of play. Traditional 6-on-6, coed, and reverse 4s are used for competition under the rules of USA volleyball. Emphasis on applying rules in game situations, not only as a player, but as an official as well. Prerequisite: PEA146Q or participation in high school varsity volleyball.

PEA150Q • Lifeguarding I  
(spring, odd # yrs) 2 credits  
Development of the highest possible skill level in the five basic strokes, as well as instruction and practice in basic skills to save one’s own life or the life of another. Opportunity to receive a Red Cross Lifeguarding I Certificate. Prerequisites: Advanced swimming proficiency; current CPR and First Aid certification (may be taken concurrently).

**Athletic Training Courses**

ATR279 • Introduction to Athletic Training  
(spring) 2 credits  
An introduction to athletic training combining didactic and clinical learning experiences. Provides the athletic training student with a basic understanding and working knowledge of training room policies and procedures. Students begin completing clinical proficiencies as part of the clinical education program. Topics include injury management, therapeutic exercise and modalities, and pharmacology. Prerequisites: Sophomore class standing; admission to athletic training education program.

ATR325 • Prevention and Care of Athletic Injuries  
(spring) 3 credits  
Techniques for prevention and care of athletic injuries. Practical experience in the athletic training room. Prerequisites: HPE120; BIO201 or BIO209.

ATR331 • Organization and Administration of Athletic Training  
(fall, even # yrs) 2 credits  
Methods for planning, coordinating, and supervising all administrative components of an athletic training program pertaining to healthcare, financial management, training room management, personnel management, and public relations. Prerequisite: ATR325.

ATR332 • Advanced Athletic Training—Lower Extremity  
(fall) 3 credits  
Advanced techniques for the evaluation and treatment of athletic injuries to the lower extremity. Prerequisites: ATR325; BIO201; BIO202.

ATR333 • Advanced Athletic Training—Upper Extremity  
(spring) 3 credits  
Advanced techniques for the evaluation and treatment of athletic injuries to the upper extremity. Prerequisites: ATR325; BIO201; BIO202.
ATR335 • Athletic Training Clinical Assessment I  (spring) 1 credit
A laboratory course designed to assess the athletic training student’s mastery of clinical skills and problem-solving abilities based upon the Board of Certification (BOC) Role Delineation Study. Content includes material from ATR325; ATR332; ATR351. Prerequisites: Admission to athletic training education program; ATR325; ATR332; ATR351.

ATR336 • Clinical Proficiencies in Athletic Training  (interim, spring) 1 credit
Clinical experiences designed to provide Athletic Training students the opportunity to practice, refine, and master previously learned psychomotor and cognitive athletic training skills. Prerequisite: Admission to athletic training education program.

ATR351 • Therapeutic Modalities  (fall) 3 credits
Various therapeutic modalities used in the treatment of sport-related injuries. Includes the use of thermal, electrical, light, and acoustical media as modalities for therapy. The physiological effects, clinical applications, and techniques for use are discussed for each modality. Includes practical experience. Prerequisite: ATR325.

ATR352 • Therapeutic Exercise  (spring) 3 credits
Design, implementation, and supervision of rehabilitation programs for sport-related injuries. Topics include reconditioning programs, manual therapy, and functional rehabilitation. Includes laboratory experience in the various techniques used in therapeutic exercise. Prerequisite: ATR325.

ATR386 • Pathology and Medical Conditions  (fall) 3 credits
The study of physiological responses of human growth and development and the progression of injuries, illnesses, and diseases. Included is the recognition, treatment, and appropriate referral for general medical conditions and disabilities of athletes and others involved in physical activity. Prerequisites: BIO201 and BIO202 or equivalent.

ATR435 • Athletic Training Clinical Assessment II  (spring) 1 credit
A laboratory course designed to assess the athletic training student’s mastery of clinical skills and problem-solving abilities based upon the BOC Role Delineation Study. Content includes material from ATR333 and ATR352 or ATR351. Prerequisites: Admission to athletic training education program; ATR333; ATR335; ATR352; ATR351.

ATR436 • Clinical Proficiencies in Athletic Training II  (interim, spring) 1 credit
Clinical experiences designed to provide Athletic Training students the opportunity to practice, refine, and master previously learned psychomotor and cognitive athletic training skills. Prerequisites: ATR336; admission to athletic training education program; and senior standing.

ATR478 • Senior Seminar in Athletic Training  (spring) 1 credit
Athletic training students develop counseling and referral skills that enable them to implement effective patient interaction strategies related to sports medicine. Other topics include professional development and ethics, preparation for the BOC exam, and pharmacology.

Health and Physical Education Courses

HPE120 • First Aid  (fall, spring) 2 credits
Emphasizes the citizen responder as the first link in the emergency medical services system through the American Red Cross Responding to Emergencies course. Includes first aid, community CPR, and AED essentials.

HPE130 • Personal and Community Health  (spring) 3 credits
Focus on health promotion and the development of skills to make informed lifestyle decisions. Examination of current information on major health issues including exercise, nutrition, stress, tobacco/alcohol/drug use, mental health, sexual health, environmental health, and disease. Emphasis on the importance of becoming an advocate for personal, family, and community health.
HPE200Q • Professional Activities I  (fall) 4 credits
Developmental progressions to improve personal skill through instruction, practice, and corrective feedback. Exposure to various teaching methods while participating in individual and dual sports that include badminton, golf, gymnastics, tennis, and track and field. Students lacking competency in lifetime activities are encouraged or required (at discretion of the department) to take one or more separate Q courses to meet competency. Prerequisite: Sophomore class standing or consent of instructor.

HPE201 • Foundations of Physical Education  (fall) 2 credits
An examination of the historical, philosophical, sociological, and psychological foundations of physical education from its earliest beginnings through the 20th century. Development of a philosophical base for physical education and study of specific issues, trends, and professional opportunities related to physical education and sport. Prerequisites: GES110 College Writing or GES145, 146 Western Humanity in Christian Perspective I and II.

HPE205QA • Self-expressions through Rhythms and Dance  (occasionally) 2 credits
Provides students with opportunities to experience a wide variety of rhythmic movement and dance to enhance creative expression, fitness development, and understanding of, and appreciation for, a variety of dance forms. Students think and move creatively and develop rhythmic skills through participation in aerobic dance, square dance, ethnic dance, and ballroom dance.

HPE210 • Professional Activities II  (spring) 3 credits
Development of usable progressions and teaching methods for teaching the skills involved in team sports. Emphasis on personal skill practice, with attention to motivation, feedback, and other concepts of motor learning. Sports include flag football, soccer, volleyball, basketball, team handball, and softball. Students lacking basic skill(s) competency in one or more team sports will be encouraged or required (at discretion of the department) to take a separate course for one of those sports.

HPE215 • Professional Activities III  (fall) 2 credits
Developmental progressions to improve personal skill through instruction, practice and corrective feedback. Exposure to various teaching methods, while participating in swimming, weight training, and aerobic exercise. Prerequisite: Sophomore class standing or consent of instructor.

HPE220A • Educational Rhythms  (spring, even # yrs) 3 credits
Principles of teaching rhythmic movement, emphasizing aspects of creativity, square dance, social dance, rhythms with equipment, and ethnic dances from various countries. Includes practice and incorporation of skills into multiple teaching situations. Prerequisite: Sophomore class standing or consent of instructor.

HPE225 • Foundations of Health Education  (spring) 2 credits
Introduction to the health education and health promotion professions, including historical, philosophical, and theoretical foundations of school and community health. Exploration of theories of behavior change, the responsibilities and competencies of health educators, and investigates career opportunities in health education and health promotion. Professional organizations and certification for the field of health education and promotion are addressed.

HPE247 • Motor Development and Learning  (spring) 3 credits
The mechanisms of human motor learning and development with special emphasis on the physical and psychological principles involved in the acquisition and maintenance of motor skills.
HPE250M • Statistics and Research Methods in Applied Health Science  
(spring) 3 credits
Research planning, structuring, administering, and evaluating health, physical activity and rehabilitative science protocols for healthy and special populations using parametric and nonparametric statistical techniques (descriptive, correlational, and inferential statistics). The research proposal developed in this course may be utilized for data collection and presentation in future course work.

HPE261 • Theory and Practice of Coaching  
(spring) 4 credits
Theoretical and practical aspects of coaching. Topics include coaching philosophy, game and practice management, drill design, player and coach relationships, and psychological and sociological aspects of sport and/or coaching.

HPE262 • Coaching of Baseball  
(spring, odd # yrs) 1 credit
Advanced skills, strategy, techniques, and coaching philosophy of baseball. Recommended for students seeking the coaching minor.

HPE263 • Coaching of Basketball  
(fall, odd # yrs) 1 credit
Advanced skills, strategy, techniques, and coaching philosophy of basketball. Recommended for students seeking the coaching minor.

HPE264 • Coaching of Football  
(fall, odd # yrs) 1 credit
Advanced skills, strategy, techniques, and coaching philosophy of football. Recommended for students seeking the coaching minor. Basic terminology and position nomenclature for the introduction to coaching football.

HPE265 • Coaching of Hockey  
(spring, even # yrs) 1 credit
Advanced skills, strategy, techniques, and coaching philosophy of hockey. Recommended for students seeking the coaching minor.

HPE266 • Coaching of Track and Field  
(fall, even # yrs) 1 credit
Advanced skills, strategy, techniques, and coaching philosophy of track and field. Recommended for students seeking the coaching minor.

HPE267 • Coaching of Volleyball  
(fall, even # yrs) 1 credit
Advanced skills, strategy, techniques, and coaching philosophy of volleyball. Recommended for students seeking the coaching minor.

HPE268 • Coaching of Fastpitch Softball  
(spring, odd # yrs) 1 credit
Advanced skills, strategy, techniques, and coaching philosophy of softball. Recommended for students seeking the coaching minor.

HPE269 • Coaching of Soccer  
(fall, even # yrs) 1 credit
Fundamental and advanced technical skills for coaching various age levels. Team tactics and concepts of different ability levels as well as development of a personal coaching philosophy. Recommended for students seeking the coaching minor.

HPE270 • Applied Nutrition and Physical Fitness  
(spring, even # yrs) 3 credits
Effects of nutrition on human performance in athletics. Eating disorders, weight control, and society’s effects on today’s trends.

HPE306 • Administration of Athletics and Physical Education  
(fall, odd # yrs) 2 credits
Theories, procedures, and problems involved in the administration of athletic and physical education programs at the interscholastic level and in fitness organizations.

HPE314 • Administration and Evaluation of Health Education  
(spring, odd # yrs) 3 credits
Examination of the theoretical and practical basis for planning, implementing, administering, and evaluating school and community health education and promotion programs. Prerequisite: HPE225.
HPE316 • Curriculum Development in Physical Education  
*(spring, odd # yrs)* 3 credits
Curriculum theory, history, and philosophy. Procedures for translating theory into workable models for physical education, grades K–12, and non-school settings. Writing unit and lesson plans that reflect sequencing of content by students’ developmental levels. Prerequisite: Sophomore standing.

HPE318 • Epidemiology  
*(fall, even # yrs)* 3 credits
Study of distribution of health and disease in populations and its influential or determining factors. Examination of methodological and analytical techniques to summarize health-related indicators in populations. Focus on the tools and epidemiologic methods used to identify, prevent, and control disease and health-related conditions. Review of the epidemiology of many major diseases and health-related conditions. Prerequisites: HPE130; BIO103D; BIO209 or both BIO201 and BIO202.

HPE320 • Developmental and Adapted Physical Education  
*(spring, odd # yrs)* 3 credits
Developmental, remedial, and corrective means to meet the needs of special students in grades K-12 and non-school settings. Emphasis on underlying principles of perceptual and motor development, and use of principles in programming for a variety of disabilities. Includes a 20- to 30-hour practicum in a field setting.

HPE340 • School Health and Drug Issues  
*(fall)* 3 credits
Examines the roles of teachers and schools in responding to adolescent health problems, with particular attention to health promotion, prevention, and referral and the unique role of the school health educator in this process. Topics include alcohol/drug use and abuse, mental health issues, eating disorders, violence, child abuse and neglect, and injuries. Emphasis on the characteristics of effective coordinated school health programs, including the development of comprehensive prevention curriculum.

HPE345 • Disease and Injury Control  
*(fall, odd # yrs)* 3 credits
Analysis of chronic diseases, infectious diseases, and injuries from both personal and societal perspectives. Focuses on the prevention, identification, and control of diseases and injuries. Examines the relationship of health promotion and lifestyle to disease and injury. Prerequisites: HPE120; HPE130.

HPE375 • Biomechanics  
*(fall)* 3 credits
Mechanics of sports performance and anatomical kinesiology. Newtonian mechanics, types of motion, application of force, maintenance of equilibrium, and fluid dynamics. Prerequisites: BIO201 or BIO209; Mathematics (M) course. PHY100D and HPE247 recommended.

HPE376 • Exercise Physiology for Health and Physical Education  
*(fall)* 3 credits
Basic physiological training and adaptation as related to the performance of sports skills, health and physical education instruction. Prerequisite: BIO209.

HPE379 • Exercise Physiology  
*(spring)* 3 credits
Examination of how normal physiological function (homeostasis) is altered, and subsequently restored, in response to various forms of stress (exercise and training). Prerequisites: BIO201; BIO202.

HPE390K • Decision-Making and Medical Technology  
*(interim)* 3 credits
Exploration of health technologies that may be both harmful and beneficial to human health are explored from the perspectives of ethical decision making, psychosocial dynamics, faith, and health policy formation. Topics include genetic testing, contraceptives, intensive treatment of newborns, assisted reproduction, organ transplantation, enhancement technologies, aging, and end-of-life decisions. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.
HPE399 • Physiological Assessment \( (spring) \) 4 credits
Applied techniques in the measurement of exercise bioenergetics, neuromuscular performance, cardiorespiratory fitness, and other health components. Particular emphasis is given to the knowledge necessary for exercise testing certifications and development of fitness testing skills. Prerequisite: HPE379.

HPE420 • Athletic Coaching Practicum \( (fall, interim, spring) \) 2 credits
A practical coaching experience in an off-campus setting, applying knowledge and skill proficiency under dual supervision of a professional coach at Bethel and an on-site professional coach. Designed by the student in consultation with a staff or faculty person. Prerequisites: Minor in athletic coaching; senior standing or consent of instructor.

HPE440 • Essentials of Strength Training and Conditioning \( (spring) \) 3 credits
The design, evaluation, and implementation of strength training and conditioning programs. Content includes background in exercise science, nutrition, exercise techniques, testing and evaluation, and administration. Helps students prepare for fitness industry certification exams such as the National Strength and Conditioning Association's Certified Strength and Conditioning Specialist credential (CSCS). Prerequisite: HPE376 or HPE379, or permission of instructor.

HPE445 • Human Performance Laboratory \( (fall) \) 3 credits
Performance and interpretation of assessments in the human performance laboratory. Activities focus on how to run a human performance laboratory and refine and master previously learned physiological assessment skills. Data collection, reduction, and research activity are included. Prerequisite: HPE399.

HPE481 • Internship in Health and Physical Education \( (fall, spring) \) 3 credits
A practical experience in an off-campus setting in applying academic knowledge and professional skills under the dual supervision of a faculty member and a practicing professional. Designed by student in consultation with a faculty member. Application must be made at least one semester prior to the intended experience. Prerequisite: Major in physical education, community health, or exercise science.

HPE498 • Senior Seminar in Exercise Science \( (spring) \) 3 credits
Requires reading, writing, discussion, and application on pertinent topics in exercise and rehabilitation sciences. Includes an in-depth individual research project and presentation. Prerequisites: HPE445; major in exercise science; senior standing.

HPE499 • Health Senior Seminar \( (spring) \) 3 credits
Foundational issues of community health and relationship to other disciplines. Integration of the theory and practice of community health with the Christian faith. Includes an in-depth individual research project. Prerequisites: Major in community health; senior standing.

Education Courses (see Department of Education)

EDU422 • Curriculum and Methods of 5-12 Health Education
EDU424 • Methods in Teaching K-12 Physical Education
<table>
<thead>
<tr>
<th>Major in Exercise Science (B.S.)</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR325 Prevention and Care of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>HPE120 First Aid</td>
<td>2</td>
</tr>
<tr>
<td>HPE130 Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td>3-4</td>
</tr>
<tr>
<td>HPE200Q* Professional Activities I</td>
<td></td>
</tr>
<tr>
<td>HPE210 Professional Activities II</td>
<td></td>
</tr>
<tr>
<td>HPE247 Motor Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>HPE250M* Statistics and Research Methods in Applied Health Science</td>
<td>3</td>
</tr>
<tr>
<td>HPE270 Applied Nutrition and Physical Fitness</td>
<td>3</td>
</tr>
<tr>
<td>HPE375 Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>HPE379 Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>HPE399 Physiological Assessment</td>
<td>4</td>
</tr>
<tr>
<td>HPE445 Human Performance Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>HPE481 Internship in Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>HPE498 Senior Seminar in Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td>4</td>
</tr>
<tr>
<td>BIO103D* Human Biology</td>
<td></td>
</tr>
<tr>
<td>BIO109D* General Biology</td>
<td></td>
</tr>
<tr>
<td>BIO112D* Introduction to Molecular and Cellular Biology</td>
<td></td>
</tr>
<tr>
<td>BIO201 Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIO202 Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>CHE111D* General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td>4</td>
</tr>
<tr>
<td>PHY100D* Concepts in Physics</td>
<td></td>
</tr>
<tr>
<td>PHY200D* Introductory Physics I</td>
<td></td>
</tr>
<tr>
<td>PSY100 Introduction to Psychology</td>
<td>3</td>
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</tbody>
</table>

Total: 62-63

General Education: 51-52
Electives (4 credits must be at 300 level or above): 7-10
TOTAL: 122

* A student may also choose to use this course to meet a General Education requirement.

Students must earn a grade of C or better in each course in the major (ATR, HPE, BIO, CHE, PHY, PSY). Courses with grades of C- or lower must be repeated.
## Major in Physical Education K–12 (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE120</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>HPE130</td>
<td>Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HPE200Q*a</td>
<td>Professional Activities I</td>
<td>4</td>
</tr>
<tr>
<td>HPE201</td>
<td>Foundations of Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>HPE210*a</td>
<td>Professional Activities II</td>
<td>3</td>
</tr>
<tr>
<td>HPE215</td>
<td>Professional Activities III</td>
<td>2</td>
</tr>
<tr>
<td>HPE220A*</td>
<td>Educational Rhythms</td>
<td>3</td>
</tr>
<tr>
<td>HPE247</td>
<td>Motor Development and Learning</td>
<td>2</td>
</tr>
<tr>
<td>HPE250M*</td>
<td>Statistics and Research Methods in Applied Health Science</td>
<td>3</td>
</tr>
<tr>
<td>HPE306</td>
<td>Administration of Athletics and Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>HPE316</td>
<td>Curriculum Development in Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>HPE320</td>
<td>Developmental and Adapted Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>HPE340</td>
<td>School Health and Drug Issues</td>
<td>3</td>
</tr>
<tr>
<td>HPE375</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>HPE376</td>
<td>Exercise Physiology for Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BIO101D*</td>
<td>Principles of Biology</td>
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<tr>
<td>BIO109D*</td>
<td>General Biology</td>
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<tr>
<td>BIO209</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>EDU200</td>
<td>Introduction to Education</td>
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<tr>
<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU220</td>
<td>Introduction to Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU240</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU241</td>
<td>Educational Psychology Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU317GZ*</td>
<td>Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDU320</td>
<td>Pedagogy of the Young Adolescent Learner</td>
<td>2</td>
</tr>
<tr>
<td>EDU424</td>
<td>Methods in Teaching K-12 Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU425</td>
<td>Middle Level Education Practicum in Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>EDU490</td>
<td>Student Teaching Block</td>
<td>15</td>
</tr>
<tr>
<td>General Education</td>
<td>51-52</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>137-138**</td>
<td></td>
</tr>
</tbody>
</table>

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 129 credits.

*a Students lacking competency in motor skills may be required to take additional one-credit Leisure and Lifetime Sports courses to improve their performance level.

Students must earn a grade of C or better in each content area and education course (HPE, BIO, EDU) in the major. Courses with grades of C- or lower must be repeated.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE120</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>HPE130</td>
<td>Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HPE225</td>
<td>Foundations of Health Education</td>
<td>2</td>
</tr>
<tr>
<td>HPE314</td>
<td>Administration and Evaluation of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>HPE318</td>
<td>Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>HPE340</td>
<td>School Health and Drug Issues</td>
<td>3</td>
</tr>
<tr>
<td>HPE345</td>
<td>Disease and Injury Control</td>
<td>3</td>
</tr>
<tr>
<td>BIO103D*</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO209</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
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<tr>
<td>EDU200</td>
<td>Introduction to Education</td>
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<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
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<td>EDU220</td>
<td>Introduction to Middle Level Education</td>
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<td>EDU240</td>
<td>Educational Psychology</td>
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<td>EDU241</td>
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</tr>
<tr>
<td>EDU317GZ*</td>
<td>Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDU320</td>
<td>Pedagogy of the Young Adolescent Learner</td>
<td>2</td>
</tr>
<tr>
<td>EDU422</td>
<td>Curriculum and Methods of 5-12 Health Education</td>
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<tr>
<td>EDU423</td>
<td>Middle Level Education Practicum in Health</td>
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<tr>
<td>EDU490</td>
<td>Student Teaching Block</td>
<td>15</td>
</tr>
<tr>
<td>GES208</td>
<td>Human Sexuality</td>
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</tbody>
</table>

**General Education**

51-52

**Electives**

5-6

**Total**

122

*A student may also choose to use this course to meet a General Education requirement.

Students must earn a grade of C or better in each course in the major (HPE, BIO, EDU, GES). Courses with grades of C- or lower must be repeated.
### Major in Community Health (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE120</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>HPE130</td>
<td>Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HPE225</td>
<td>Foundations of Health Education</td>
<td>2</td>
</tr>
<tr>
<td>HPE250M*</td>
<td>Statistics and Research Methods in Applied Health Science</td>
<td>3</td>
</tr>
<tr>
<td>HPE314</td>
<td>Administration and Evaluation of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>HPE318</td>
<td>Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>HPE345</td>
<td>Disease and Injury Control</td>
<td>3</td>
</tr>
<tr>
<td>HPE390K*</td>
<td>Decision Making and Medical Technology</td>
<td>3</td>
</tr>
<tr>
<td>HPE481</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>HPE499</td>
<td>Health Senior Seminar</td>
<td>3</td>
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<tr>
<td>BIO103D*</td>
<td>Human Biology</td>
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<tr>
<td>BIO201</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIO202</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>CHE103D*</td>
<td>Introduction to General, Organic, and Biochemistry I</td>
<td>4</td>
</tr>
<tr>
<td>GES208</td>
<td>Human Sexuality</td>
<td>3</td>
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<tr>
<td>PSY100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY203</td>
<td>Lifespan Development</td>
<td>3</td>
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</tbody>
</table>

General Education ............................................................................................51-52

Electives ............................................................................................................ 17-18

TOTAL 122

* A student may also choose to use this course to meet a General Education requirement.

### Major in Athletic Training (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>ATR279b</td>
<td>Introduction to Athletic Training</td>
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</tr>
<tr>
<td>ATR325b</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>ATR331b</td>
<td>Organization and Administration of Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATR332b</td>
<td>Advanced Athletic Training—Lower Extremity</td>
<td>3</td>
</tr>
<tr>
<td>ATR333b</td>
<td>Advanced Athletic Training—Upper Extremity</td>
<td>3</td>
</tr>
<tr>
<td>ATR355b</td>
<td>Athletic Training Clinical Assessment I</td>
<td>1</td>
</tr>
<tr>
<td>ATR366b</td>
<td>Clinical Proficiencies in Athletic Training I</td>
<td>1</td>
</tr>
<tr>
<td>ATR351b</td>
<td>Therapeutic Modalities</td>
<td>3</td>
</tr>
<tr>
<td>ATR352b</td>
<td>Therapeutic Exercise</td>
<td>3</td>
</tr>
<tr>
<td>ATR386b</td>
<td>Pathology and Medical Conditions</td>
<td>3</td>
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<tr>
<td>ATR435b</td>
<td>Athletic Training Clinical Assessment II</td>
<td>1</td>
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<tr>
<td>ATR436b</td>
<td>Clinical Proficiencies in Athletic Training II</td>
<td>1</td>
</tr>
<tr>
<td>ATR478b</td>
<td>Senior Seminar in Athletic Training</td>
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</tr>
<tr>
<td>HPE120</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>HPE250M</td>
<td>Statistics and Research Methods in Applied Health Science</td>
<td>3</td>
</tr>
<tr>
<td>HPE270</td>
<td>Applied Nutrition and Physical Fitness</td>
<td>3</td>
</tr>
<tr>
<td>HPE375</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>HPE379</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose from:

- BIO103D*  Human Biology
- BIO112D*  Introduction to Molecular and Cellular Biology
- BIO113D*  Introduction to Organismic Biology
- BIO201    Human Anatomy

--- continued on next page ---
The Bethel University Athletic Training Education Program (ATEP) is accredited by the commission on Accreditation of Athletic Training Education Programs (CAATE) and is designed to prepare students for the Board of Certification (BOC) and for careers as certified athletic trainers.

* A student may also choose to use this course to meet a General Education requirement.
** Because of possible double counting between General Education and the major, the total of 122 credits can include up to 12 credits of electives.
*** This course fulfills the General Education Requirement of an Activity Course (Q).

Students interested in pre-physical therapy should take PHY200D Introductory Physics I, and BIO112D Introduction to Molecular and Cellular Biology or BIO113D Introduction to Organismic Biology. They should consult the health professions advisor at Bethel for additional courses that may be required, dependent upon the graduate physical therapy program they choose.

Courses with ATR designator must be completed in residence at Bethel University.

Students planning to complete the course of study in athletic training must apply to the Athletic Training Education Program (ATEP) in the fall of their sophomore year. Enrollment may be limited due to constraints of clinical settings. **Students may not graduate with the athletic training major without completing all clinical requirements for the ATEP.**

### REQUIREMENTS FOR ADMISSION

Because of the limited opportunities for clinical experience in the Bethel University ATEP, a selection process is necessary to identify the most appropriate candidates for the available positions. A selection committee will evaluate each candidate based on overall GPA, GPA in the prerequisite courses, personal interviews with the selection committee, written application materials, and letters of recommendation. The number of students accepted into the ATEP each year is dependent upon the constraints of clinical settings and the number of clinical supervisors available.

Application packets are available in the health and physical education office by November 1. Each candidate must have all application materials, including personal reference forms, on file in the program director's office by January 7. Selections are made in January, and successful candidates begin their clinical experiences in February.

---

### Course List

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO202</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>CHE111D*</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>PEA118Q***</td>
<td>Beginning Weight Training</td>
<td>1</td>
</tr>
<tr>
<td>PSY100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHY100D*</td>
<td>Concepts in Physics</td>
<td></td>
</tr>
<tr>
<td>PHY200D*</td>
<td>Introductory Physics I</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>65</td>
</tr>
<tr>
<td></td>
<td>General Education</td>
<td>51-52</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>5-6**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>122</td>
</tr>
</tbody>
</table>
Along with submitting the application materials, the candidate must also meet the following minimum requirements to be considered for admission to the Athletic Training Education Program:

1. Attain a minimum 2.5 cumulative GPA.
2. Complete HPE120 First Aid; BIO103D Human Biology, BIO112D Introduction to Molecular and Cellular Biology, or BIO113D Introduction to Organismic Biology; and BIO201 Human Anatomy, each with a minimum grade of C.
3. Complete observation requirements (listed separately) and submit with application.
4. Submit transcripts of all colleges and/or universities attended to the program director.
5. Commit to a minimum of five semesters for the completion of course work and clinical experiences.
6. Provide proof of a physical exam on file at Bethel University Health Services.
7. Submit signed Technical Standards for Admission form. This form is included in the application packet and can be viewed on the Bethel University website (www.bethel.edu) under Athletic Training.

Progression
Students admitted to the ATEP must meet Bethel University requirements for academic progress. In addition, a student must:

1. Maintain a cumulative GPA of 2.5 and a 2.75 GPA in major courses.
2. Earn a grade no lower than C in any major course.
3. Complete clinical requirements as outlined in the ATEP Student Manual.
4. Operate within the NATA Code of Ethics and the guidelines of the ATEP Student Manual.

Minor in Physical Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE120</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>HPE130</td>
<td>Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HPE200Q*</td>
<td>Professional Activities I</td>
<td>4</td>
</tr>
<tr>
<td>HPE201</td>
<td>Foundations of Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>HPE210</td>
<td>Professional Activities II</td>
<td>3</td>
</tr>
<tr>
<td>HPE215</td>
<td>Professional Activities III</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>300-level or above physical education</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>20</td>
</tr>
</tbody>
</table>

Completion of this minor will not result in a Minnesota physical education teaching license.

* A student may also choose to use this course to meet a General Education requirement.
### Minor in Health Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE120</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>HPE130</td>
<td>Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HPE225</td>
<td>Foundations of Health Education</td>
<td>2</td>
</tr>
<tr>
<td>HPE340</td>
<td>School Health and Drug Issues</td>
<td>3</td>
</tr>
<tr>
<td>EDU422</td>
<td>Curriculum and Methods of 5-12 Health Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose from:**

- BIO101D* Principles of Biology
- BIO109D* General Biology
- BIO209 Human Anatomy and Physiology

**TOTAL** 21

*A student may also choose to use this course to meet a General Education requirement.*

As of September 1, 2001, the Minnesota Board of Teaching requires a major in Health Education 5-12 for licensure. Health endorsements will no longer be issued in Minnesota.

While the Minnesota Board of Teaching does not acknowledge minors, this minor is offered for students who anticipate teaching in a state that does acknowledge minors.

### Minor in Athletic Coaching

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR325</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>HPE120</td>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>HPE261</td>
<td>Theory and Practice of Coaching</td>
<td>4</td>
</tr>
<tr>
<td>HPE270</td>
<td>Applied Nutrition and Physical Fitness</td>
<td>3</td>
</tr>
<tr>
<td>HPE375</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>HPE420</td>
<td>Athletic Coaching Practicum</td>
<td>2</td>
</tr>
</tbody>
</table>

**Choose two from:**

- HPE262 Coaching of Baseball
- HPE263 Coaching of Basketball
- HPE264 Coaching of Football
- HPE265 Coaching of Hockey
- HPE266 Coaching of Track and Field
- HPE267 Coaching of Volleyball
- HPE268 Coaching of Fastpitch Softball
- HPE269 Coaching of Soccer

**Choose from:**

- BIO101D* Principles of Biology
- BIO103D* Human Biology
- BIO109D* General Biology

**TOTAL** 23

*A student may also choose to use this course to meet a General Education requirement.*
The Department of History is concerned with both the social milieu and the individual’s desire for a satisfying life. The courses are intended to contribute to an understanding of the present by acquainting students with significant historical data; promoting understanding of social, cultural, and political development; providing a perspective from which to view political, social, and religious issues; promoting an appreciation of possible contributions of religious faith to society; and developing basis and skills for criticism, evaluation, and interpretation.

For personal needs, courses are intended to aid in the development of habits, attitudes, and capacities that contribute to students’ satisfactory adjustment to their work, social situation, and faith. Courses in the department provide background for further work in the social sciences, for teaching or graduate studies, or for professions such as law, journalism, and the ministry. The department provides opportunity for appreciation of cultural pursuits; encouraging tolerance and sympathetic understanding in the areas of personal, social, and intercultural relations; equipping for good citizenship; and encouraging an intelligent, Christ-motivated nonconformity.

**COURSES**

**HIS200L • American Civilization** *(fall, spring)* 3 credits
A survey of American history from early Native American communities to the present. Examination of major social, cultural, economic, political, and religious change over time in the American experience. Prerequisite: GES130 or GES145, 146.

**HIS201U • Asian Civilizations** *(occasionally)* 3 credits
History of cultures and societies of Asia. Religion, economic development and trade, and family, social, and political organization. May focus on East Asia (China and Japan), South Asia (India and its neighbors), or Southeast Asia (Vietnam, Indonesia, the Philippines, etc.). Prerequisite: GES130 or GES145, 146.

**HIS204U • African Civilizations** *(occasionally)* 3 credits
The peoples and cultures of Africa. African social structures, religions, government, warfare, technology, and the arts. Traditional African societies, the impact of Western colonialism, the rise of nationalism, and contemporary issues. Prerequisite: GES130 or GES145, 146.

**HIS205U • History of China, Korea, and Japan** *(fall)* 3 credits
History and cultures of East Asia. Religion, economic development and trade, and family, social, and political organization. Primary focus on China, Korea, and Japan. Students may not receive credit for both HIS201U and HIS205U. Prerequisite: GES130 or GES145, 146.

**HIS206U • History of India and Its Neighbors** *(spring)* 3 credits
History of cultures and societies of South Asia. Religion, economic development and trade, and family, social, and political organization of India and its neighbors. Students may not receive credit for both HIS201U and HIS206U. Prerequisite: GES130 or GES145, 146.

**HIS207U • Latin American Civilizations** *(fall, spring)* 3 credits
History of cultures and societies of Latin America. Social, religious, geographic, economic, and political history. The Americas before European contact (with emphasis on Mexico and Central and South America), impact of European conquest and colonization, struggles for independence and national and regional identity, relations with the United States, and Latin America’s place in the global economy. Prerequisite: GES130 or GES145, 146.

**HIS209L • Christianity in America** *(interim)* 3 credits
Christianity as a vital factor in North American history and life. Develops an understanding of the European Reformation, the Enlightenment, and other modern developments as factors
interacting with Christianity in various aspects of North American culture from colonial times to the present. Exploration of Christian responses to issues such as democracy, imperialism, slavery, secularism, industrialization, materialism, communism, civil rights, pluralism, war, globalization, and technology. Prerequisite: GES130 or GES145, 146.

HIS210U • Minorities in America (fall) 3 credits
History of Multicultural America from the colonial period to the present through a case approach. Focuses on one of the following cultures: Native American, African American, Asian, Hispanic, Jewish American, or Muslim. Examination of themes such as family, society, arts, education, work, slavery, discrimination, immigration-assimilation, democracy, social justice, the role of religion, and women's concerns as they are experienced by various minority groups. Prerequisite: GES130 or GES145, 146.

HIS212U • Introduction to the Muslim World (interim) 3 credits
Introduces students to the religion of Islam from its inception and development to Islam as it is practiced worldwide today. Students interact with members of the Islamic community in Minnesota in an attempt to understand Islam from the personal experiences of Muslims. Contemporary issues and controversies are examined through the lens of the Muslim experience throughout history. Prerequisite: GES130 or GES145, 146.

HIS216L • American Constitutional History (spring) 3 credits
Examination of the origins and development of American constitutional ideas and institutions from the colonial period to the present. Particular attention paid to the historical connections between major constitutional cases and broader social, political, economic, and cultural trends. Prerequisite: GES130 or GES145, 146. (Carries cross-credit in political science.)

HIS217U • Christianity in Latin America (spring) 3 credits
Christianity in Latin America from Iberian origins to Liberation Theology. Current evangelical explosion, missions, and theology in Latin America. Issues studied may include: (neo) imperialism, slavery, dependence, indigenous Christianity and theology, authoritarianism, revolution, democracy, capitalism, socialism, U.S.-Latin American relations, Cold War, terrorism, and social justice. Prerequisite: GES130 or GES145, 146.

HIS221L • Making of Minnesota (occasionally fall and spring, interim) 3 credits
Examination of the historical development of Minnesota up to the present with a social and economic focus: immigration, use and abuse of natural resources, populist politics, intergroup relations, and Minnesota's impact on the nation. Prerequisites: GES130 or GES145, 146.

HIS223L • History of the American West (interim) 3 credits
An examination of the history of the American West from 1492 to the present. Particular attention to the interaction and competition of different cultures; the construction of political, economic, and religious institutions; and the physical environment, its representations, and its symbolic importance in the broader context of American History. Prerequisite: GES130 or GES145, 146.

HIS230L • World War I (interim) 3 credits
An in-depth look at the shock that engulfed the Western world with World War I—from the turn of the century, through the initial welcome of “cleansing” annihilation in 1914, to bleak 20th century disillusionment. World War I songs, essays, and artwork carefully examined as hands-on artifacts of this period. Prerequisite: GES130 or GES145, 146.

HIS241L • Revolution and Political Development (spring, odd # yrs) 3 credits
Theory and process of modernization, with special emphasis on the Anglo-American historical experience; examinations of U.S. efforts to promote democracy internationally in Europe, Asia, and the Middle East since World War II. Prerequisite: GES130 or GES145, 146. (Carries cross-credit in political science.)
**HIS242L • The Modern World**  
(fall or spring) 3 credits  
Modern world from the age of Enlightenment to the present, focusing on America and Europe. Major themes of modern life, including revolutions, nationalism, scientific transformations, the Industrial Revolution, capitalism, socialism, changing family patterns, racial strife, total war, international migrations, totalitarian government, religious revivals, and bourgeois culture. Prerequisite: GES130 or GES145, 146.

**HIS245L • History of Women in America**  
(fall) 3 credits  
Discussion of “What does it mean to be an American woman?” Historical experiences of American women cutting across race, class, and ethnicity are used to examine gender, citizenship, and the meaning of political, social, and cultural history for women and men. Prerequisite: GES130 or GES145, 146.

**HIS250 • Social Welfare in America**  
(spring) 3 credits  
Development of the welfare state in America from colonial period to the present, with a brief examination of European roots and influences. Historical context, reform movements, and resultant legislation, including that which emphasizes the roles of minorities and women. (Carries cross-credit in social work.)

**HIS300 • American Beginnings**  
(fall, odd # yrs) 4 credits  

**HIS310 • Near Eastern and Greek Civilizations**  
(fall, odd # yrs) 4 credits  
Roots of Western civilization in the Near East and Greece. World of the Mesopotamian Empire, Egypt of the pharaohs, and Greece of Homer, Socrates, and Alexander. Cultural and historical context for understanding biblical literature. Prerequisite: Sophomore standing.
HIS311 • Roman Civilization (spring) 4 credits
Development of the Romans from their origins through their achievement of a world empire to the conversion of the Emperor Constantine. Politics, government, literature, art, philosophy, and religion as well as the emergence and growth of the Christian Church. Continuing heritage of Rome in our contemporary world. Prerequisite: HIS200L, HIS201U, HIS204U, HIS207U, or HIS242L.

HIS312 • Medieval Europe (fall, even # yrs) 4 credits
Historical developments in Western Europe from the reign of Constantine to the era of Petrarch (A.D. 325-1350). Broad cultural, economic, political, social, and religious patterns, with emphasis on the development of the church in its social context.

HIS320K • History and the Human Environment (fall, spring) 3 credits
Environmental and geographical background of human history. Agriculture, climate, energy resources, transportation, and diseases, especially as they have influenced the historical development of Western Europe and North America. Implications for current and future environmental concerns. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in geography.)

HIS324G • Human Rights in International History (spring, even # years) 3 credits
International and comparative exploration of how human rights have been defined, violated, and protected. Discussion of historical topics (e.g., the abolition of the slave trade, social reform and Christian missions, the genocides of the 20th century), as well as contemporary issues. Includes a service-learning project completed at Bethel or with a local organization. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course. (Carries cross-credit in political science.)

HIS327G • History and Politics of Russia and China in the Modern World (spring) 3 credits
Political, social, and historical manifestations of communism/post-communism in Russia and China in the 20th century. Comparative analysis of communist systems; exploration of maintenance of a communist state in China and transition to a non-communist state in Russia. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course. (Carries cross-credit in political science.)

HIS335G • The Reformations (fall) 3 credits
Christian worldviews in the 16th century, including the Protestant Reformation, Catholic Reformation, and Radical Reformation. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

HIS350 • Modern America (spring) 4 credits
A survey of 20th century American history from 1890 to the present. Examination of major social, economic, cultural, political, and religious change in modern America, with an emphasis on the intersections of race, class, and gender. Prerequisite: HIS200L, HIS201U, HIS204U, HIS207U, or HIS242L.

HIS352 • Modern Russia (occasionally) 4 credits
Major political, social, and economic developments in Russia from 1682 to the present. Emphasis on the 19th and 20th centuries. Reigns of Peter the Great and Catherine the Great, pre-revolutionary Russia, the 1917 revolutions, and the Soviet period. Prerequisite: GES130 or GES145, 146.

HIS353 • Early Modern Europe (occasionally) 4 credits
Political, social, economic, and intellectual history of Europe during the 16th, 17th, and 18th centuries. This course does not emphasize the Reformation except as it illuminates other aspects of early modern European history. Prerequisite: GES130 or GES145, 146.
HIS354 • Modern Europe  (fall) 4 credits
Political, social, economic, religious, and intellectual history of Europe during the 19th and 20th centuries. Prerequisites: GES130 or GES145, 146; HIS200L, HIS201U, HIS204U, HIS207U, or HIS242L.

HIS360 • Classics in Western Political Philosophy  (spring, even # yrs) 4 credits
Selected political theoreticians. Such writers as Plato, Aristotle, Machiavelli, Luther, Calvin, Locke, Marx, and Niebuhr. Concentrates on primary sources. Prerequisite: One course in political science, philosophy, or European history. (Carries cross-credit in philosophy and political science.)

HIS370 • Topics in American History  (occasionally) 3-4 credits
Selected topics in American history. Specific topic to be announced in advance of registration. The course may be repeated when a different topic is emphasized. Prerequisite: HIS200F or consent of instructor.

HIS371 • Topics in European History  (occasionally) 3-4 credits
Selected areas, themes, and periods of European history. Specific topic is announced in advance of registration. The course may be repeated when a different topic is emphasized. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course.

HIS372 • Topics in Global History  (occasionally) 3 credits
Selected themes, periods, and areas, focusing on Asia, Africa, or Latin America. Specific topic to be announced in advance of registration. May be repeated when a different topic is emphasized. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

HIS400 • Research in History  (occasionally) 3 credits
An opportunity to work with a member of the history faculty on a major research project. Prerequisites: Major in history; course work appropriate to the area of research; invitation of supervising faculty member; consent of department. Note: No student may take more than six credits in HIS400 and/or directed study.

HIS481 • Internship in History  (occasionally) 3 credits
A practical experience in applying academic skills in an off-campus setting under the dual supervision of a history faculty member and a practicing historian or related professional. Designed by student in consultation with history department faculty. Prerequisite: Major in history.

HIS499 • Senior Seminar  (fall, spring) 4 credits
Historiography, historical methodology, and the philosophy of history. Emphasis on synthesis, integration, and writing of a research paper. Prerequisite: Major in history; senior standing or consent of instructor.

### PROGRAMS

#### Major in History (B.A.)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
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<tr>
<td>Spring</td>
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<tr>
<td>Fall</td>
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<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>Spring</td>
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</tbody>
</table>

Choose from Introductory History courses: ........................................................3-4
- HIS200L* American Civilization
- GES246 Western Humanity in Christian Perspective IV
- HIS201U* Asian Civilizations
- HIS204U* African Civilizations
- HIS205U* History of China, Korea, and Japan
- HIS206U* History of India and Its Neighbors
- HIS207U* Latin American Civilizations
- HIS242L* The Modern World

— continued on next page —
Choose from Foundational courses** ......................................................................4
HIS311 Roman Civilization
HIS350 Modern America
HIS354 Modern Europe

Choose from American History courses: .............................................................6-8
(At least one of the courses must be at the 300 level)
HIS209L* Christianity in America
HIS210U* Minorities in America
HIS216L* American Constitutional History
HIS223L History of the American West
HIS245L* History of Women in America
HIS300 American Beginnings
HIS301 A New Nation
HIS307 The American Civil War
HIS350 Modern America
HIS370 Topics in American History

Choose from Ancient and Medieval European History courses: .......................4
HIS310 Near Eastern and Greek Civilizations
HIS311 Roman Civilization
HIS312 Medieval Europe

Choose from Modern European History courses: .............................................. 3–4
HIS335G* The Reformations
HIS352 Modern Russia
HIS353 Early Modern Europe
HIS354 Modern Europe
HIS360 Classics in Western Political Philosophy
HIS371 Topics in European History

Choose from Global History courses: .................................................................. 3
HIS201U* Asian Civilizations
HIS204U* African Civilizations
HIS205U* History of China, Korea, and Japan
HIS206U* History of India and Its Neighbors
HIS207U* Latin American Civilizations
HIS212U* Introduction to the Muslim World
HIS217L* Christianity in Latin America
HIS241L* Revolution and Political Development
HIS304G* History of African Religions
HIS305G* The Cold War
HIS324G* Human Rights in International History
HIS327G* History and Politics of Russia and China in the Modern World
HIS372 Topics in Global History
HIS499 Senior Seminar ................................................................................4

Electives from history courses .............................................................................7-11

36-40

General Education .................................................................................................. 51-52
Electives .................................................................................................................. 31-36

TOTAL 122

Students majoring in History may choose a focus (at least 12 credits) in American, European, or Global history.
All students planning to pursue graduate study in history should choose a focus. In addition, these students should complete one of the following independent study experiences: one semester or interim spent studying off-campus, HIS400 Research in History, or HIS481 Internship in History. Students planning to pursue graduate-level study in history should also complete study of a modern or ancient language through the Intermediate II level and are encouraged to complete a minor in this language.

* A student may also choose to use this course to meet a General Education requirement.
** One of these three courses must be taken at Bethel University.

**Major in Social Studies Education 5–12 (B.A.)**
(See Multidisciplinary section.)

**Major in Third World Studies (B.A.)**
(See Multidisciplinary section.)

**Minor in History**

<table>
<thead>
<tr>
<th>Electives from history courses, of which</th>
<th>18</th>
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<tbody>
<tr>
<td>6 credits must be 300 level or above</td>
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</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>18</td>
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</table>
The Honors Program is designed to encourage and serve students desiring a challenging academic program, embodying Bethel’s long-standing commitment to the integration of faith and learning. This program provides an educational experience that moves from a generalist emphasis in the first two years to a discipline-specific focus, in the field of the student’s choice, in the last two years. The program is designed to provide an enriched educational experience for students with exceptional academic ability, to create a social network for such students, to enhance their preparation for and admission to graduate school, as well as to enhance the general academic environment of the university.

The program consists of two honors courses in the freshman year, one honors course in the sophomore year, and one honors course in the junior year. Students complete these courses in place of the Nature of Persons (N) course; World Cultures (U) course; Comparative Systems (G) course; and Science, Technology, and Society (K) course requirements of the General Education curriculum. Students also take two regularly offered courses—one at the 200 level or above and one at the 300 level or above—on an honors basis, in which they develop individual contracts with a faculty member for an enriched experience in that class. Students complete an Honors Senior Project in their major during the senior year. In addition to the courses, there are Honors Forums, which students are expected to attend in all four years.

Students interested in applying for the Honors Program should contact the director of the Honors Program.

**COURSES**

**HON102N • Meaning and Persons** *(fall)* 3 credits
What is a person? Why are persons valuable? How do persons relate to God, the world, and good and evil? These questions about the human condition are explored in the humanities (including philosophy, history, literature, biblical studies, and the arts), focusing on past responses, current dilemmas, and future scenarios. Prerequisite: Admission to the Honors Program.

**HON205U • Finding Community on the Margin** *(spring)* 3 credits
Exploration of community building that occurs in situations of oppression and exploitation along the lines of ethnicity, religion/culture, and/or economic life. With a focus on a people group found outside the dominant cultures of Europe and North America and living in a situation of marginalization and oppression (examples include Dalits in India or Roma in Europe), understand the larger social, religious, economic forces that shape the world of this group. Explore the cultural and personal perspectives of the members of this group. Study programs that address these situations and attempt to break the bonds of oppression and exploitation. Seek a faith-based response to these issues. Prerequisites: GES130 or GES145, 146 or concurrent enrollment; admission to the Honors Program.

**HON300G • Concepts of Community** *(interim or spring)* 3 credits
Analysis and evaluation of community in varying contexts. Investigation of different models of community through reflection, experiential learning, film, fiction, and non-fiction. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course; admission to the Honors Program.

**HON305K • Issues in Science, Technology, and Society** *(fall or interim)* 3 credits
Contemporary and historical topics are chosen to illustrate societal and cultural interactions with concurrent developments in science and technology. Examples of personal and corporate decision-making processes are stressed, thereby working toward a goal of preparation and motivation for responsible citizenship. Prerequisites: Laboratory Science (D) course; Mathematics (M) course; admission to the Honors Program.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HON102N*</td>
<td>Meaning and Persons</td>
<td>3</td>
</tr>
<tr>
<td>HON205U*</td>
<td>Finding Community on the Margin</td>
<td>3</td>
</tr>
<tr>
<td>HON300G*</td>
<td>Concepts of Community</td>
<td>3</td>
</tr>
<tr>
<td>HON305K*</td>
<td>Issues in Science, Technology, and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

One tagged honors course at 200 level or above ............................ 3–4
One tagged honors course at 300 level or above ................................ 3–4
Honors Senior Project (as part of departmental culminating experience)

* A student may also choose to use this course to meet a General Education requirement.
LEADERSHIP STUDIES

COURSES

LEA100N • Leadership I
(fall, spring) 3 credits
An introduction to leadership with a focus on effective characteristics and practices of leadership theories, leadership styles, core leadership competencies, individual self-discovery, management, followership, and integration of faith and leadership. Opportunities given for students to identify, clarify, and develop individual leadership skills and abilities.

LEA300 • Leadership II
(fall) 3 credits
Leadership within organizational contexts; how organizations operate and provide opportunities and challenges for leaders; demands of collaborative leadership; organizational change and leaders’ means of guiding it; leadership within Christian organizations and contexts. Prerequisites: LEA100N; junior or senior standing.

LEA350 • Leadership Practicum and Seminar
(spring) 4 credits
The leadership practicum experience provides opportunities for students to learn about the practical aspects of leadership by applying theories and concepts from their academic classes to field-based learning settings. Placement sites are chosen to complement the student’s major and career interests. Includes a weekly seminar. Prerequisites: LEA300 (may be taken concurrently); consent of instructor.

Minor in Leadership Studies

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>LEA100N*</td>
<td>Leadership I</td>
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<tr>
<td>LEA300</td>
<td>Leadership II</td>
<td>3</td>
</tr>
<tr>
<td>LEA350</td>
<td>Leadership Practicum and Seminar</td>
<td>4</td>
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Choose from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ANT242U*</td>
<td>Peoples and Cultures of the United States</td>
</tr>
<tr>
<td>HIS210U*</td>
<td>Minorities in America</td>
</tr>
<tr>
<td>SOC342G*</td>
<td>Race, Ethnicity, and Peacemaking</td>
</tr>
<tr>
<td>SOW327G*</td>
<td>Social Relations: Issues of Power and Privilege in the U.S.</td>
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Choose from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ANT200U*</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>BUS230</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>POS211</td>
<td>The Political Quest</td>
</tr>
<tr>
<td>PSY100</td>
<td>Introduction to Psychology</td>
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<tr>
<td>SOC101</td>
<td>Introduction to Sociology</td>
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Choose from:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>COM110N*</td>
<td>Basic Communication</td>
</tr>
<tr>
<td>COM220</td>
<td>Group Communication</td>
</tr>
<tr>
<td>COM348</td>
<td>Organizational Communication</td>
</tr>
<tr>
<td>COM370</td>
<td>Interpersonal Communication</td>
</tr>
</tbody>
</table>

**TOTAL** 19-21

* A student may also choose to use this course to meet a General Education requirement.
MATHEMATICS

The major in mathematics prepares students for a variety of careers through a balance of theoretical and practical course work. Theoretical study begins with discrete mathematics and continues through linear algebra, algebraic structures, real analysis, topics in mathematics, and foundations of mathematics. Problem-solving and mathematical modeling skills are honed through the calculus sequence of courses, differential equations, probability and statistics, numerical methods and operations research. Practical computing skills are developed by using advanced software in many courses and through introductory programming courses. Students who wish to teach mathematics in grades 5-12 may also include course work designed specifically to satisfy state licensure requirements. Electives and advising are available for students preparing for graduate school or for math-oriented careers such as the actuarial sciences.

COURSES

MAT101M • Mathematics for the 21st Century (fall, spring) 3 credits
Mathematical ideas that a liberally educated person should be familiar with in order to function well in a technological society. May not be taken for credit after achieving a C level or higher in a college math course. Prerequisite: High school algebra.

MAT102M • Creative Problem Solving (interim) 3 credits
An opportunity to learn to use creative thinking and intuition to gain confidence in understanding and solving some intriguing problems in mathematics. May not be taken for credit after achieving a C level or higher in a college math course. Prerequisite: High school algebra.

MAT110M • College Algebra (fall) 3 credits
Enables students to develop the prerequisite mathematical skills for success in MAT122M or for further study in the natural sciences. Topics include number systems, field properties, factoring, rational expressions; summation notation; equations and inequalities, systems of linear equations; graphs of functions and relations; polynomial, rational, exponential, logarithmic functions and applications; matrices; data modeling. May not be taken for credit after achieving a C or higher in a college-level precalculus or calculus course.

MAT123M • Precalculus (fall, spring) 3 credits
Mathematics topics required for MAT124M or for further study in the natural sciences. Equations and inequalities; graphs of functions and relations; polynomial, rational, exponential, logarithmic functions; trigonometric functions, identities, equations, and applications. Prerequisites: Two years of high school algebra; satisfactory score on the Bethel mathematics placement test. The placement exam must be taken at scheduled times during the term prior to enrollment in MAT123M. May not be taken for credit after achieving a C level or higher in a college-level calculus course.

MAT124M • Calculus 1 (fall, spring) 4 credits
A mathematical foundation for future college courses and beyond. An introduction to the concepts and methods of the derivative and the integral, and a demonstration of how they are applied in real-world modeling situations. Topics are examined graphically, numerically, and algebraically, including using a symbolic computer algebra system to aid with understanding. Prerequisites: MAT123M or equivalent high school or college course(s) and satisfactory score on the Bethel mathematics placement exam. The placement exam must be taken at scheduled times during the term prior to enrollment in MAT123M.
MAT125 • Calculus 2  (fall, spring)  4 credits
A continuation of the equipping of students with tools for effective problem solving. Study of integration, sequences and series, and introduction to differential equations and approximation techniques. Each topic is approached from several different viewpoints (graphical, numerical, algebraic) to involve students with different learning styles. Prerequisite: MAT124M.

MAT131M • Statistical Analysis  (fall, spring)  3 credits
Descriptive statistics. Discrete probability spaces, random variables, and distributions. Normal distribution, statistical inference, estimation, hypothesis testing, linear regression, correlation analysis, and analysis of variance. Applications to business, economics, and science. Students may not receive credit for both MAT131M and PSY230M.

MAT201M • Mathematics for Elementary Education 1  (fall, spring)  3 credits
Introduction to problem solving; systems of numeration; sets and logic; concepts, operations, and algorithms with whole numbers, integers, and rational numbers; elementary number theory; applications of proportions; and introduction to functions. MAT201M may not be used to fulfill the requirements for a major or minor in mathematics. Prerequisites: Major in elementary education; passing score on the MAT201M pre-test, a score of at least 23 on the math portion of the ACT, or a score of at least 519 on the math portion of the SAT.

MAT202 • Mathematics for Elementary Education 2  (fall, spring)  3 credits
Problem-solving and reasoning strategies; concepts, operations, and applications of decimals, percents, and irrational numbers; data analysis, statistics, and probability; concepts and applications of two- and three-dimensional geometry and measurement. Prerequisite: Grade of C or higher in MAT201M. MAT202M may not be used to fulfill the requirements for a major or minor in mathematics.

MAT211 • Linear Algebra  (spring)  3 credits
Linear systems, matrices, vectors and vector spaces, linear transformations, inner products, norms, eigenvalues and eigenvectors, orthogonality and applications. Provides a foundation for many areas of study in mathematics, computer science, engineering, and science. Prerequisite: MAT125 or MAT241.

MAT222 • Differential Equations  (spring)  3 credits

MAT223 • Multivariable Calculus  (spring)  3 credits
Differential calculus of real functions on $\mathbb{R}^n$: limits, continuity, partial and directional derivatives, mean value theorem, implicit functions, Taylor’s theorem, and optimization techniques (including Lagrange multipliers). Multiple integral theory: change of variables, iterated integrals, and line and surface integration (Green’s and Stoke’s theorems). Prerequisite: MAT125.

MAT241 • Discrete Mathematics  (fall)  3 credits
Covers a collection of topics useful to mathematics and computer science majors. The unifying factor is that the topics deal mainly with finite collections of mathematical objects (graphs, trees, finite state machines, etc.). Also includes examination of sets, logic, boolean algebras, proof techniques, algorithm analysis, and recursion. Prerequisite: MAT124M.

MAT310 • Algebraic Structures  (spring)  4 credits
Study of groups, rings, fields, and applications of these algebraic structures from a firm axiomatic foundation with a strong emphasis on properly written proofs. Prerequisite: MAT211.
MAT330 • Probability and Statistics  
(fall) 3 credits  
Discrete and continuous probability spaces, distribution and density functions, random variables, sampling, expectation, estimation, and hypothesis testing. Prerequisite: MAT125.

MAT331 • Applied Statistics  
(spring, even # yrs) 3 credits  
Linear and multilinear regression. Factor analysis, including analysis of variance and experimental design. Prerequisites: MAT124M and MAT131M, or MAT330, or consent of instructor.

MAT344 • Numerical Methods  
(fall) 3 credits  
Numerical methods for solving systems of linear equations, finding roots and fixed points, approximating data and functions, numerical integration, finding solutions to differential equations. Prerequisite: MAT211 or MAT222. Recommended: COS105 or COS205. (Carries cross-credit in computer science.)

MAT351 • Modern Geometry  
(fall, even # yrs) 3 credits  
A survey of informal and formal geometric topics. Investigation of concepts, structure, proof, Euclidean, non-Euclidean, coordinate, and transformational geometry. Prerequisite: MAT241 or consent of instructor.

MAT376 • Operations Research  
(fall, odd # yrs) 3 credits  
Mathematical techniques used in systems analysis, including linear programming, simulation techniques and other topics such as transportation models, integer programming, and network analysis. Prerequisites: COS105; MAT211. (Carries cross-credit in computer science.)

MAT422 • Real Analysis  
(fall) 3 credits  
Elementary set theory, properties of real numbers, functions of real variables, sequences, series, Riemann and Stieltjes integration, and introduction to normed linear spaces. Prerequisites: MAT223; MAT310.

MAT425 • Topics in Mathematics  
(spring, odd # yrs) 3 credits  
A seminar designed to provide an in-depth experience with a specific field of mathematics. Topics vary from semester to semester and include logic, number theory, dynamical systems, chaos and fractals, complex analysis, partial differential equations and Fourier analysis, intermediate probability and statistics, and topology. Prerequisite: MAT422 or consent of instructor.

MAT499 • Foundations of Mathematics  
(interim) 3 credits  
A short history of mathematics’ major transition points, overview of foundations of mathematics, axiomatic structures, and philosophies of mathematics. Prerequisites: Major in mathematics; senior standing.

Education Course (see Department of Education)

EDU412 • Methods in Teaching 5-12 Mathematics
<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
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<tr>
<td>MAT125</td>
<td>Calculus 2</td>
<td>4</td>
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<tr>
<td>MAT211</td>
<td>Linear Algebra</td>
<td>3</td>
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<tr>
<td>MAT222</td>
<td>Differential Equations</td>
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<td>MAT330</td>
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<td>MAT422</td>
<td>Real Analysis</td>
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<td>MAT425</td>
<td>Topics in Mathematics</td>
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<td>MAT499</td>
<td>Foundations of Mathematics</td>
<td>3</td>
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<tr>
<td>COS100</td>
<td>Introduction to Programming</td>
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<td>COS105</td>
<td>Computer Science 1</td>
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<td>MAT331</td>
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<td>MAT344</td>
<td>Numerical Methods</td>
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<tr>
<td>MAT376</td>
<td>Operations Research</td>
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Choose two from:

- MAT331 Applied Statistics
- MAT344 Numerical Methods
- MAT376 Operations Research

49

General Education ................................................................. 51-52
Electives .................................................................................... 21-22

TOTAL ................................................................. 122

* A student may also choose to use this course to meet a General Education requirement.
## Major in Mathematics with Education 5-12 Licensure (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>MAT211</td>
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<td>Probability and Statistics</td>
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<td>Pedagogy of the Young Adolescent Learner</td>
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<td>EDU490</td>
<td>Student Teaching Block</td>
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</tbody>
</table>

**General Education** ................................................................. 51-52

**TOTAL 131-132**

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 124-125 credits.

Student must earn a grade of \( C \) or better in each content area and education course (MAT, COS, EDU) in the major. Courses with grades of \( C- \) or lower must be repeated.

## Minor in Mathematics

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<td>MAT125</td>
<td>Calculus 2</td>
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<td>MAT211</td>
<td>Linear Algebra</td>
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<td>Electives from 200-level or above mathematics courses or</td>
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<tr>
<td>PHY320</td>
<td>Mathematical Methods in Physics and Engineering</td>
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</tbody>
</table>

**TOTAL 20**

*A student may also choose to use this course to meet a General Education requirement.*
MODERN WORLD LANGUAGES

The Department of Modern World Languages equips students to understand and communicate with people of other cultures so that students may pursue an active role in the world community of the 21st century. Departmental goals are to prepare competent majors and minors in modern languages, cultures, and literatures and to prepare students to teach languages to others. The department is committed to providing language and cultural training to non-majors to enhance their studies, Christian service, travel, and future professional growth. Majors in French, Spanish, and Teaching English as a Foreign Language (TEFL) as well as majors leading to Minnesota licensure to teach French K-12 and Spanish K-12 (licensure in world languages and cultures) and to teach English as a second language K-12 (TESL) are offered. Programs in the Department of Modern World Languages complement majors and minors from many other departments.

STUDY ABROAD

The Department of Modern World Languages requires all language and language education majors to live, study, or teach outside the United States for a semester during their sophomore or junior year. Students majoring in TESL or TEFL are required to teach English abroad for at least three weeks. Bethel offers a semester-long program in Guatemala and Spain (see off-campus programs section of this catalog) or students may work with the Office of International Studies and the department to select other programs abroad. In addition, students can participate in interim courses in French- or Spanish-speaking countries.

PLACEMENT EVALUATION

Prior to enrolling in a language course at Bethel, all students who have previously taken two or more years of the language at a high school level must complete a placement exam given by the department. Prerequisites for the course in which the student places will be waived upon petition. Students wishing to receive credit toward graduation for the courses that have been waived may do so through credit by examination (AP or CLEP) for a fee. Credits earned through examination do not count as electives in the major or minor in any of the world languages offered at Bethel.

Students transferring in college-level credits in the language to be studied may continue with the next course in the sequence at Bethel upon consultation with the department, but may choose to take the placement test to ensure they enroll in the appropriate course for their language skills.

LANGUAGE REQUIREMENT

Students may fulfill Bethel’s language requirement by completing any language class at the 102 level or higher with a passing grade. The language requirement can also be met by transfer or examination. See the Academic Information section of this catalog under the General Education Program for further information about the language requirement.

COURSES

American Sign Language Courses

ASL101 • Introductory American Sign Language I (fall) 4 credits
Designed for students who have no knowledge of American Sign Language (ASL) to allow them to function comfortably in a variety of communication situations. Focus on development of visual readiness skills and expressive and receptive skills in basic ASL. Includes introduction to conversational vocabulary, fingerspelling, grammatical principles, and syntax. Information related to deaf culture is included.
ASL102S • Introductory American Sign Language II  (spring)  4 credits
Continuation of functional and practical understanding and communicative use of ASL. Further study of the history and culture of the deaf community through films, discussions, and readings. Prerequisite: ASL101 or placement exam.

Chinese Courses

CHI101 • Introductory Chinese I  (fall)  4 credits
Development of listening, speaking, reading, and writing skills with an emphasis on promoting communicative competency in Chinese. Opportunities for meaningful communications in Mandarin Chinese.

CHI102S • Introductory Chinese II  (spring)  4 credits
Continuation of functional and practical understanding and communicative use of the Chinese language. Further study of Chinese history and culture through films, discussions, and readings. Prerequisite: CHI101 or placement exam.

French Courses

FRE101 • Introductory French I  (fall)  4 credits
Listening, speaking, reading, and writing. Opportunities for oral practice encourage actual communication in French. Use of internet resources familiarizes students with the French-speaking cultures of the world. Prerequisite: No more than one year of high school French or placement exam.

FRE102S • Introductory French II  (spring)  4 credits
Continuation of functional and practical understanding and communicative use of the French language. Further study of French history and culture through films, discussions, and readings. Prerequisite: FRE101 or placement exam.

FRE201 • Intermediate French I  (fall)  3 credits
Synthesis and expansion of language study in order to further develop the ability to understand and communicate in French. Study of the diverse cultures of the French-speaking world of Europe, Africa, the Americas, and the Caribbean. Prerequisite: FRE102S or placement exam.

FRE202 • Intermediate French II  (spring)  3 credits
Further development of proficiency in listening, speaking, reading, and writing skills in French while studying life in the French-speaking world of Europe, Africa, the Americas, and the Caribbean. Prerequisite: FRE201 or placement exam.

FRE228 • Intensive Language Study in the French-Speaking World  (interim, by arrangement)  3 credits
Study of the French language and culture taught in France through an approved language school. Homestay required. Program must be approved by the Department of Modern World Languages in advance. Enrollment is limited. S/U grading basis only. Prerequisites: Two semesters of introductory French at the college level or placement exam; consent of Department of Modern World Languages.

FRE301U • Francophone Cultures  (fall, odd # yrs)  4 credits
A study of the history, traditions, cultural practices, values, and social structures of France and the French-speaking world of Europe, Africa, the Americas, and the Caribbean. Prerequisite: FRE202 or placement exam.

FRE305 • Readings from the Francophone World  (spring, even # yrs)  3 credits
Readings in novels, essays, short stories, poetry, newspapers, and magazines from the French-speaking world of Europe, Africa, the Americas, and the Caribbean. Prerequisite: FRE202 or placement exam.
FRE306 • Advanced French Communication  
* (spring, odd # yrs) 4 credits  
Extensive writing in French may include letters, essays, journals, short stories, and writing for academic and other professional purposes. Development of oral communication skills in informal conversation, group discussion, narration, persuasion, public speaking, and other formal presentations. Attention is given to subtleties of French grammar and vocabulary-building. Prerequisite: FRE202 or placement exam.

FRE499 • Senior Seminar: French  
* (spring) 4 credits  
An in-depth study and presentation of a topic related to Francophone cultures, literatures, or the French language. Service-learning experience required. Prerequisites: Senior standing; minimum 2.25 GPA in French courses at Bethel.

**German Courses**

GER101 • Introductory German I  
* (fall) 4 credits  
Listening, speaking, reading, and writing modern high German. Active learning through daily practice and exposure to German is encouraged. Prerequisite: No more than one year of high school German or placement exam.

GER102S • Introductory German II  
* (spring) 4 credits  
Continuation of functional and practical understanding and communicative use of the German language. Further study of German culture through readings, discussions, and videos. Prerequisite: GER101 or placement exam.

GER201 • Intermediate German  
* (fall) 4 credits  
Emphasis on reading, writing, speaking, and listening skills through videos, classroom participation, and internet exercises. Prerequisite: GER102S or placement exam.

GER212 • German Culture  
* (spring, odd # yrs) 4 credits  
Further development of listening, speaking, reading, and writing skills, along with grammatical concepts, while exploring German-speaking cultures through reading, videos, discussions, and internet applications. Topics include history, government, economy, health system, women's movement, arts, environment, and free time activities. Prerequisite: GER201 or placement exam.

GER306 • Advanced German Communication  
* (spring, even # yrs) 4 credits  
Extensive writing and speaking opportunities in discussions of various groups of people in German-speaking countries including the elderly, minorities, young couples, university students, and teenagers, with review and development of grammatical skills. Prerequisite: GER201 or placement exam.

**Linguistics Courses**

LIN210 • Introduction to Second Language Acquisition  
* (occasionally interim, spring) 3 credits  
Study of current research and theories of second language acquisition in children and adult learners. Examination of second language learning process and variables that affect second language acquisition. Taught in English. Prerequisite: TEL230, LIN215, LIN300, or two college semesters of a second language or equivalent proficiency.

LIN215 • Teaching Language Communication Skills for Second Language Learners  
* (full, odd # yrs) 2 credits  
The principles of teaching listening and speaking skills to second language learners. Strategies for teaching language skills include using authentic materials, creating meaningful communicative activities, and teaching with Total Physical Response (TPR) and Total Physical Response Storytelling (TPRS). Students create lesson plans and practice teaching with these strategies.
LIN300 • Introduction to Linguistics  (fall) 3 credits
A study of three major areas of linguistics: 1) articulatory phonetics, phonology, morphology, and syntax (how units of sound are structured into larger units, forming words and sentences); 2) sociolinguistics (how language functions in society); and 3) psycholinguistics (how children and adults acquire language). Taught in English. Prerequisite: TEL230, TEL235, TEL245, or two college semesters of a second language or equivalent proficiency.

Spanish Courses

SPA101 • Introductory Spanish I  (fall, spring) 4 credits
Listening, speaking, reading, and writing. Opportunities for oral and written practice encourage actual communication in Spanish. Prerequisite: No more than one year of high school Spanish or placement exam.

SPA102S • Introductory Spanish II  (fall, spring) 4 credits
Continuation of functional and practical understanding and communicative use of the Spanish language. Further study of Spanish history and culture through films, discussions, and readings. Prerequisite: SPA101 or placement exam.

SPA201 • Intermediate Spanish I  (fall, spring) 3 credits
Synthesis and expansion of language study in order to further develop communicative language ability. Study of the rich cultural diversity in the Spanish-speaking world, including topics such as family structures, racial diversity, and perspectives on death and the afterlife. Prerequisite: SPA102S or placement exam. Service-learning may be required. Students may not receive credit for both SPA201 and SPA203.

SPA202 • Intermediate Spanish II  (fall, spring) 3 credits
A further development of communicative language ability through the study of the rich cultural diversity in the Spanish-speaking world. Topics include religious practices, Hispanics in the United States, and violations of human rights. Prerequisite: SPA201 or placement exam. Service-learning experience required. Students may not receive credit for both SPA202 and SPA204.

SPA208 • Spanish for Health Professionals  (occasionally) 3 credits
Designed for those studying or preparing for healthcare professions. Emphasis on building culturally and linguistically competent communication skills with Spanish-speaking immigrants in healthcare settings. Prerequisite: SPA201, SPA203, or placement exam.

SPA228 • Intensive Language Study in the Spanish-Speaking World  (interim, by arrangement) 3 credits
Study of the Spanish language and Hispanic culture taught in a Spanish-speaking country through an approved language school. Homestay required. Program must be approved by the Department of Modern World Languages in advance. Enrollment is limited. S/U grading basis only. Prerequisites: two semesters of intermediate Spanish at the college level or placement exam; consent of Department of Modern World Languages.

SPA290 • Ibero-American History  (fall, spring) 3 credits
An examination of key historical processes in Spain, Latin America, and the Spanish-speaking communities in the United States with a focus on social, economic, political, geographic, and religious dimensions. Prerequisite: SPA202, SPA204, SPA206, SPA208, or placement exam.

SPA301U • Hispanic Cultures  (spring) 4 credits
Study of the history, traditions, cultural practices, values, and social structures of Latin America and Spain. Service-learning experience required. Prerequisites: GES130 or GES145, 146; SPA290, SPA291 or SPA292; or placement exam. Students may not receive credit for both SPA301U and SPA302U.
SPA305 • Readings from Latin America and Spain  
(fall) 3 credits
Readings in novels, essays, short stories, poetry, newspapers, and magazines from Latin America and Spain. Prerequisite: SPA290, SPA291, or SPA292; or placement exam. Students may not receive credit for both SPA305 and SPA300.

SPA312 • Contemporary Literature  
(fall, even # yrs) 4 credits
Prose and poetry from selected contemporary Latin American and Spanish authors. Prerequisite: SPA300 or SPA305.

SPA313 • Classical Literature  
(fall, odd # yrs) 4 credits
Prose and poetry from the classical literature of Spain. Prerequisite: SPA300 or SPA305.

SPA322 • Advanced Spanish Communication  
(spring) 4 credits
Further development of communicative abilities in Spanish including reading, creative and academic writing, formal and informal discussions and debate, and formal presentation skills. Prerequisite: SPA301U, SPA302U, or SPA303.

SPA499 • Senior Seminar  
(fall) 4 credits
An in-depth study and presentation of a topic related to Hispanic cultures, literatures, or the Spanish language. Service-learning experience required. Prerequisites: Major in Spanish; minimum 2.25 GPA in Spanish courses at Bethel.

Swedish Courses

SWE101 • Introductory Swedish I  
(fall) 4 credits
Listening, speaking, reading, and writing. Opportunities for oral practice encourage actual communication in Swedish.

SWE102S • Introductory Swedish II  
(spring) 4 credits
Continuation of functional and practical understanding and communicative use of the Swedish language. Further study of Swedish history and culture through films, discussions, and readings. Prerequisite: SWE101 or placement exam.

Spanish Courses Offered Through Semester-Long Bethel Off-Campus Programs

Guatemala Term (Spring)

SPA203 • Intensive Intermediate Spanish I  
(Guatemala Term, spring) 4 credits
in Guatemala
Synthesis and expansion of language study in order to further develop communicative language ability. Study of the rich cultural diversity in the Spanish-speaking world, including topics such as family structures, racial diversity, and perspectives on death and the afterlife. Intensive one-on-one interaction with Guatemalan instructor. Prerequisite: SPA102S or placement exam. Students may not receive credit for both SPA203 and SPA201.

SPA204 • Intensive Intermediate Spanish II  
(Guatemala Term, spring) 4 credits
in Guatemala
A further development of communicative language ability through the study of the rich cultural diversity in the Spanish-speaking world. Topics include religious practices, Hispanics in the United States, and violations of human rights. Intensive one-on-one interaction with Guatemalan instructor. Prerequisite: SPA201, SPA203, or placement exam. Students may not receive credit for both SPA204 and SPA202.

SPA206 • Spanish for Health Professionals I  
(Guatemala Term, spring) 4 credits
Students acquire language skills in cross-cultural communication and understanding within the context of healthcare. One-on-one interaction with their personal language teacher at Centro Linguístico Maya in Antigua, Guatemala. Prerequisite: SPA201, SPA203, or placement exam. Students may not receive credit for both SPA206 and SPA208.
SPA291 • Ibero-American History in Guatemala  *(Guatemala Term, spring)*  4 credits
An examination of key historical processes in Spain, Latin America, and the Spanish-speaking communities in the United States with a focus on social, economic, political, geographic, and religious dimensions. Prerequisite: SPA202, SPA204, SPA206, SPA208, or placement exam.

SPA302U • Hispanic Cultures: Guatemalan Perspectives  *(Guatemala Term, spring)*  4 credits
Study of the history, traditions, cultural practices, values, and social structures of Latin America and Spain. Intensive one-on-one interaction with on-site instructor and interviews with Guatemalans enhance understanding of cultural issues from a Guatemalan perspective. Prerequisites: GES130 or GES145, 146; SPA290 or SPA291; or placement exam. Students may not receive credit for both SPA302U and SPA301U.

SPA306 • Spanish for Health Professionals II  *(Guatemala Term, spring)*  4 credits
The second part of a two-course sequence for students interested in health professions. Students acquire language skills in cross-cultural communication and understanding within the context of healthcare. One-on-one study with their personal language teacher at Centro Linguistico Maya in Antigua, Guatemala. Prerequisite: SPA202, SPA204, SPA206, SPA208, or placement exam.

SPA308 • Current Issues in Guatemala  *(Guatemala Term, spring)*  4 credits
Students participating in the Guatemala Term use multiple media sources available to them only in the country and interact with Guatemalan people to learn about political, economic, and social issues. Study of a literary text dealing with political issues in Guatemala is included. Prerequisite: SPA305.

SPA323 • Advanced Spanish Communication in Guatemala  *(Spring)*  4 credits
Further development of communicative abilities in Spanish including reading, creative and academic writing, formal and informal discussions and debate, and formal presentation skills. Prerequisite: SPA301U, SPA302U, or SPA303.

SPA325 • Spanish for Business I  *(Guatemala Term, spring)*  4 credits
Students develop a solid foundation of business vocabulary, basic business and cultural concepts, and situational practice. Prepares students for today's Spanish-speaking business world both in the U.S. and abroad. Prerequisites: SPA202, SPA204, or placement exam.

SPA326 • Spanish for Business II  *(Guatemala Term, spring)*  4 credits
Students strengthen their knowledge of business vocabulary, basic business and cultural concepts, and situational practice. Prepares students for today's Spanish-speaking business world both in the U.S. and abroad. Prerequisite: SPA325.

SPA385 • Cross-Cultural Experience in Guatemala  *(Guatemala Term, spring)*  4 credits
An intensive experience of living and communicating in Guatemala as part of Guatemala Term. Student is immersed in the culture as much as possible and is guided by a mentor from the host culture. Graded on an S/U basis.

Spain Term (Fall)

SPA120A • Photography in Spain  *(Spain Term, fall)*  3 credits
Technical and conceptual acquaintance with the medium of photography and its vocabulary within the realm of high art. Includes camera operation, black and white film developing, black and white print processing, and print finishing. Course taught in Spanish. (Carries cross-credit in art.)
SPA292 • Ibero-American History in Spain
(Spain Term, fall) 4 credits
An examination of key historical processes in Spain, Latin America, and the Spanish-speaking communities in the United States with a focus on social, economic, political, geographic, and religious dimensions. Prerequisite: SPA202, SPA204, SPA206, SPA208, or placement exam.

SPA300 • Introduction to Hispanic Literature
(Spain Term, fall) 4 credits
Readings in novels, essays, short stories, poetry, newspapers, and magazines from Latin America and Spain. Prerequisite: SPA202, SPA208, or placement exam. Students may not receive credit for both SPA300 and SPA305.

SPA303 • Spanish Civilization and Culture
(Spain Term, fall) 4 credits
Study of the cultural richness of Spain in its history, society, art, film, and music. Students will also participate in a series of field trips to places of cultural interest in Segovia and to art museums in Madrid. Prerequisite: SPA202, SPA208, or placement exam.

SPA316 • Modern Spain: An Examination in Ethics
(Spain Term, fall) 4 credits
An examination of moral and ethical questions during the Spanish Civil War, the Franco regime, and post-Franco Spain. Topics include national unity, justice, political assassination, the responsibility of individuals in society, Basque nationalism, the role of the United States, immigration, and the role of the Catholic Church. Prerequisite: SPA301, SPA305 or consent of instructor.

SPA317 • Advanced Communication in Spain
(Spain Term, fall) 4 credits
Further development of communicative ability in Spanish, including reading, writing, listening, and conversational skills. Students write compositions, participate in discussions, have conversational exchanges with Spanish university students, give presentations, and read short essays. Prerequisite: SPA202 or equivalent.

SPA318 • Classical Literature in Spain
(Spain Term, fall) 4 credits
Prose and poetry from the classical literature of Spain. Prerequisite: SPA305 or may be taken concurrently with SPA300. Students may not receive credit for both SPA318 and SPA313.

Teaching English to Speakers of Other Languages (TESOL) Courses

TEL230 • Introduction to Teaching English to Speakers of Other Languages (TESOL)
(interim or occasionally spring) 3 credits
Overview of the field of teaching English to speakers of other languages (TESOL) for those considering employment in schools in the U.S. or abroad, or serving in missions or in the local community. Provides basic skills and resources for anyone interacting with new Americans.

TEL240 • TESOL Practicum Abroad
(by arrangement) 1 credit
In consultation with the department, students select a program outside the United States in which they teach English as a foreign language for at least three weeks. Prior to departure, students complete a study of the culture in which they will be living. Students share their experiences in a colloquium of TESL/TEFL majors upon their return. Graded on an S/U basis. Prerequisites: LIN215, TEL230, or TEL245; consent of the Department of Modern World Languages.

TEL301 • Analysis of the English Language
(spring, odd # yrs) 3 credits
Overview of the English language structure geared to the needs of teachers of English to speakers of other languages (both EFL and ESL). Understanding of English grammar and pronunciation with the purpose of being able to explain various grammatical aspects and provide answers to student questions concerning English grammar.
**Major in French (B.A.)**

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<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>FRE201</td>
<td>Intermediate French I</td>
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</tr>
<tr>
<td>FRE202</td>
<td>Intermediate French II</td>
<td>3</td>
</tr>
<tr>
<td>FRE301U*</td>
<td>Francophone Cultures</td>
<td>4</td>
</tr>
<tr>
<td>FRE305</td>
<td>Readings from the Francophone World</td>
<td>3</td>
</tr>
<tr>
<td>FRE306</td>
<td>Advanced French Communication</td>
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</tr>
<tr>
<td>FRE499</td>
<td>Senior Seminar: French</td>
<td>4</td>
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</table>

Three electives from French courses at 200 level or above (taken abroad), two of which must be courses in French language, culture, history, or literature. The third elective can be on any subject, but must be taught in French to count as a French elective. **9**

Choose from: 
- LIN210 Introduction to Second Language Acquisition **3**
- LIN300 Introduction to Linguistics
- EDU426 Methods in Teaching K-12 World Languages and Cultures

**Programs**

**Total** 122

* A student may also choose to use this course to meet a General Education requirement.

Additional requirements for major in French: Students must have a semester-long experience in a French-speaking setting outside the United States. The experience must include living with members of the host culture. The program must be approved by the chair of the Department of Modern World Languages.

In addition to the requirements for the French major, it is recommended that students take EDU426.
**Major in French Education K-12 (B.A.)**  
(Licensure in World Languages and Cultures)

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Three electives from French courses at 200 level or above (taken abroad), two of which must be courses in French language, culture, history, or literature. The third elective can be on any subject, but must be taught in French to count as a French elective.

**General Education**  
51-52

**Electives**  
4-5

**TOTAL**  
122

* A student may also choose to use this course to meet a General Education requirement.

**Additional requirements for major in French education K-12 (world languages and cultures licensure):** Students must have a semester-long experience in a French-speaking setting outside the United States. The experience must include living with members of the host culture. The program must be approved by the chair of the Department of Modern World Languages.

Students seeking licensure in the state of Minnesota to teach French K-12 (licensure in world languages and cultures) who are not native speakers of French are required to demonstrate intermediate-high level speaking proficiency as defined by ACTFL Proficiency Guidelines as well as proficiency in reading, listening, and writing via the Praxis II exam. Native speakers of French are required to demonstrate advanced-level proficiency in English and French.

Students must earn a grade of \( C \) or better in each content area (FRE, LIN) and education courses (EDU) in the major. Courses with a grade of \( C- \) or lower must be repeated.
### Major in Spanish (B.A.)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>SPA201 Intermediate Spanish I</td>
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<td>SPA202 Intermediate Spanish II</td>
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<td>SPA204 Intensive Intermediate Spanish II in Guatemala</td>
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<tr>
<td>SPA206 Spanish for Health Professionals I in Guatemala</td>
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<tr>
<td>SPA208 Spanish for Health Professionals</td>
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<td>SPA209 Ibero-American History</td>
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<td>SPA210A* Hispanic Cultures</td>
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<td>SPA212* Hispanic Cultures: Guatemalan Perspectives</td>
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<tr>
<td>SPA213 Spanish Civilization and Culture</td>
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<td>SPA215 Spanish for Business I in Guatemala</td>
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<tr>
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<td>SPA230 Introduction to Hispanic Literature</td>
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<tr>
<td>SPA231 Readings from Latin America and Spain</td>
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<td>SPA232 Current Issues in Guatemala</td>
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<tr>
<td>SPA233 Contemporary Literature</td>
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<tr>
<td>SPA234 Classical Literature</td>
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<td>SPA235 Modern Spain: An Examination in Ethics</td>
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<td>SPA236 Classical Literature in Spain</td>
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<td>SPA240 Electives from Spanish courses</td>
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<tr>
<td>SPA120A* Photography in Spain</td>
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<tr>
<td>LIN210 Introduction to Second Language Acquisition</td>
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<tr>
<td>LIN300 Introduction to Linguistics</td>
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<td>SPA499 Senior Seminar</td>
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**Total:** 122

* A student may also choose to use this course to meet a General Education requirement.

### Additional requirements for major in Spanish:

- Students must have a semester-long experience in a Spanish-speaking setting outside the United States. The experience must include living with members of the host culture. The program must be approved by the chair of the Department of Modern World Languages.
Major in Spanish Education K-12 (B.A.)
(Licensure in World Languages and Cultures)

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>SPA201</td>
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<td>Hispanic Cultures: Guatemalan Perspectives</td>
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<td>Readings from Latin America and Spain</td>
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<td>SPA308</td>
<td>Current Issues in Guatemala</td>
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<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
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<td>EDU203</td>
<td>School Health and Drugs</td>
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<tr>
<td>EDU220</td>
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<td>EDU240</td>
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<td>Educational Psychology Field Experience</td>
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TOTAL 71-74

General Education ........................................... 51-52

TOTAL 122-126

* A student may also choose to use this course to meet a General Education requirement.

Additional requirements for a major in Spanish education K-12 (world languages and cultures licensure): Students must have a semester-long experience in a Spanish-speaking setting outside the United States. The experience must include living with members of the host culture. The program must be approved by the chair of the Department of Modern World Languages.

— continued on next page —
Students seeking licensure in the state of Minnesota to teach Spanish K-12 (licensure in world languages and cultures) who are not native speakers of Spanish are required to demonstrate intermediate-high level speaking proficiency as defined by the ACTFL Proficiency Guidelines as well as proficiency in reading, listening, and writing via the Praxis II exam. Native speakers of Spanish are required to demonstrate advanced-level proficiency in English and Spanish.

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### Major in Teaching English as a Foreign Language (TEFL) (B.A.)

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<td>Introduction to Second Language Acquisition</td>
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</tr>
<tr>
<td>LIN215</td>
<td>Teaching Language Communication Skills for Second Language Learners</td>
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</tr>
<tr>
<td>LIN300</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>TEL240</td>
<td>TESOL Practicum Abroad</td>
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<tr>
<td>TEL301</td>
<td>Analysis of the English Language</td>
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<td>Internship in TEFL</td>
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<td>Introduction to Education Field Experience</td>
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<tr>
<td>EDU240</td>
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<td>EDU317GZ*</td>
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<td>FRE301U*</td>
<td>Francophone Cultures</td>
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<td>GES202U*</td>
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<td>GES209U*</td>
<td>Kenyan Culture</td>
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<td>Asian Civilizations</td>
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<tr>
<td>HIS205U*</td>
<td>History of China, Korea, and Japan</td>
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<td>HIS206U*</td>
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<td>HIS207U*</td>
<td>Latin American Civilizations</td>
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<tr>
<td>HIS212U*</td>
<td>Introduction to the Muslim World</td>
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<tr>
<td>HIS217L*</td>
<td>Christianity in Latin America</td>
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<tr>
<td>HIS304G*</td>
<td>History of African Religions</td>
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<td>History and Politics of Russia and China in the Modern World</td>
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<td>HIS354</td>
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<tr>
<td>PHI375G*</td>
<td>Asian Thought</td>
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<td>SPA301</td>
<td>Hispanic Cultures</td>
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<td>SPA302</td>
<td>Hispanic Cultures: Guatemalan Perspectives</td>
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<td>SPA303</td>
<td>Spanish Civilization and Culture</td>
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— continued from previous page —

— continued on next page —
Choose from:  TESOL Cross-Cultural Electives  

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<tr>
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<tr>
<td>ANT371G*</td>
<td>Christianity in Cross-Cultural Perspective</td>
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<tr>
<td>COM355</td>
<td>Intercultural Communication</td>
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<td>HIS210U*</td>
<td>Minorities in America</td>
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<td>POS202U*</td>
<td>Introduction to International Relations</td>
</tr>
<tr>
<td>PSY308G*</td>
<td>Cross-Cultural Psychology</td>
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<td>REL200L*</td>
<td>Western Religious Traditions</td>
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<td>REL205U*</td>
<td>Religions of India, China, and Japan</td>
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<td>SCS387Z</td>
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<td>SCS389</td>
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<td>SPA385</td>
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<tr>
<td>THE401</td>
<td>Christianity and the World’s Religions</td>
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</table>

General Education  

Electives  

TOTAL  122

* A student may also choose to use this course to meet a General Education requirement. 

a TESL majors who are non-native speakers of English must reach an advanced proficiency level in English. 

b Courses must be chosen so that at least two different geographic areas are studied (e.g., a course on Africa, a course on Latin America).
Major in Teaching English as a Second Language (TESL) K-12 (B.A.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tr>
<td>LIN215</td>
<td>Teaching Language Communication Skills for Second Language Learners</td>
<td>2</td>
</tr>
<tr>
<td>LIN300</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>TEL240</td>
<td>TESOL Practicum Abroad</td>
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<td>TEL320</td>
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<td>Introduction to Education Field Experience</td>
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<td>EDU203</td>
<td>School Health and Drugs</td>
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Choose from: TESOL Area Electives*

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<td>History of China, Korea, and Japan</td>
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<td>HIS206U*</td>
<td>History of India and Its Neighbors</td>
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<td>HIS207U*</td>
<td>Latin American Civilizations</td>
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<tr>
<td>HIS212U*</td>
<td>Introduction to the Muslim World</td>
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<td>Christianity in Latin America</td>
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</tr>
<tr>
<td>SPA303</td>
<td>Spanish Civilization and Culture</td>
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</tbody>
</table>

— continued on next page —
Choose from: Cross-Cultural Electives ................................................................. 3

ANT242U* Peoples and Cultures of the United States
ANT371G* Christianity in Cross-Cultural Perspective
COM355 Intercultural Communication
HIS210U* Minorities in America
POS202U* Introduction to International Relations
PSY308G* Cross-Cultural Psychology
REL200L* Western Religious Traditions
REL205U* Religions of India, China, and Japan
SCS387 Cross-Cultural Experience
SCS389 Cross-Cultural Mission Practicum
SPA385 Cross-Cultural Experience in Guatemala
THE401 Christianity and the World’s Religions

General Education ............................................................................................ 51-52

TOTAL 126-127 **

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 122 credits, including 1 credit of electives.

a TESL majors who are non-native speakers of English must reach an advanced proficiency level in English.

b Courses must be chosen so that at least two different geographic areas are studied (e.g., a course on Africa, a course on Latin America).

Students must earn a grade of C or better in each content area (TEL, ENW, LIN) and education courses in the major. Courses with a grade of C- or lower must be repeated.

**Minor in French**

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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<tr>
<td>FRE201 Intermediate French I ...................................................................... 3</td>
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<td>FRE202 Intermediate French II .................................................................... 3</td>
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<td>FRE301U Francophone Cultures</td>
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<td>FRE305 Readings from the Francophone World</td>
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<td>LIN210 Introduction to Second Language Acquisition</td>
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<td>LIN300 Introduction to Linguistics</td>
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</tbody>
</table>

TOTAL 20-21

* A student may also choose to use this course to meet a General Education requirement.

a Only one course chosen can carry the LIN designation.

Students are encouraged to study abroad. This experience could substitute for courses in the minor with prior approval of the department.
### Minor in German

<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>GER212</td>
<td>German Culture</td>
<td>4</td>
</tr>
<tr>
<td>GER306</td>
<td>Advanced German Communication</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
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<tr>
<td>EDU426</td>
<td>Methods in Teaching K-12 World Languages and Cultures</td>
<td></td>
</tr>
<tr>
<td>LIN210</td>
<td>Introduction to Second Language Acquisition</td>
<td></td>
</tr>
<tr>
<td>LIN300</td>
<td>Introduction to Linguistics</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL 19**  

* A student may also choose to use this course to meet a General Education requirement.

Students are encouraged to study abroad. This experience could substitute for courses in the minor with prior approval of the department.

### Minor in Modern World Languages

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT200U*</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>an additional course at the 200 level or above</td>
<td></td>
</tr>
<tr>
<td>in one of the two languages chosen above</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANT312G*</td>
<td>Peoples and Cultures of Oceania</td>
<td></td>
</tr>
<tr>
<td>ANT313G*</td>
<td>Peoples and Cultures of China and Inner Asia</td>
<td></td>
</tr>
<tr>
<td>ANT314G*</td>
<td>Peoples and Cultures of Latin America</td>
<td></td>
</tr>
<tr>
<td>ANT317G*</td>
<td>The Urban Church: Making a Difference</td>
<td></td>
</tr>
<tr>
<td>ANT371G*</td>
<td>Christianity in Cross-Cultural Perspective</td>
<td></td>
</tr>
<tr>
<td>COM355</td>
<td>Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>COM370</td>
<td>Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>EDU204UZ*</td>
<td>Teaching and Learning in Guadalajara</td>
<td></td>
</tr>
<tr>
<td>HIS204U*</td>
<td>African Civilizations</td>
<td></td>
</tr>
<tr>
<td>HIS207U*</td>
<td>Latin American Civilizations</td>
<td></td>
</tr>
<tr>
<td>HIS217L*</td>
<td>Christianity in Latin America</td>
<td></td>
</tr>
<tr>
<td>LIN210</td>
<td>Introduction to Second Language Acquisition</td>
<td></td>
</tr>
<tr>
<td>LIN300</td>
<td>Introduction to Linguistics</td>
<td></td>
</tr>
<tr>
<td>MUS305G*</td>
<td>Music in World Cultures</td>
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<tr>
<td>POS202U*</td>
<td>Introduction to International Relations</td>
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</tr>
<tr>
<td>TEL230</td>
<td>Introduction to Teaching English to Speakers of Other Languages (TESOL)</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Other courses may be chosen with the approval of the Department of Modern World Languages.

**TOTAL 20-21**  

* A student may choose to take one course in a language and three courses in another language if the single course is at the Intro II level or above.

* A student may also choose to use this course to meet a General Education requirement.
### Minor in Spanish

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>SPA201</td>
<td>Intermediate Spanish I</td>
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<tr>
<td>SPA203</td>
<td>Intensive Intermediate Spanish I in Guatemala</td>
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<tr>
<td>SPA202</td>
<td>Intermediate Spanish II</td>
<td>3-4</td>
</tr>
<tr>
<td>SPA204</td>
<td>Intensive Intermediate Spanish II in Guatemala</td>
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</tr>
<tr>
<td>SPA206</td>
<td>Spanish for Health Professionals I in Guatemala</td>
<td></td>
</tr>
<tr>
<td>SPA208</td>
<td>Spanish for Health Professionals</td>
<td></td>
</tr>
<tr>
<td>SPA290</td>
<td>Ibero-American History</td>
<td>3-4</td>
</tr>
<tr>
<td>SPA291</td>
<td>Ibero-American History in Guatemala</td>
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</tr>
<tr>
<td>SPA292</td>
<td>Ibero-American History in Spain</td>
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<tr>
<td>SPA301U*</td>
<td>Hispanic Cultures</td>
<td>4</td>
</tr>
<tr>
<td>SPA302U*</td>
<td>Hispanic Cultures: Guatemalan Perspectives</td>
<td></td>
</tr>
<tr>
<td>SPA303</td>
<td>Spanish Civilization and Culture</td>
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</tr>
<tr>
<td>SPA306</td>
<td>Spanish for Health Professionals II</td>
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</tr>
<tr>
<td>SPA325</td>
<td>Spanish for Business I in Guatemala</td>
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<tr>
<td>SPA300</td>
<td>Introduction to Hispanic Literature</td>
<td>3-4</td>
</tr>
<tr>
<td>SPA305</td>
<td>Readings from Latin America and Spain</td>
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<tr>
<td>SPA120A*</td>
<td>Photography in Spain</td>
<td>6</td>
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</table>

Electives from Spanish courses at 200 level or above
EDU204UZ*  Teaching and Learning in Guadalajara
EDU426     Methods in Teaching K-12 World Languages and Cultures
LIN210     Introduction to Second Language Acquisition
LIN300     Introduction to Linguistics

**TOTAL** 22-26

* Only one course chosen may carry the EDU or LIN designation.

* A student may also choose to use this course to meet a General Education requirement.

Students are encouraged to study abroad. This experience could substitute for courses in the minor with prior approval of the department.
Minor in Teaching English to Speakers of Other Languages (TESOL)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>LIN210</td>
<td>Introduction to Second Language Acquisition</td>
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<tr>
<td>LIN215</td>
<td>Teaching Language Communication Skills for Second Language Learners</td>
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<td>TEL240</td>
<td>TESOL Practicum Abroad</td>
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<td>TEL320</td>
<td>Curriculum Development and Assessment</td>
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<tr>
<td>LIN300</td>
<td>Introduction to Linguistics</td>
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<tr>
<td>TEL301</td>
<td>Analysis of the English Language</td>
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<tr>
<td>A modern world language .....................................</td>
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</tr>
<tr>
<td>Choose from:</td>
<td>........................................................................</td>
<td>3-4</td>
</tr>
<tr>
<td>ANT242U*</td>
<td>HIS201U*</td>
<td></td>
</tr>
<tr>
<td>ANT312G*</td>
<td>HIS204U*</td>
<td></td>
</tr>
<tr>
<td>ANT313G*</td>
<td>HIS205U*</td>
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<tr>
<td>ANT314G*</td>
<td>HIS206U*</td>
<td></td>
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<tr>
<td>ANT371G*</td>
<td>HIS207U*</td>
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<tr>
<td>COM355</td>
<td>HIS210L*</td>
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<tr>
<td>FRE301U*</td>
<td>HIS217L*</td>
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<tr>
<td>GER212</td>
<td>HIS304G</td>
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<td>HIS202U*</td>
<td>HIS352</td>
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<td>HIS354</td>
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<tr>
<td>PH1375G*</td>
<td>PH1375G*</td>
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<tr>
<td>POS202U*</td>
<td>POS202U*</td>
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<tr>
<td>PSY308G*</td>
<td>PSY308G*</td>
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<tr>
<td>REL200L*</td>
<td>REL200L*</td>
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<tr>
<td>SPA301U*</td>
<td>SPA301U*</td>
<td></td>
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<tr>
<td>SPA302U*</td>
<td>SPA302U*</td>
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<td>SCS387</td>
<td>SCS387</td>
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<td>SCS389</td>
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<tr>
<td>THE401</td>
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<tr>
<td>TOTAL</td>
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</table>

*A student may also choose to use this course to meet a General Education requirement.

Students who minor in TESOL must have three weeks or more of experience in teaching English abroad or an ESL experience in the United States. This experience must be approved by the chair of the Department of Modern World Languages prior to the experience.
### Major in Biochemistry/Molecular Biology (B.S.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIO112D*</td>
<td>Introduction to Molecular and Cellular Biology</td>
<td>4</td>
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<tr>
<td>BIO113D*</td>
<td>Introduction to Organismic Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO312</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO341</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO378</td>
<td>Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td>4-8</td>
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<tr>
<td>CHE111D*/CHE212</td>
<td>General Chemistry I, II</td>
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<tr>
<td>CHE210D</td>
<td>Accelerated General Chemistry</td>
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<tr>
<td>CHE221</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHE222</td>
<td>Organic Chemistry II</td>
<td>4</td>
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<tr>
<td>CHE331</td>
<td>Analytical Chemistry I</td>
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<tr>
<td>CHE341</td>
<td>Physical Chemistry I</td>
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<tr>
<td>CHE/BIO386</td>
<td>Biochemistry I</td>
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<tr>
<td>CHE387</td>
<td>Biochemistry II</td>
<td>4</td>
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<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
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<tr>
<td>MAT125</td>
<td>Calculus 2</td>
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<tr>
<td>PHY290D*</td>
<td>General Physics I</td>
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<td>PHY295</td>
<td>General Physics II</td>
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<tr>
<td>BIO399, 495, 496, 499</td>
<td>Biology Seminar/Research or</td>
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<tr>
<td>CHE391, 392, 493, 494</td>
<td>Chemistry Seminar</td>
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</table>

General Education: 51-52

**TOTAL 119-124**

BIO207 Microbiology is recommended.

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 122 credits, including up to 6-7 credits of electives.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BUS105</td>
<td>Information Technology and Applications</td>
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<tr>
<td>ECO201</td>
<td>Principles of Economics</td>
<td>4</td>
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<tr>
<td>Choose from:</td>
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<tr>
<td>BUS100M</td>
<td>Business Calculus</td>
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<tr>
<td>BUS130</td>
<td>Business Problem Solving</td>
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<tr>
<td>MAT131M</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>POS211</td>
<td>The Political Quest</td>
<td>3</td>
</tr>
<tr>
<td>POS306</td>
<td>Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POS499</td>
<td>Senior Seminar</td>
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<tr>
<td>Choose from:</td>
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<tr>
<td>POS100</td>
<td>American Politics and Government</td>
<td>3</td>
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<tr>
<td>POS202U</td>
<td>Introduction to International Relations</td>
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</tr>
<tr>
<td>Choose from:</td>
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<td>15</td>
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<tr>
<td>BUS210</td>
<td>Financial Accounting</td>
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<tr>
<td>BUS220</td>
<td>Principles of Marketing</td>
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<tr>
<td>BUS230</td>
<td>Principles of Management</td>
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<tr>
<td>BUS344</td>
<td>Managerial Finance</td>
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<tr>
<td>BUS361</td>
<td>Business Law</td>
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<tr>
<td>Elective from 200-level or above economics course, excluding ECO200 Economics of Public Policy Analysis</td>
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<tr>
<td>Choose one course from three of the following four areas:</td>
<td>9-10</td>
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<tr>
<td>American Politics and Government: POS304, POS325, POS330K*, POS340, POS342</td>
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</tr>
<tr>
<td>International Relations: POS305G*, POS310, POS313G*, POS324G*</td>
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<tr>
<td>Comparative Politics: POS315, POS317, POS321, POS327G*</td>
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<tr>
<td>Political Philosophy: POS345, POS360, POS410</td>
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<td>General Education</td>
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<td>51-52</td>
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<tr>
<td>Electives</td>
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<td>TOTAL</td>
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</table>

* A student may also choose to use this course to meet a General Education requirement.
## Major in International Relations (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO201</td>
<td>Principles of Economics</td>
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<tr>
<td>ECO305</td>
<td>International Trade and Finance</td>
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<tr>
<td>GEO120</td>
<td>Introduction to Geography</td>
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<td>POS202U*</td>
<td>Introduction to International Relations</td>
<td>3</td>
</tr>
<tr>
<td>POS211</td>
<td>The Political Quest</td>
<td>3</td>
</tr>
<tr>
<td>POS310</td>
<td>American Foreign Relations</td>
<td>3</td>
</tr>
<tr>
<td>A modern world language*</td>
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<td>6</td>
</tr>
<tr>
<td>Culminating Experience (Directed Study, Senior Seminar, etc.)**</td>
<td>4</td>
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<tr>
<td>Choose from political science:</td>
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<tr>
<td>POS221L*</td>
<td>American Political Ideologies</td>
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<tr>
<td>POS241L*</td>
<td>Revolution and Political Development</td>
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<tr>
<td>POS313G*</td>
<td>International Cooperation</td>
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<tr>
<td>POS321</td>
<td>Contemporary Democracies</td>
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<tr>
<td>HIS/POS327G*</td>
<td>History and Politics of Russia and China</td>
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<tr>
<td>in the Modern World</td>
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<tr>
<td>Choose from business and economics:</td>
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<tr>
<td>BUS370G*</td>
<td>International Business</td>
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<tr>
<td>ECO310</td>
<td>History of Economic Thought</td>
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<tr>
<td>ECO320G*</td>
<td>Economic Development of Less-Developed Countries</td>
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<tr>
<td>Choose from the courses listed above or below.</td>
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</tr>
<tr>
<td>At least 3 credits must be from departments other than economics, modern world languages, and political science. At least 6 credits must be 300 level or above.</td>
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</tr>
<tr>
<td>Anthropology and Sociology</td>
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<tr>
<td>ANT200U*</td>
<td>ANT371G*</td>
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<tr>
<td>ANT314G*</td>
<td>SOC101</td>
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<td>SOC342G*</td>
<td>SCS379G*</td>
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<tr>
<td>SCS387Z*</td>
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<tr>
<td>English</td>
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<td>ENL202</td>
<td>ENL241L*</td>
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<td>ENL354</td>
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<td>ENL350</td>
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<td>GES416P*</td>
<td>GES440P*</td>
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<td>GES445P*</td>
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<tr>
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<tr>
<td>GES416P*</td>
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<tr>
<td>General Studies</td>
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<tr>
<td>GES416P*</td>
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<td>Geography</td>
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</tr>
<tr>
<td>History</td>
<td>HIS201U*</td>
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</tr>
<tr>
<td>HIS242L*</td>
<td>HHS273G*</td>
<td></td>
</tr>
<tr>
<td>HIS320K*</td>
<td>HIS352</td>
<td></td>
</tr>
<tr>
<td>HIS372G*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern World Languages</td>
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<td></td>
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<tr>
<td>Any modern world language course *</td>
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<tr>
<td>Philosophy</td>
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<tr>
<td>PHI210L*</td>
<td>PHI252</td>
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<tr>
<td>PHI263</td>
<td>PHI375G*</td>
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<tr>
<td>Psychology</td>
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<td>PSY215</td>
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<td>THA291L*</td>
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** General Education ................................................................. 51-52
** Electives ....................................................................................... 17-18

** TOTAL  122

*A student may also choose to use this course to meet a General Education requirement.

** This must have a major international relations emphasis.

Students are strongly encouraged to seek appropriate international study experiences, for which academic credit will be given wherever possible under Bethel policies.
**Major in Social Studies Education 5-12 (B.A.)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT200U*</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics</td>
<td>4</td>
</tr>
<tr>
<td>GEO120</td>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIS320K*</td>
<td>History and the Human Environment</td>
<td>3</td>
</tr>
<tr>
<td>POS100</td>
<td>American Politics and Government</td>
<td>3</td>
</tr>
<tr>
<td>PSY100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>HIS200L*</td>
<td>American Civilization</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives from 200 level or above, at least half of which must be 300 level or above, from two or more of the seven disciplines listed above or from sociocultural studies courses ..............................................24

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU200</td>
<td>Introduction to Education</td>
<td>3</td>
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<tr>
<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
<td>1</td>
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<tr>
<td>EDU203</td>
<td>School Health and Drugs</td>
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<tr>
<td>EDU220</td>
<td>Introduction to Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU240</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU241</td>
<td>Educational Psychology Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU317GZ*</td>
<td>Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDU320</td>
<td>Pedagogy of the Young Adolescent Learner</td>
<td>2</td>
</tr>
<tr>
<td>EDU418</td>
<td>Methods in Teaching 9–12 Social Studies</td>
<td>2</td>
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<tr>
<td>EDU419</td>
<td>Middle Level Seminar and Practicum in Social Studies 5-8</td>
<td>2</td>
</tr>
<tr>
<td>EDU490</td>
<td>Student Teaching Block</td>
<td>15</td>
</tr>
</tbody>
</table>

87-88

General Education ............................................................................................51-52

TOTAL 137-139**

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 132-133 credits.

Students must earn a grade of C or better in all education courses and each content area course (ANT, ECO, GEO, HIS, POS, PSY, SOC) listed above in the major. Courses with grades of C- or lower must be repeated.
## Major in Third World Studies (B.A.)

(to be taken only with another major)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT200U*</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Choose from:</td>
<td>........................................................................</td>
<td>---------</td>
</tr>
<tr>
<td>SCS/SPA385</td>
<td>Cross-Cultural Experience in Guatemala</td>
<td>3-4</td>
</tr>
<tr>
<td>SCS387Z</td>
<td>Cross-Cultural Experience</td>
<td></td>
</tr>
</tbody>
</table>

Six credits from any four of the areas listed below: 24

(Notice of these may come from the department of the student’s other major.)

- **Anthropology and Sociology**
  - ANT314G*
  - SCS379G*
  - SOC341G*
  - ANT371G*
  - SOC303G*

- **Biblical and Theological Studies**
  - BIB331G*
  - REL205U*
  - REL354
  - THE401

- **Economics**
  - ECO201
  - ECO305
  - ECO320G*

- **History**
  - HIS201U*
  - HIS206U*
  - HIS241L*
  - HIS327G*
  - HIS204U*
  - HIS207U*
  - HIS304G*
  - HIS372
  - HIS205U*
  - HIS217L*

- **Modern World Languages**
  - Spanish or French at the intermediate level or above
  - or any indigenous language of the third world at any level

- **Political Science**
  - POS202U*
  - POS241L*
  - POS327G*

- **Psychology**
  - PSY308G*
  - PSY313G*

<p>| | | |</p>
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<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>30-31</td>
</tr>
</tbody>
</table>

**Major from another department (minimum 30 credits)**: 30-31

**General Education**: 51-52

**Electives**: 8-11

**TOTAL**: 122

* A student may also choose to use this course to meet a General Education requirement.

A student should consult the coordinator of the third world studies major as early as possible in the program.

### Additional requirements for a major in third world studies:

1. At least 12 credits (may include SCS387Z or SCS389) must be focused on a single geographic area (e.g., Latin America, Africa, Southeast Asia). This focus can be achieved, for example, by a term paper or major project in the course, or by supplementary readings. These courses must be pre-approved by the coordinator of the third world studies major.

2. Integrative, culminating experience in the student’s senior year. This course must be chosen in consultation with the coordinator of the third world studies major. It can often be the Senior Seminar of the student’s other major, provided it allows a third-world focus.
## Minor in Asian Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS205U*</td>
<td>History of China, Korea, and Japan</td>
<td>3</td>
</tr>
<tr>
<td>HIS206U*</td>
<td>History of India and Its Neighbors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Competency in an Asian language *</td>
<td>0–8</td>
</tr>
<tr>
<td></td>
<td>Choose from the following:</td>
<td></td>
</tr>
<tr>
<td>ANT313G*</td>
<td>Peoples and Cultures of China and Inner Asia</td>
<td>7–15</td>
</tr>
<tr>
<td>ARH/REL201</td>
<td>Religion and Art in Asia</td>
<td></td>
</tr>
<tr>
<td>HIS205U*</td>
<td>History of China, Korea, and Japan (if not selected above)</td>
<td></td>
</tr>
<tr>
<td>HIS206U*</td>
<td>History of India and Its Neighbors (if not selected above)</td>
<td></td>
</tr>
<tr>
<td>HIS372</td>
<td>Topics in Global History (Asian topic(b) or focus(c))</td>
<td></td>
</tr>
<tr>
<td>PHI375G*</td>
<td>Asian Thought</td>
<td></td>
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<tr>
<td>PHI490</td>
<td>Topics in Philosophy (Asian topic(b) or focus(c))</td>
<td></td>
</tr>
<tr>
<td>POS202U*</td>
<td>Introduction to International Relations (Asian focus(c))</td>
<td></td>
</tr>
<tr>
<td>POS241</td>
<td>Revolution and Political Development (Asian focus(c))</td>
<td></td>
</tr>
<tr>
<td>REL205U*</td>
<td>Religions of India, China, and Japan</td>
<td></td>
</tr>
<tr>
<td>REL400</td>
<td>Religious Studies Seminar (Asian topic(b) or focus(c))</td>
<td></td>
</tr>
<tr>
<td>SOC372G*</td>
<td>Religion in Society (Asian focus(c))</td>
<td></td>
</tr>
<tr>
<td>THE401</td>
<td>Christianity and the World’s Religions (Asian focus(c))</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

* A student may also choose to use this course to meet a General Education requirement.

\(a\) Course work or other experience equivalent to a first-year college course in that language.

\(b\) “Asian topic” means that the student can apply this course to the minor only when an Asian topic is offered. Example: HIS372G* Christianity in Asia.

\(c\) “Asian focus” means that the instructor must have Asian expertise and students must contract with the instructor early in the term to do the majority of their work on Asia. At least 50 percent of the students’ work in this course, including term papers, must have Asian content.

Consult the registrar prior to enrolling in courses taken elsewhere for transfer to Bethel.

Consult the Asian studies advisor regarding language competency and program guidance.
The Department of Music offers four degree programs for music majors:

1. Bachelor of Music Education—a professional degree designed for students who wish to become fully qualified elementary or secondary school music teachers. Students may elect certification in instrumental K–12 or vocal K–12. Bethel’s music education degree fulfills the Minnesota certification requirements.
2. Bachelor of Music in Applied Performance—a professional degree designed for students with strong performance skills who wish to become professional musicians, college and university teachers, or private studio teachers.
3. Bachelor of Arts in Sacred Music—a degree designed for students who wish to assume positions of positive leadership as musicians in the evangelical church.
4. Bachelor of Arts in Music—a degree designed for students who want to develop their musical skills within a liberal arts program with enough flexibility to pursue additional studies in other fields of interest, such as biblical studies, business, psychology, theatre arts, etc.

Students majoring in fields outside of music may take private lessons, participate in performance organizations, or choose elective courses in music.

Transfer students must demonstrate acceptable proficiency levels in music theory, music history, and applied music before admittance to the major program. Credits used toward the major are evaluated on an individual basis by the department.

### Courses

#### Music Courses

- **MUS101 • Music Fundamentals** (fall) 1 credits
  Fundamentals of music theory notation: clefs, time signatures, major and minor key signatures, major and all three forms of minor scales, intervals and triads, including qualities and inversions, Roman numeral analysis with figured bass, overtone series.

- **MUS103 • Introduction to Music Literature** (fall) 2 credits
  Development of listening skills and musical vocabulary pertinent to the study of Western music history through chronological survey of major historical style periods and representative literature.

- **MUS104 • Music Theory I** (spring) 3 credits
  A continuation of MUS101 concepts and materials: voice-leading and part-writing of triads and seventh chords, and modulations in diatonic chorale style. Beginning development of ear-training and sight-singing, music technology, computer applications, and continuation of functional keyboard skills. Prerequisites: MUS101; MUS103.

- **MUS195 • Music Hour** (fall, spring) 0 credits
  A semi-monthly informal recital for the purpose of student performance or discussion of topics of significance to musicians. Music majors and minors are required to perform on their applied instruments in a minimum of one Music Hour recital per semester. First-semester freshmen perform at the discretion of the private instructor. Music majors must register each semester in residence in order to complete the Recital and Concert Attendance requirements for graduation. S/U grading. Prerequisite: Music major or minor.
MUS202 • Music Theory II  
*(fall)* 3 credits  
A continuation of MUS104 concepts and materials: advanced voice-leading and part-writing skills, chromaticism/non-diatonicism, introduction to jazz and pop theory. Continued development of ear-training, sight-singing, functional keyboard skills, music technology, and computer applications. Prerequisite: MUS104.

MUS203 • Music Theory III  
*(spring)* 3 credits  
Practice in 16th century counterpoint; analysis of forms from 18th century counterpoint through classical forms; continuation of ear-training, sight-singing, and functional keyboard skills. Prerequisite: MUS202 or consent of instructor.

MUS230 • Music and Worship  
*(spring, even # yrs)* 3 credits  
The role of music within the context of Christian corporate worship. Current practice in church music is analyzed from a theological and historical perspective with the goal of forming musical practice that matches biblical function.

MUS301 • Music Theory IV  
*(spring, odd # yrs)* 3 credits  
Advanced analysis and composition in all styles. Advanced MIDI operations and special topics, including jazz history. Prerequisite: MUS202.

MUS305G • Music in World Cultures  
*(fall)* 3 credits  
Introductory study of cultural traditions, belief systems, and practices of world cultures through the study and analysis of the music of ethnic groups. Specific cultures included may vary each year. Prerequisites: GES130 or GES 145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

MUS312 • Music History and Literature I  
*(fall)* 3 credits  
Chronological survey of Western musical art from the Greek civilization through the Baroque period with detailed examination of representative works. Required listening, examinations, field trips, and written projects. Prerequisites: MUS103; MUS104.

MUS313 • Music History and Literature II  
*(spring)* 3 credits  
A continuation of MUS312, from 1750 to the present. Prerequisite: MUS312.

MUS322 • Instrumental Literature and Conducting  
*(spring)* 3 credits  
Principles of conducting as applied to orchestral and band literature. Musical style and the responsibility of the conductor to the score. Instrumental music of the Classic, Romantic, and 20th century periods will be explored. Prerequisite: MUS324.

MUS323 • Instrumentation  
*(spring)* 2 credits  
Introduction of all major instruments with emphasis on transpositions, ranges, and idiomatic writing. Arranging of music for large and small combinations of woodwind, brass, string, and percussion instruments. Prerequisites: MUS202; MUS312.

MUS324 • Choral Literature and Conducting  
*(fall)* 3 credits  
Development of conducting techniques with the application of stylistic principles to the styles of the Renaissance, Baroque, Classic, Romantic, and 20th century periods. Prerequisites: MUS203; MUS313.

MUS326 • Vocal Literature  
*(spring, odd # years)* 3 credits  
Survey of solo vocal repertoire from early music through the present day. Develops skill in the study of song literature. Highlights significant features and developments inherent in the form. Prerequisite: MUS312, MUS313, or instructor approval.

MUS331 • Song of the Church  
*(spring, odd # yrs)* 3 credits  
The historic song of the Christian church from New Testament times to the present day. Emphasis is placed on historical context, doctrinal foundations, and use in modern Christian life and worship.
MUS358 • Brass Pedagogy  
Methods of teaching brass instruments (trumpet, horn, trombone, tuba). Performance techniques and materials as well as practical experience on each of the representative instruments. Prerequisite: Major or minor in music.

MUS359 • Percussion Pedagogy  
Methods of teaching percussion (snare drum, keyboard/mallets, timpani, concert accessories/auxiliary, drum set). Performance techniques and materials as well as practical experience on most of the represented instruments. Prerequisite: Major or minor in music.

MUS360 • String Pedagogy  
Methods of teaching stringed instruments (violin, viola, cello, bass). Performance techniques and materials as well as practical experience on each of the representative instruments. Prerequisite: Major or minor in music.

MUS362 • Woodwind Pedagogy  
Methods of teaching woodwind instruments (flute, clarinet, oboe, saxophone, bassoon). Performance techniques and materials as well as practical experience on each of the representative instruments. Prerequisite: Major or minor in music.

MUS363 • Vocal Pedagogy  
Methods of teaching the vocal mechanism and its functions. Performance techniques and materials as well as practical experience. Prerequisite: Major or minor in music.

MUS364, 365 • Diction for Singers I, II  
Studies in pronunciation of Italian, French, German, and English songs through the use of International Phonetic Alphabet (IPA). Verbal, written, and sung realization of this work practiced on assigned repertoire. Prerequisites: One year private voice study or equivalent for MUS364; MUS364 for MUS365.

MUS395 • Junior Recital  
A culminating performance experience required for the bachelor of music applied performance major. A one-half-hour recital of Level III repertoire is presented. Prerequisite: Pre-recital hearing.

MUS495 • Half Senior Recital  
A culminating performance experience required for the bachelor of arts in sacred music and bachelor of music education majors. A one-half-hour recital of Level III repertoire is presented. Prerequisite: Pre-recital hearing.

MUS496 • Full Senior Recital  
A culminating performance experience required for the bachelor of music applied performance major. A one-hour recital of Level IV repertoire is presented. Prerequisite: Pre-recital hearing.

Musical Performance Organizations

MUP101A through MUP464A • Performance Organizations  
Students with a major in music are required to be in a performance organization for four years. Students with a minor in music are required to be in a performance organization for a minimum of two years. Credit for transfer students is evaluated on an individual basis. For non-majors, four credits may be applied toward the graduation requirement of 122 credits.
MUP101A, 102A, 201A, 202A, 301A, 302A, 401A, 402A • (fall, spring) 1 credit
Bethel Women’s Chorale
The Bethel Women’s Chorale is open by audition to female students from all academic disciplines and rehearses four times each week. The chorale performs and tours throughout the United States.

MUP111A, 112A, 211A, 212A, 311A, 312A, 411A, 412A • (fall, spring) 1 credit
Bethel Choir
The Bethel Choir is open by audition and presents concerts throughout the United States or Europe during its annual concert tours. The choir rehearses four days each week.

MUP121A, 122A, 221A, 222A, 321A, 322A, 421A, 422A • (fall, spring) 1 credit
Bethel Male Chorus
An ensemble of men rehearsing, studying, and learning a wide variety of music literature composed specifically for male voices. Approaches all aspects of musical and vocal learning: singing properly, singing proper notation, reading music, singing in tune, and singing expressively. Prerequisites: Audition and the ability to sing at least at entry level.

Bethel University Orchestra
The Bethel University Orchestra performs works from all periods of the classical repertoire. They perform in the Twin Cities and tour regionally. The Bethel University Orchestra is open by audition to students from all academic disciplines. Meets Monday-Thursday.

Wind Symphony
The Wind Symphony is an active performance group presenting concerts locally as well as throughout the United States or Europe. The Wind Symphony is open by audition to wind, brass, and percussion players from all academic disciplines of the university.

In addition to the above, the following noncredit performance organization is available:
• Festival Choir. Required for members of the Bethel Choir, Bethel Women’s Chorale, and Bethel Male Chorus. The Festival Choir participates in the four performances of the annual Festival of Christmas. It presents a major choral work in the spring term with orchestra. One rehearsal each week.

Musical Ensembles

MUE101A through MUE472A • Ensembles (fall, spring) 1 credit
Bethel offers a large selection of vocal and instrumental ensembles. All ensembles are open by audition to students who are members of a performance organization (MUPxxx) or who have special permission from the conductor. Though a student may participate in more than one ensemble (MUExxx) each semester, only one may be taken for credit. No more than two ensembles or performance organizations may be taken for credit in any semester. During the college career no more than 16 credits total for ensembles (MUExxx) and performance organizations (MUPxxx) may be taken for credit. Prerequisite: Participation in a major performance organization (MUP101A through MUP464A).

MUE101A, 102A, 201A, 202A, 301A, 302A, 401A, 402A • (fall, spring) 1 credit
Chamber Choir
The chamber choir rehearses and performs music specifically designed for small ensemble part-singing. In the first semester the ensemble explores traditional pre-20th century literature including French chansons and European madrigal literature. In the second semester emphasis shifts to the 20th century, with exploration of contemporary literature and vocal jazz. Prerequisite: Participation in Bethel Choir, Bethel Women’s Chorale, or Bethel Male Chorus.
MUE131A, 132A, 231A, 232A, 331A, 332A, 431A, 432A • (fall, spring) 1 credit
Handbell Ensemble
The handbell ensemble performs a wide range of repertoire from the finest original compositions and arrangements available for handbells. The ensemble performs in the Festival of Christmas, presents a spring concert, and performs in area churches. Open by audition to students from all academic disciplines. One rehearsal each week.

MUE141A, 142A, 241A, 242A, 341A, 342A, 441A, 442A • (occasionally) 1 credit
Chamber Ensemble
An opportunity to develop self-expression through the discovery and performance of instrumental chamber music. This class meets once a week for 1.5 hours of coaching and requires 1.5 hours of additional preparation. Ensembles are arranged by individual audition, and practicing is required.

MUE151A, 152A, 251A, 252A, 351A, 352A, 451A, 452A • (fall, spring) 1 credit
Jazz Orchestra
This ensemble explores the unique American art form of jazz, performing various styles from traditional big band to fusion. Concerts include the spring Jazz in the Great Hall. Open by audition. One rehearsal each week. Prerequisite: Participation in Wind Symphony or approval of director of instrumental activities.

MUE161A, 162A, 261A, 262A, 361A, 362A, 461A, 462A • (fall, spring) 1 credit
Chamber Winds and Percussion
Small instrumental groups emphasize performance and training in ensemble repertoire for small wind or percussion ensembles including but not limited to: brass quintet, woodwind quintet, percussion ensemble, or any other instrumental family ensembles. Open by audition. One rehearsal each week. Prerequisite: Participation in Wind Symphony or approval of director of instrumental activities.

Music Lessons

MUL101A through MUL139A • (fall, spring) 1 credit/half hour
Private Lessons
Private lessons are offered in voice, piano, pipe organ, violin, viola, cello, double bass, flute, oboe, clarinet, bassoon, saxophone, English horn, horn, trumpet, trombone, euphonium, tuba, harp, percussion, and guitar. Lessons may be taken for one-half hour, three-quarter hour, or one hour per week with or without credit. Practice requirement expectations and standards are detailed in the Music Department Student Handbook. Students receive 12 lessons per semester if they register before or during the first week of the semester. To receive credit, a student must have a minimum of 10 lessons. Students registering late are not allowed to make up the lessons they missed. Lessons cannot begin or be registered for after the third week of the semester. All music majors are required to register for a three-quarter hour lesson. Students preparing for a recital are encouraged to register for a one-hour lesson. Voice lessons require a regularly scheduled studio voice lab.

MUL140A • (fall, spring) 1 credit
Beginning Piano
A series of class lessons recommended for students who have had formal piano study. Using the keyboard laboratory, students learn to read music and harmonize simple folk melodies at the piano as well as acquire some basic theory.

MUL141A • (fall, spring) 1 credit
Beginning Voice
A series of class lessons, lectures, and student performances to give the beginning vocalist a basic foundation in singing. Incorporates folk, musical theatre, and classic literature.
MUL142A • Beginning Guitar *(fall, spring)* 1 credit
A series of lessons designed to give the beginning guitarist a foundation in acoustic (nonelectric) guitar, including basic tuning techniques, chords in seven keys, reading of notes on the first five frets, strumming rhythms, fingerpicking, and song leading. Music education majors may use successful completion of this course to satisfy the guitar proficiency requirement.

MUL143A • Introduction to Keyboard Theory *(fall)* 1 credit
A series of class lessons for music majors and minors who have little or no background in keyboard theory skills. Graded on a S/U basis.

MUL144A • Group Voice *(fall, spring)* 1 credit
A series of lessons given for a group of three to four beginning students. Lessons last one hour and cover basic techniques of singing and performance of folk, musical theatre, or classical literature. Some one-on-one instruction may occur as the class advances. Prerequisite: MUL141A or membership in Women’s Chorale or Male Chorus.

MUL241/341/441 • Intermediate Voice Class *(fall, spring)* 1 credit
A series of voice classes at the intermediate level, designed to help students develop their vocal abilities through pedagogical study, class exercises, and preparation of songs/scenes from the standard vocal repertoire. Repertoire includes music from multiple genres. Individual repertoire is chosen to meet each student’s musical and curricular needs. Students perform for the rest of the class as well as in a final recital that is open to the public. Prerequisite: MUL141A or instructor approval. May be taken for repeated credit.

MUL242A • Intermediate Guitar *(spring)* 1 credit
A series of lessons designed to advance the student beyond the foundational guitar techniques introduced in MUL142A, including barred chords, chord alteration, advanced strumming and fingerpicking, performance techniques, guitar music theory, and arranging. Prerequisite: MUL142A or consent of instructor.

MUL243/343/443 • Practical Studies in Vocal Performance *(interim, even # yrs)* 3 credits
Lessons, workshops, and observations of students and professionals on campus and in New York City. Designed to help students increase performance abilities. Pedagogical study and coaching of two pieces from art song, operatic, or musical theatre repertoire prepared prior to course. A final performance is on campus. Prerequisite: Instructor approval. May be taken for repeated credit.

MUL300 • Applied Composition *(fall, spring)* 1 credit/half hour
Private (or small group) study in composition beginning with single instruments followed by chamber groups and large ensembles. Computer notation and MIDI sequencing also included. Performance of original works encouraged when appropriate or required. The private lesson fee applies to this course. Prerequisite: MUS202 or consent of instructor.

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**Education Courses (see Department of Education)**

EDU432 • Methods in Teaching Elementary Music

EDU433 • Methods in Teaching Secondary Music
**MUSIC PROFICIENCIES**

- **Applied Proficiencies.** All students majoring in music must meet competency performance standards as specified by the department. The levels of proficiency are determined by the student’s degree program. Applied performance majors must fulfill Level IV; sacred music majors must fulfill Level III; music education majors must fulfill Level III; B.A. majors must fulfill Level III. Consult the Department of Music for the repertoire required for each level in voice, keyboard, and all instruments.
- **Piano Proficiency.** Expectations and standards are detailed in the *Department of Music Student Handbook.*
- **Guitar Proficiency.** Expectations and standards are detailed in the *Department of Music Student Handbook.*

**ADDITIONAL REQUIREMENTS**

- **Recital and Concert Attendance.** Music majors are required to attend 32 on-campus concerts/recitals/Music Hours or approved professional off-campus concerts during each academic year. Expectations are detailed in the *Department of Music Student Handbook.* Music minors are required to attend 64 concerts over a four-year period. Expectations are detailed in the *Department of Music Student Handbook.* Concerts that meet this requirement include faculty recitals, student recitals, and approved professional off-campus concerts.
- **Music Juries.** Music majors and minors taking private lessons must perform on their applied instrument before the music faculty at music juries. The music jury is waived during the semester in which a recital is given or the sophomore interview is taken. A music minor is required to perform before a music jury a minimum of four semesters. The music jury can constitute the 12th lesson for music majors and minors.

**PROGRAMS**

### Music Core for All Music Major Programs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS101</td>
<td>Music Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>MUS103</td>
<td>Introduction to Music Literature</td>
<td>2</td>
</tr>
<tr>
<td>MUS104</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS195</td>
<td>Music Hour</td>
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<tr>
<td>MUS202</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS203</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS312</td>
<td>Music History and Literature I</td>
<td>3</td>
</tr>
<tr>
<td>MUS313</td>
<td>Music History and Literature II</td>
<td>3</td>
</tr>
<tr>
<td>MUS322</td>
<td>Instrumental Literature and Conducting</td>
<td>3</td>
</tr>
<tr>
<td>MUS323</td>
<td>Instrumentation</td>
<td>2</td>
</tr>
<tr>
<td>MUS324</td>
<td>Choral Literature and Conducting</td>
<td>3</td>
</tr>
<tr>
<td>Performance Organizations</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Private Lessons</td>
<td>6</td>
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</tr>
</tbody>
</table>

**TOTAL** 38
### Major in Music Education K–12 (B.Mus.Ed.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS305G*</td>
<td>Music in World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>MUS495</td>
<td>Half Senior Recital</td>
<td>0</td>
</tr>
<tr>
<td>EDU200</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU203</td>
<td>School Health and Drugs</td>
<td>2</td>
</tr>
<tr>
<td>EDU220</td>
<td>Introduction to Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU240</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU241</td>
<td>Educational Psychology Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU317GZ*</td>
<td>Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDU320</td>
<td>Pedagogy of the Young Adolescent Learner</td>
<td>2</td>
</tr>
<tr>
<td>EDU432</td>
<td>Methods in Teaching Elementary Music</td>
<td>3</td>
</tr>
<tr>
<td>EDU433</td>
<td>Methods in Teaching Secondary Music</td>
<td>3</td>
</tr>
<tr>
<td>EDU434</td>
<td>Middle Level Education Practicum in Music</td>
<td>1</td>
</tr>
<tr>
<td>EDU490</td>
<td>Student Teaching Block</td>
<td>15</td>
</tr>
</tbody>
</table>

Choose one of the following emphases: 4 or 6

- **Instrumental K–12**
  - MUS358  Brass Pedagogy
  - MUS359  Percussion Pedagogy
  - MUS362  Woodwind Pedagogy

Additional requirements:
1. Must be in Wind Symphony or University Orchestra for a minimum of four years.
2. Must major on a band or orchestral instrument.
3. Must fulfill recital and concert attendance requirement.
4. Must pass the piano proficiency.
5. Must pass the guitar proficiency.

- **Vocal K–12**
  - MUS363  Vocal Pedagogy
  - MUS364  Diction for Singers I
  - MUS365  Diction for Singers II

Additional requirements:
1. Must be in a choral organization for a minimum of four years.
2. Must major in voice. (Keyboard majors must achieve the department’s stated vocal proficiency in lieu of majoring in voice.)
3. Must fulfill recital and concert attendance requirement.
4. Must pass the piano proficiency.
5. Must pass the guitar proficiency.

---

General Education................................................................. 51-52

**TOTAL** 136-137

---* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 131-132 credits.

* Instrumental K–12 majors take 5 credits of performance organizations and 5 credits of private lessons, resulting in 36 credits in the Music Core. Vocal K–12 majors take 38 credits in the Music Core.

* Instrumental K–12 majors take 6 credits and vocal K–12 majors take 4 credits.

Students must earn a grade of C or better in each content area and education course (MUS, EDU) in the major. Courses with grades of C- or lower must be repeated.
## Major in Applied Performance (B.Mus.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Core</td>
<td></td>
<td>38</td>
</tr>
<tr>
<td>MUS301</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS395</td>
<td>Junior Recital</td>
<td>0</td>
</tr>
<tr>
<td>MUS496</td>
<td>Full Senior Recital</td>
<td>0</td>
</tr>
</tbody>
</table>

Choose one of the following emphases: .................................................................10

- **Vocal Performance**
  - Private Lessons (in addition to Music Core)
    - MUS326 Vocal Literature
    - MUS363 Vocal Pedagogy
    - MUS364 Diction for Singers I
    - MUS365 Diction for Singers II

- **Keyboard/Instrumental Performance**
  - Private Lessons (in addition to Music Core)
  - Choose one to which your major instrument is related:
    - MUS358 Brass Pedagogy
    - MUS359 Percussion Pedagogy
    - MUS360 String Pedagogy
    - MUS362 Woodwind Pedagogy

- **Composition**
  - MUL300 Applied Composition
  - Choose two from:
    - MUS358 Brass Pedagogy
    - MUS359 Percussion Pedagogy
    - MUS360 String Pedagogy
    - MUS362 Woodwind Pedagogy
    - MUS363 Vocal Pedagogy
  - PHI310 Aesthetics .......................................................................................3

  54

  51-52

  16-17

  TOTAL 122

### Additional Requirements:
1. Must be in a performance organization for a minimum of four years.
2. Must fulfill recital and concert attendance requirement.
3. Must pass the piano proficiency.

*Keyboard majors may petition to do a directed study in Keyboard Pedagogy.*
### Major in Sacred Music (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Core</td>
<td></td>
<td>38</td>
</tr>
<tr>
<td>MUS230</td>
<td>Music and Worship</td>
<td>3</td>
</tr>
<tr>
<td>MUS331</td>
<td>Song of the Church</td>
<td>3</td>
</tr>
<tr>
<td>MUS495</td>
<td>Half Senior Recital</td>
<td>0</td>
</tr>
<tr>
<td>PHI310</td>
<td>Aesthetics</td>
<td>3</td>
</tr>
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Total: 47

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td>General Education</td>
<td>51-52</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>23-24</td>
</tr>
</tbody>
</table>

Total: 122

Sacred music majors with a keyboard emphasis are encouraged to study organ.

Additional Requirements:
1. Must be in a performance organization for a minimum of four years.
2. Must fulfill recital and concert attendance requirement.
3. Must pass the piano proficiency.

### Major in Music (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS495</td>
<td>Half Senior Recital</td>
<td>0</td>
</tr>
<tr>
<td>PHI310</td>
<td>Aesthetics</td>
<td>3</td>
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</table>

Total: 41

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education</td>
<td>51-52</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>29-30</td>
</tr>
</tbody>
</table>

Total: 122

Additional Requirements:
1. Must be in a performance organization for a minimum of four years.
2. Must fulfill recital and concert attendance requirement.
3. Must pass the piano proficiency.

### Minor in Music

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS101</td>
<td>Music Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>MUS103</td>
<td>Introduction to Music Literature</td>
<td>2</td>
</tr>
<tr>
<td>MUS104</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS202</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS312</td>
<td>Music History and Literature I</td>
<td>3</td>
</tr>
<tr>
<td>MUS313</td>
<td>Music History and Literature II</td>
<td>3</td>
</tr>
<tr>
<td>MUS324</td>
<td>Choral Literature and Conducting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Performance Organizations a</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Private Lessons</td>
<td>2</td>
</tr>
</tbody>
</table>

Total: 22

Additional Requirements:
1. Must fulfill recital and concert attendance requirement.

*a Must be in a performance organization for a minimum of two years.
## Minor in Sacred Music

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS101</td>
<td>Music Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>MUS103</td>
<td>Introduction to Music Literature</td>
<td>2</td>
</tr>
<tr>
<td>MUS230</td>
<td>Music and Worship</td>
<td>3</td>
</tr>
<tr>
<td>MUS331</td>
<td>Song of the Church</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Performance Organizations</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Private Lessons *</td>
<td>4</td>
</tr>
<tr>
<td>PHI310</td>
<td>Aesthetics</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** 20

* Must be taken over four semesters.

In addition to the usual music vocations, students can prepare for the following careers by combining the bachelor of arts major in music with prescribed minors in business or psychology. (Consult with the Department of Music for specific courses.)

**Music Business**  
(sales, marketing, commercial composition, recording industry, arts management)

**Music Therapy**  
(use of music in therapy with the handicapped, disabled, and others in need of human services)
The four natural sciences courses are required for all elementary education majors to meet the content licensure standards for Minnesota. The courses are each seven weeks in length and include both classroom and laboratory experiences. The courses are inquiry-based and distinct from typical college science courses; the laboratory experiences are designed to build a conceptual understanding necessary for teaching science in the elementary classroom. All substitutions for these courses must be approved by the natural sciences coordinator.

**COURSES**

**NAS101D • Science Concepts—Life Science**
(\textit{fall, spring}) 2 credits
Study of fundamental concepts and processes of life science. Emphasis on the means by which science knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education. Prerequisite: Major in elementary education.

**NAS102D • Science Concepts—Earth/Space Science**
(\textit{fall, spring}) 2 credits
Study of fundamental concepts and processes of earth/space science. Emphasis on the means by which science knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education. Prerequisite: Major in elementary education.

**NAS103D • Science Concepts—Chemistry**
(\textit{fall, spring}) 2 credits
Study of fundamental concepts and processes of chemistry. Emphasis on the means by which science knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education. Prerequisite: Major in elementary education.

**NAS104D • Science Concepts—Physics**
(\textit{fall, spring}) 2 credits
Study of fundamental concepts and processes of physics. Emphasis on the means by which science knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education. Prerequisite: Major in elementary education.
NURSING

The pre-licensure nursing program offers a four-year sequence leading to the bachelor of science degree. Students are prepared to practice in entry-level professional nursing positions in all types of healthcare agencies. Graduates of the program are eligible to apply to take the NCLEX® licensure examination (for registered nurses). The goals of the nursing department are:

1. To prepare nurses with skills in critical thinking, with the ability to function in both structured and unstructured professional nursing positions, and with the background necessary for advanced education.
2. To prepare students for lifelong learning with a theoretical foundation based on Judeo-Christian principles and the liberal arts and sciences.
3. To express within the nursing profession Christian values through excellence in professional practice, scholarly endeavors, and community service.

Students may enter the program in the prenursing sequence of courses or as transfer students on a space-available basis.

The degree completion program is open to registered nurses (RNs) through an accelerated evening option through the College of Adult & Professional Studies. A master of arts in nursing is also offered through the Graduate School.

The baccalaureate program is approved by the Minnesota Board of Nursing and accredited by the Commission on Collegiate Nursing Education (One Dupont Circle NW, Suite 530, Washington, D.C. 20036-1120; phone: 202.463.6930).

PARTICIPATION REQUIREMENTS

The following are minimum threshold requirements to be considered for admission into the nursing program. Space is limited, however, and not all qualified applicants are guaranteed admission.

1. Achieve a cumulative GPA of at least 2.5;
2. Achieve a cumulative GPA of at least 2.5 in the required prerequisite science courses;
3. Demonstrate competency in oral and written communication;
4. Demonstrate a level of personal health consistent with safe nursing practice as determined in a physical examination;
5. Give evidence of personality, character, and emotional stability consistent with the mission of the nursing department and the role and responsibility of the professional nurse;
6. Be recommended for admission into the nursing program by two persons outside the Department of Nursing;
7. Have completed the required prerequisite courses for, and have sophomore standing; and
8. Provide documentation of successful completion of a Certified Nursing Assistant/Nursing Assistant Registered Program prior to beginning the nursing program.

Application materials and procedures are available from the admissions office for students interested in the traditional baccalaureate nursing program. RN applicants may contact the College of Adult & Professional Studies.

Courses in the nursing program require students to spend substantial time in off-campus clinical settings, such as hospitals, clinics, and public health agencies. Students must furnish their own transportation to and from these clinical sites, some of which may not be conveniently reached by public transportation.

In addition, students should be aware that Minnesota state law requires that healthcare facilities complete background checks on all employees (and students). If an employee (or student) has been convicted of certain crimes, he/she may not be allowed to work in such facilities. All prospective students need to be aware of this law because a student convicted of these crimes may be unable to complete the clinical requirements of the nursing program and, consequently, may not be able to graduate from the program. Any questions should be addressed to: Minnesota Department of Human Services, Division of Licensing, Background Study Unit, 444 Lafayette Road, St. Paul, MN 55155–3842.
Students are required to provide evidence of current health insurance as a condition of beginning the program. Information about health insurance is available through the Office of Student Life. Malpractice insurance is also required (see the financial section of this catalog).

**Program Performance Requirements**

Nursing is a practice discipline and the baccalaureate nursing education prepares nurse generalists. All nursing students must demonstrate a wide variety of cognitive, interpersonal, and motor skills. A list of core program performance standards is available from the Nursing Department. The university will provide reasonable accommodations to eligible students who can demonstrate need based on a qualifying disability in accordance with the applicable law. Students seeking reasonable accommodations must request them in a timely manner in order to avoid scheduling delays. A minimum of 30 days advance notice prior to the start of a semester is required because of the complex nature of clinical and laboratory courses. Consultation related to reasonable accommodations is available through the Office of Disability Services.

**Progression**

To progress in the program, the student must meet the Bethel University requirements for academic progress. In addition, a student must:

1. Earn a grade of C or better in each nursing course. This indicates satisfactory achievement of objectives and completion of course requirements;
2. Maintain a major GPA of at least 2.25;
3. Function in a safe and ethical manner;
4. Successfully complete each prerequisite nursing course before progressing to the next sequential course;
5. Complete at least half of the credits designated as Nursing (NUR) in residence at Bethel;
6. Successfully complete NUR300 Theoretical Foundations of Nursing, and NUR498, NUR499 Dimensions of Professional Nursing Practice I and II in residence at Bethel University; and
7. Inform Health Services of any changes in his/her health status that would affect performance as a nursing student.

**Transfer and/or Advanced Standing**

Transfer students must have their transcripts evaluated by the Registrar and the Nursing Department to determine the nursing curriculum that is applicable. See Bethel University Catalog 2008-2009 for alternative curriculum.

Students who can successfully complete prerequisite courses and meet the "Participation Requirements" for admission to the nursing program by the end of 2009-2010 can be considered for admission to the nursing program using the nursing curriculum outlined in the Bethel University Catalog 2008-2009.

**COURSES**

**NUR201 • Foundations of Health Ministry** *(fall, spring beginning fall 2010)* 3 credits

Exploration of personal ability, call, commitment, and vision for health ministry with consideration of strengths and weaknesses of the current healthcare delivery system from social justice, biblical, and historical viewpoints. Examination of the impact of lifestyle and culture on health status of the individual and family that includes physical, psychosocial, and spiritual perspectives. Emphasis on effective communication strategies and the health promotion framework. Prerequisites: Major in nursing; sophomore standing.

**NUR202 • Health Assessment** *(spring, beginning 2011)* 2 credits

Introduction to assessment of the physical, cultural, psychosocial, and spiritual parameters in individuals and family health within the context of the nursing process. Prerequisite: NUR201 (may be taken concurrently); Acceptance into the nursing program.
### NUR300 • Theoretical Foundations of Nursing  
**Fall 2009, 2010** | 3 credits  
An examination of the scope of nursing practice. Consideration of major concepts basic to nursing from various perspectives (biblical, philosophical, theoretical, and scientific). Must be taken concurrently with NUR301 and NUR303. Prerequisite: Acceptance into the nursing program.

### NUR301 • Physiological Foundations of Nursing Practice  
**Fall 2009, 2010** | 3 credits  
A focus on the nursing process in relation to pathophysiology, nutrition, and pharmacology. Common challenges to health and integrative mechanisms that promote adaptation in the client. Must be taken concurrently with NUR300 and NUR303. Prerequisite: Acceptance into the nursing program.

### NUR303 • Foundations of Nursing Practice  
**Fall 2009, 2010** | 3 credits  
An emphasis on the nursing process, assessment of challenges to health, and nursing interventions that promote adaptation. The clinical laboratory includes both on-campus and off-campus settings and incorporates experience in the community and in the hospital. Must be taken concurrently with NUR300 and NUR301. Prerequisite: Acceptance into the nursing program.

### NUR304 • Physiological Aspects of Nursing Care with Adults I  
**Spring 2010, 2011** | 4 credits  
An examination of moderate physiological challenges to health experienced by the adult client. Internal and external integrative mechanisms and manifestations of adaptive responses. Pharmacological and nutritional interventions that promote adaptation. Must be taken concurrently with NUR306. Prerequisites: NUR300; NUR301; NUR303.

### NUR306 • Physiological Aspects of Nursing Care with Adults II  
**Spring 2010, 2011** | 4 credits  
A focus on the application of the nursing process to promote adaptation of adults with moderate physiological challenges to health. The setting is primarily an acute-care hospital with some on-campus laboratory experiences. Must be taken concurrently with NUR304. Prerequisites: NUR300; NUR301; NUR303.

### NUR308 • Psychosocial and Spiritual Aspects of Nursing Care with Adults  
**Spring 2010, 2011** | 4 credits  
An emphasis on the theories and skills necessary to use both interpersonal processes and the nursing process to assist young and middle-aged adults to adapt to psychosocial and spiritual challenges. Prerequisites: NUR300; NUR301; NUR303.

### NUR311 • Nursing Skills I  
**Fall, beginning 2011** | 1 credit  
Development of beginning nursing skills related to caring for clients of various health/illness states across the lifespan. Emphasis on the nursing process, medication administration, communication, and evidenced-based skills linked with theoretical content in concurrent courses. Must be taken concurrently with NUR313, NUR315, and NUR317. Prerequisites: NUR201; NUR202.

### NUR312 • Nursing Skills II  
**Spring, beginning 2012** | 1 credit  
Development of beginning nursing skills related to caring for clients of various health/illness states across the lifespan. Emphasis on the intravenous medication administration and evidence-based skills linked with theoretical content in concurrent nursing course. Must be taken concurrently with NUR314, NUR316, and NUR318. Prerequisites: NUR311; NUR313; NUR315; NUR317.

### NUR313 • Nursing Care of Individuals I  
**Fall, beginning 2011** | 3 credits  
Analysis of nursing care relating to individuals throughout the lifespan experiencing selected acute health issues. Students use evidence, including clinical knowledge, as a framework for developing nursing diagnoses, interventions, and expected outcomes. Must be taken concurrently with NUR311, NUR315, and NUR317. Prerequisites: NUR201 and NUR202.
NUR314 • Nursing Care of Individuals II  
(spring, beginning 2012) 3 credits  
Analysis of nursing care relating to individuals throughout the lifespan experiencing selected acute health issues. Students use evidence, including clinical knowledge, as a framework for developing nursing diagnoses, interventions, and expected outcomes. Must be taken concurrently with NUR312, NUR316, and NUR318. Prerequisites: NUR311; NUR313; NUR315; NUR317.

NUR315 • Nursing Practicum I  
(fall, beginning 2011) 4 credits  
Implement the nursing process in community and acute care settings fulfilling nursing roles with a focus on critical thinking, evidence-based practice, and care of individuals and families in various health/illness states throughout the lifespan. Must be taken concurrently with NUR314, NUR316, and NUR318. Prerequisites: NUR311; NUR313; NUR315; NUR317.

NUR316 • Nursing Practicum II  
(spring, beginning 2012) 4 credits  
Implement the nursing process in community and acute care settings fulfilling nursing roles with a focus on critical thinking, evidence-based practice, and care of individuals and families in various health/illness states throughout the lifespan. Must be taken concurrently with NUR312, NUR314, and NUR318. Prerequisites: NUR311; NUR313; NUR315; NUR317.

NUR317 • Lifespan Family Health Issues  
(fall, beginning 2011) 2 credits  
Overview of family health issues throughout the family life cycle with an emphasis on health promotion. Must be taken concurrently with NUR311, NUR313, and NUR315. Prerequisites: NUR201 and NUR202.

NUR318 • Chronicity: Mental Health Focus  
(spring, beginning 2012) 2 credit  
Overview of chronic health issues throughout the lifespan in the context of families and communities with an emphasis on mental health issues. Must be taken concurrently with NUR312, NUR314 and NUR316. Prerequisites: NUR311; NUR313; NUR315; NUR317.

NUR345 • The Church as a Healing Community  
(interim) 1 credit  
Focus is on the theological and scriptural foundations of church health ministries. Topics include faith/health integration, the healing ministry of Jesus, varied health ministries of the church, and the nature of healing Christian communities. Prerequisite: Bible or theology course or consent of instructor.

NUR346 • Parish Nursing: Exploration of a Concept  
(spring) 1 credit  
Skills and knowledge specific to parish nursing are explored. Topics include roles of the parish nurse, aggregate clients, ethical/legal aspects of the role, professional standards, and personal spiritual growth. Prerequisites: NUR345; upper-division nursing major.

NUR401 • Nursing Care with Childbearing and Childrearing Families  
(fall 2009, 2010, 2011) 4 credits  
A focus on the use of the nursing process to assist the client/family to adapt to actual or potential challenges to health, including challenges to antepartal, intrapartal, and postpartal phases of childbearing women and challenges to health and illness in children and their families. Prerequisites: NUR304; NUR306; NUR308.

NUR403 • Community Health Nursing  
Theory and Practice  
(fall 2009, 2010, 2011) 4 credits  
A focus on the community as client. Students function in various roles and settings as they develop skills to facilitate adaptation of communities, groups, and families to challenges to health. Theory and practice emphasize prevention of illness and promotion and restoration of health. Prerequisites: NUR304; NUR306; NUR308.

NUR405 • Nursing Care with Elderly Adults  
(fall 2009, 2010, 2011) 4 credits  
An emphasis on the knowledge base necessary for nursing practice with elderly adults experiencing serious or potential challenges to health. Promotion of the adaptation of elderly clients with age-related physical and psychosocial health needs. Nursing interventions aimed at preventing illness while promoting and restoring health. Prerequisites: NUR304; NUR306; NUR308.
NUR410GZ • Cultural Diversity in Healthcare  *(interim 2010, 2011, 2012)*  3 credits
Application of a model of cultural assessment to compare various ethnic groups. Model serves as a means of considering implications for providing culturally specific healthcare to individuals and groups. Includes off-campus clinical experience. Prerequisites: NUR401; NUR403; NUR405; GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245, GES246; World Cultures (U) course.

NUR411Z • Nursing Skills III  *(fall, beginning 2012)*  1 credit
Practice and develop competency in complex clinical situations, which includes integrating and evaluating technology and assessment tools in planning population-based approaches to nursing care. Must be taken concurrently with NUR415Z and NUR425Z. Prerequisites: NUR312; NUR314; NUR316; NUR318.

NUR412 • Nursing Skills IV  *(spring, beginning 2013)*  1 credit
Practice and develop competency in complex clinical situations. Includes consideration of the scope of nursing practice in the integration of technology skills, resource allocation, interdisciplinary collaboration, and delegation and supervision of nursing personnel. Must be taken concurrently with NUR416 and NUR426. Prerequisites: NUR411Z; NUR415Z; NUR425Z.

NUR415Z • Nursing Practicum III  *(fall, beginning 2012)*  4 credits
Evidence-based practice, analysis of societal issues, and an understanding of cross-cultural relationships to improve nursing care. Emphasizes concept of client as both populations and individuals. Synthesis of baccalaureate nursing roles in the care of clients in acute and community healthcare settings with an emphasis on culturally diverse clients. Must be taken concurrently with NUR411Z and NUR425Z. Prerequisites: NUR312; NUR314; NUR316; NUR318.

NUR416 • Nursing Practicum IV  *(spring, beginning 2013)*  4 credits
Synthesis of baccalaureate nursing role. Critical thinking, data and technology, evidence-based findings, and principles of leadership to manage complex patient problems and improve client health outcomes. Must be taken concurrently with NUR412 and NUR426. Prerequisites: NUR411Z; NUR415Z; NUR425Z.

NUR425Z • Population-Focused Nursing Care  *(fall, beginning 2012)*  5 credits
Exploration of population-focused nursing care with an emphasis on culturally diverse and underserved populations. Includes consideration of the research process and cultural perspectives. Focuses on the advocacy and collaborator roles within the context of service-learning. (1 credit service-learning) Must be taken concurrently with NUR411Z and NUR415Z. Prerequisites: NUR312; NUR314; NUR316; NUR318.

NUR426 • Leadership Development  *(spring, beginning 2013)*  4 credits
Application of the leadership role in preparation to enter the professional nursing workforce. Integration of critical thinking skills and leadership, management, professional ethics, and Christian worldview frameworks. Must be taken concurrently with NUR412 and NUR416. Prerequisites: NUR411Z; NUR415Z; NUR425Z.

NUR430 • Promoting Quality Care at the End of Life  *(occasionally)*  1 credit
Exploration of strategies for improving quality of care at the end of life: care during the last hours of life, effective communication, ethical issues, and improving end-of-life care in health systems. Based on curriculum developed by the End-of-Life Nursing Education Consortium (ELNEC). Prerequisite: PHI110N or permission of the instructor.

NUR498 • Dimensions of Professional Nursing Practice I  *(spring)*  4 credits
An opportunity to synthesize and generalize nursing concepts and theories. Nursing research, leadership and management theories, and professional role development are emphasized. Current nursing issues are discussed. Must be taken concurrently with NUR499. Prerequisites: NUR401; NUR403; NUR405.
NUR499 • Dimensions of Professional Nursing Practice II *(spring)* 4 credits
A study of the roles and theories relating to nursing care, leadership, and professionalism are examined in the clinical setting to assist the student with development of a personal philosophy of nursing. Students work with clients with complex challenges to adaptation in a variety of healthcare settings. Must be taken concurrently with NUR498. Prerequisites: NUR401; NUR403; NUR405.

**PROGRAMS**

**Major in Nursing (B.S.)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR201</td>
<td>Foundations of Health Ministry</td>
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<tr>
<td>NUR202</td>
<td>Health Assessment</td>
<td>2</td>
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<tr>
<td>NUR311</td>
<td>Nursing Skills I</td>
<td>1</td>
</tr>
<tr>
<td>NUR312</td>
<td>Nursing Skills II</td>
<td>1</td>
</tr>
<tr>
<td>NUR313</td>
<td>Nursing Care of Individuals I</td>
<td>3</td>
</tr>
<tr>
<td>NUR314</td>
<td>Nursing Care of Individuals II</td>
<td>3</td>
</tr>
<tr>
<td>NUR315</td>
<td>Nursing Practicum I</td>
<td>4</td>
</tr>
<tr>
<td>NUR316</td>
<td>Nursing Practicum II</td>
<td>4</td>
</tr>
<tr>
<td>NUR317</td>
<td>Lifespan Family Health Issues</td>
<td>2</td>
</tr>
<tr>
<td>NUR318</td>
<td>Chronicity: Mental Health Focus</td>
<td>2</td>
</tr>
<tr>
<td>NUR411Z*</td>
<td>Nursing Skills III</td>
<td>1</td>
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<tr>
<td>NUR412</td>
<td>Nursing Skills IV</td>
<td>1</td>
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<td>NUR415Z*</td>
<td>Nursing Practicum III</td>
<td>4</td>
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<td>NUR416</td>
<td>Nursing Practicum IV</td>
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<td>NUR425Z</td>
<td>Population-Focused Nursing Care</td>
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<td>NUR426</td>
<td>Leadership Development</td>
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**Prerequisite courses:**

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<td>BIO202</td>
<td>Human Physiology</td>
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<tr>
<td>BIO207</td>
<td>Microbiology</td>
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<td>BIO220</td>
<td>Pathophysiology and Pharmacology</td>
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<tr>
<td>CHE103D*</td>
<td>Introduction to General and Organic Chemistry</td>
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<td>CHE104</td>
<td>Introduction to Biochemistry and Nutrition</td>
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<td>PSY100</td>
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<td>PSY203</td>
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</table>

General Education ....................................................................................................................... 51-52

TOTAL 125-126 **

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 123 credits, including 4 credits of electives.

A course in ethical decision making must be included within the total program. Courses approved to meet this requirement include: PHI110N Contemporary Moral Issues, HPE390K Decision Making and Medical Technology, and GES420P Bioethics.

It is highly recommended that nursing students fulfill the General Education mathematics requirement by taking a statistics course, preferably PSY230M Introduction to Statistical Methods and Experimental Design.
Philosophy is devoted to providing a learning environment in which students broaden their perspectives, stretch their thinking, and learn to reason and communicate in a critical, clear, and consistent manner. Major areas of philosophical inquiry are explored with reference to both historical and contemporary thought. Together, students and faculty pursue answers to the perennial questions involved in the common search for meaning, truth, and values. Through dialogue, disciplined thinking and writing, and mutual concern and respect, an attempt is made to articulate God's truth as it relates to these basic questions. Emphasis is placed on the integration of philosophy with other disciplines and the development of Christian perspectives.

A minor in philosophy is of special value for most disciplines in that it provides a framework for the integration of study and learning, as well as an emphasis on the basic tools of language and reasoning. Students with a major in philosophy often seek further study in theology, law, biblical studies, and history, in addition to graduate work in philosophy. Philosophy provides an excellent background for careers in the business world, government service, the legal profession, medicine and related health fields, as well as in teaching or ministry. Not only does philosophy enhance professional credentials, it also aids students in becoming liberally educated people with a variety of interests to pursue throughout the rest of their lives.

### COURSES

**PHI105N • The Philosophic Quest**  
*(fall, interim, spring)* 3 credits  
Who am I? What can I know? What should I do? What is a just society? These and other questions are the focus of reflective consideration on writings in the philosophical traditions, including thinkers such as Socrates, Plato, Descartes, Kant, and Kierkegaard.

**PHI110N • Contemporary Moral Issues**  
*(fall, interim, spring)* 3 credits  

**PHI120N • Philosophy through Film**  
*(spring, even # years)* 3 credits  
Viewing and discussion of films that raise intriguing philosophical issues combined with reading classical texts in philosophy, in order to develop reflective, reasoned responses to some of life’s basic questions.

**PHI210L • The Modern Mind**  
*(fall, spring)* 3 credits  
Themes and movements that have shaped European and American culture in the last 200 years, drawing on significant works in philosophy, literature, and art. Reflection on the personal and cultural meanings of living in the modern age. Prerequisite: GES130 or GES145, 146.

**PHI215L • Film and the Modern Sensibility**  
*(occasionally spring)* 3 credits  
An exploration of film as an art form and as an expression of the meanings of “modernism.” Why film is a uniquely modern art form is addressed, as well as those themes that identify the “modern sensibility.” Films such as *Citizen Kane, Rashomon, Do the Right Thing, Beloved, Tender Mercies, Apocalypse Now,* and others are viewed and analyzed. Prerequisite: GES130 or GES145, 146.

**PHI220L • Philosophies of Race and Gender in America**  
*(interim, spring)* 3 credits  
Investigates the impact of theories of race and gender on life and thought in contemporary America. Analyzes the philosophical concepts and arguments underlying the historical development of these theories. Critically evaluates the philosophical commitments inherent in the moral and religious language used in discussions of race and gender in America. Prerequisite: GES130 or GES145, 146.
PHI225M • Introduction to Logic  (spring) 4 credits
A study of standard forms of deductive and inductive logical reasoning, critical thinking, and informal fallacies. Covers rules for evaluating arguments and acquaints students with ways to distinguish good arguments from bad ones, with the goal of problem solving and making reasonable decisions about beliefs and actions.

PHI230U • Medieval Islamic Philosophy  (spring) 3 credits
Most Westerners would be surprised to learn that from 800-1200 Arabic civilization was the world’s center of intellectual, cultural, and economic developments. A study of the philosophical and theological thought developed in the Arabic world during the medieval period, and its influence on later intellectual traditions, including the Western Christian tradition. Prerequisites: GES130 or GES145, 146.

PHI251 • History of Philosophy I  (fall, spring) 4 credits
Development of Western philosophy from its origin with the ancient Greeks to the time of the Renaissance, emphasizing the works of Plato, Aristotle, Augustine, and Thomas Aquinas. Prerequisite: One philosophy course.

PHI252 • History of Philosophy II  (spring) 4 credits
Philosophical traditions beginning with the rise of modern science including the Continental rationalists, British empiricists, Kant, and Hegel, and tracing 19th century reactions to idealism and subsequent developments in Continental and Anglo-American philosophy in the 20th century. Prerequisite: One philosophy course.

PHI301 • Symbolic Logic  (fall, even # yrs) 4 credits
A study of symbolic logic including standard translations from arguments in natural language, methods of quantification and formal proofs of validity, and an introduction to modal logic. Focus on the application of symbolic logic to philosophical arguments. Prerequisite: PHI225M or MAT241.

PHI302 • Philosophy and Film  (occasionally spring) 4 credits
What can philosophy contribute to the critical discussion of film? How does film present philosophical arguments? Why is film a unique art form? Are the worlds of film real? In what ways do films have meaning? Questions such as these are considered in the context of classic and contemporary films, as well as recent philosophical discussions of film. Prerequisites: FLM200 and one philosophy course, or consent of the instructor.

PHI305G • Philosophy of Religion  (fall, spring) 3 credits
Systems such as fideism, rationalism, analytic philosophy, and existentialism as they relate to philosophy of religion, as well as issues such as religious belief, religious language, arguments for God’s existence, and immortality. Judeo-Christian concept of God, and Buddhist and Christian understandings of evil. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

PHI310 • Aesthetics  (fall) 3 credits
Problems and perspectives concerning the nature of art and aesthetic experience. Questions such as What is art?, What is good art?, and What good is art? in the context of the visual arts, music, literature, and film. The relationships between aesthetic, moral, and religious values are explored. Prerequisite: GES125.

PHI315 • Kierkegaard and Existentialism  (spring, odd # yrs) 4 credits
The meanings and influence of the works of Sören Kierkegaard, 19th century Danish philosopher. Topics may include Kierkegaard’s philosophical style, his views on the nature of the self and authentic existence, freedom and despair, religious faith, Kierkegaard as social critic, and the elaboration of these themes by other existentialists. Readings from Kierkegaard’s works and those of later existentialists. Prerequisite: One philosophy course.
PHI320 • Ethics: Theory and Practice  
(spring) 4 credits  
Principal ethical theories and their application to problems concerning the individual and society. Readings in classical and contemporary sources focus on questions such as the meaning and justification of moral judgments, ethical relativism, and the nature of moral reasoning. Prerequisite: One philosophy course.

PHI323 • Social and Political Philosophy  
(fall, even # years) 4 credits  
A study and analysis of various theories of human interaction and association. Questions such as: What are the differences among a community, a society, and a state? What is the role of the individual in each of these associations? What makes a social organization just? Prerequisite: One philosophy course.

PHI330 • Great Philosophers  
(fall or spring) 4 credits  
An in-depth study of the life and thought of one or more significant philosophers. Prerequisite: One philosophy course.

PHI335K • Environmental Ethics  
(interim) 3 credits  
An examination of the intersection of science, society, and technology as they pertain to issues in environmental ethics. The course moves from theory by considering science, society, and technology philosophically to application by concluding with a major research project on an applied issue in environmental ethics involving scientific data and technological choice. Prerequisites: Laboratory Science (D) Course; Mathematics (M) course. (Carries cross-credit in environmental studies.)

PHI340K • Philosophy of Science  
(spring) 3 credits  
Nature of scientific method and knowledge, with special attention given to current issues in the philosophy of science. Ways in which scientific explanations relate to religious and philosophical explanations. Both natural science and social science applications. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. One philosophy course recommended.

PHI360 • Classics in Western Political Philosophy  
(spring, even # yrs) 4 credits  
Selected political theorists. Such writers as Plato, Aristotle, early Christian writers, Machiavelli, Luther, Calvin, Locke, Marx, and Niebuhr. Concentrates on primary sources. Prerequisites: One course in political science, philosophy, or European history; junior standing. (Carries cross-credit in political science and history.)

PHI375G • Asian Thought  
(occasionally) 3 credits  
Selected Asian philosophical streams drawn from Hinduism, Buddhism, Confucianism, Shintoism, and the contemporary Kyoto school. Readings from religious treatises, philosophical works, and literature, with examples from the arts to encourage an understanding of Eastern worldviews, especially Japan. Persons, ethics, and aesthetics. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

PHI401 • Epistemology and Metaphysics  
(spring) 4 credits  
Topics such as the nature and meaning of knowledge, the foundations and limits of knowledge and belief, the problem of universals, the mind-body relation, and the freedom-determinism debate. Traditional and contemporary perspectives. Prerequisite: Two courses in philosophy.

PHI490 • Topics in Philosophy  
(fall or spring) 4 credits  
Intensive analysis of a philosophical issue or a major philosophical figure to be announced prior to registration. Students may repeat the course for credit provided a different topic or philosopher is studied. Prerequisite: Two courses in philosophy.

PHI499 • Senior Seminar  
(fall) 4 credits  
A capstone course in which students and faculty consider contemporary issues in philosophy as well as the relationship between philosophy and Christian faith. Prerequisite: Philosophy major or minor with senior standing, or consent of the instructor.
## Programs

### Major in Philosophy (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI251</td>
<td>History of Philosophy I</td>
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<tr>
<td>PHI252</td>
<td>History of Philosophy II</td>
<td>4</td>
</tr>
<tr>
<td>PHI320</td>
<td>Ethics: Theory and Practice</td>
<td>4</td>
</tr>
<tr>
<td>PHI401</td>
<td>Epistemology and Metaphysics</td>
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</tr>
<tr>
<td>PHI499</td>
<td>Senior Seminar</td>
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</table>

Electives from philosophy courses, of which at least six credits must be from 300 level or above............................10

General Education............................................................................................51-52
Electives...........................................................................................................40-41

**TOTAL** 122

### Minor in Philosophy

Choose from:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>PHI105N</td>
<td>The Philosophic Quest</td>
<td>3-4</td>
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<tr>
<td>PHI110N</td>
<td>Contemporary Moral Issues</td>
<td></td>
</tr>
<tr>
<td>PHI210L</td>
<td>The Modern Mind</td>
<td></td>
</tr>
<tr>
<td>PHI220L</td>
<td>Philosophies of Race and Gender in America</td>
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</tr>
<tr>
<td>PHI225M</td>
<td>Introduction to Logic</td>
<td></td>
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<tr>
<td>PHI251</td>
<td>History of Philosophy I</td>
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</tr>
<tr>
<td>PHI252</td>
<td>History of Philosophy II</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives from 200-level or above philosophy courses, of which three credits must be 300 level or above ...........................................7

**TOTAL** 18-19

* A student may also choose to use this course to meet a General Education requirement.

## Physical Education

(See Department of Health and Physical Education.)
The Department of Physics seeks to prepare students in a liberal arts setting for careers in physics, engineering, and related fields. Students oriented toward engineering careers are encouraged to consider the dual-degree program in engineering and liberal arts (listed in the Engineering section of this catalog), the applied physics major, and the major in physics followed by a graduate program in engineering. The department is also committed to making physics a significant component of the liberal arts experience for other Bethel students.

**COURSES**

**PHY100D • Concepts in Physics**  
(spring) 4 credits  
Physical perspective of the universe designed for liberal arts students. Topics from mechanics, wave motion (including sound and light), and atomic and nuclear physics. Lecture demonstrations and laboratories stress a clear understanding of observed phenomena. Includes 2 lab hrs.

**PHY110D • Introduction to Astronomy**  
(fall) 4 credits  
For nonscience students; the concepts, techniques, and tools of astronomy and astrophysics. Includes historical overview; identification of constellations; telescopes; the nature of light, atomic spectra, and structure; the nuclear physics of stars; the life cycle of stars; and current theories of the fate of the universe. Laboratory includes optics, atomic spectra, and observations with simple instruments and telescopes. Includes 2 lab hrs.

**PHY200D • Introductory Physics I**  
(fall) 4 credits  
Mechanics, thermal properties of matter, and mechanical waves, including laboratory exercises. Includes 2 lab hrs. Prerequisite: MAT110M, MAT122M, or MAT124M. Students may not receive credit for both PHY200D and PHY290D.

**PHY205 • Introductory Physics II**  
(spring) 4 credits  
Electricity and magnetism, sound waves, optical phenomena, and modern physics, including laboratory exercises. Includes 2 lab hrs. Prerequisite: PHY200D. Students may not receive credit for both PHY205 and PHY295.

**PHY290D • General Physics I**  
(fall) 4 credits  
Mechanics, thermal properties of matter, and mechanical waves, including laboratory exercises. Includes 2 lab hrs. Prerequisite: MAT124M (may be taken concurrently). Students may not receive credit for both PHY200D and PHY290D.

**PHY295 • General Physics II**  
(spring) 4 credits  
Electricity, magnetism, sound waves, and optics. Includes 2 lab hrs. Prerequisites: PHY290D; MAT125 (may be taken concurrently). Students may not receive credit for both PHY205 and PHY295.

**PHY300 • Electronics**  
(fall) 4 credits  
Fundamentals of digital and analog electronics intended for scientists and engineers. Extensive laboratory exercises and a choice of projects provide hands-on experience with circuits using transistors, operational amplifiers, logic gates, flip-flops, and other devices. Includes 4 lab hrs. Prerequisites: PHY205 or PHY295; MAT124M.

**PHY310 • Modern Physics**  
(spring) 4 credits  
Relativity, quantum theory, atomic structure, nuclear structure, and elementary particles. Atomic and nuclear laboratory experiments. Includes 3 lab hrs. Prerequisites: PHY205 or PHY295; MAT125.
PHY320 • Mathematical Methods in Physics and Engineering  (fall) 4 credits
Development of skill in mathematical techniques useful in the solution of physics and engineering problems. Included are vector analysis, line and surface integrals, Fourier analysis, partial differential equations, and linear algebra topics such as basis, dimension, matrices, eigenvalues/eigenvectors. Prerequisite: MAT223.

PHY330 • Optics  (spring, even # yrs) 4 credits
Principles of geometrical and physical optics including a laboratory that emphasizes physical optics measurements, laser technology, and holography. Includes 3 lab hrs. Prerequisites: PHY310; MAT223.

PHY340 • Mechanics  (fall) 4 credits
Particle dynamics, conservative motion, central forces, accelerated coordinate systems, and Lagrange’s equations of motion. Prerequisites: PHY205 or PHY295; MAT223.

PHY350 • Computer Methods in Physics and Engineering  (spring) 4 credits
Application of the computer to solving applied problems of interest to physicists and engineers. Computer techniques are developed for numerical methods, simulation models, and data acquisition and control in the laboratory. Prerequisites: MAT223 and PHY295 or consent of instructor. PHY300 is recommended.

PHY360 • Physics Research Seminar I  (fall) 1 credit
Introduction to research in physics, with special emphasis on utilizing the literature and developing scientific writing skills. Prerequisites: PHY310; junior standing; a major in the physics major.

PHY365 • Physics Research Seminar II  (spring) 1 credit
Continuation of an introduction to research in physics and the development of scientific writing skills. Emphasis placed on preparing for departmental research experiences such as PHY490 and external research experiences such as those found in industry, summer fellowship programs, and graduate schools. Prerequisite: PHY360.

PHY400 • Electricity and Magnetism  (fall, odd # yrs) 4 credits
Electro- and magnetostatics, electric and magnetic fields, and electromagnetic waves. Prerequisites: PHY205 or PHY295; MAT223.

PHY410 • Thermodynamics  (spring, odd # yrs) 4 credits
Laws of thermodynamics, conditions for thermodynamic equilibrium, and fundamentals of statistical mechanics. Prerequisite: MAT223.

PHY420 • Fluid Mechanics  (fall, even # yrs) 4 credits
Laws of statics, kinematics, and dynamics applied to fluid mechanics. Integral and differential conservation laws for mass, momentum, and energy. Dimensional analysis, viscous pipe flow, boundary layers, separated flows, and potential flow. Laboratory exercises and project. Prerequisites: PHY295; MAT223.

PHY430 • Topics in Contemporary Optics  (spring, odd # yrs) 4 credits
Fourier optics, theory of coherence, quantum optics, nonlinear optics, and the physics of lasers. Laboratory exercises and optical demonstrations are included. Includes 3 lab hrs. Prerequisites: PHY310; MAT223 or consent of instructor.

PHY440 • Quantum Mechanics  (spring, even # yrs) 4 credits
Concepts and techniques of quantum mechanics. Prerequisites: PHY310; MAT223.
PHY450 • Topics in Applied Physics (occasionally) 4 credits
Topics selected from various fields of engineering and applied physics for the purpose of illustrating the practical application of physical principles. Emphasis on developing the skills and viewpoints commonly used by engineers and industrial physicists. The field of engineering or applied physics is announced prior to registration. Course may be repeated when a different topic is emphasized. Prerequisites: PHY320 (may be taken concurrently); MAT222.

PHY481 • Internship in Physics (fall, spring) 2 credits
A practical experience in an off-campus professional setting in which the student applies the skills and perspectives of a physicist. Designed by student in consultation with a faculty member. Prerequisites: Major in applied physics; junior or senior standing.

PHY490 • Research (fall, spring) 3 credits
An opportunity for individual student projects under the supervision of the faculty. Prerequisites: Senior standing; PHY365; major in physics; consent of department.

Education Course (see Department of Education)

EDU420 • Methods in Teaching 5–12 Science

PROGRAMS

Major in Physics (B.A.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>PHY290D*</td>
<td>General Physics I</td>
<td>4</td>
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<td>General Physics II</td>
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<td>PHY300</td>
<td>Electronics</td>
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<td>PHY310</td>
<td>Modern Physics</td>
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<tr>
<td>PHY320</td>
<td>Mathematical Methods in Physics and Engineering</td>
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<td>Electives</td>
<td>300- or 400-level physics courses, one of which must be PHY330, PHY430, or PHY490</td>
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<td>MAT124M*</td>
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<td>MAT125</td>
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<td>MAT222</td>
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<tr>
<td>MAT223</td>
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<pre><code>                            |                                                   | 46                    |
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General Education .......................................................... 51-52
Electives .......................................................................... 24-25

TOTAL 122

*A student may also choose to use this course to meet a General Education requirement.
**Major in Physics (B.S.)**

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<th>Course Code</th>
<th>Course Title</th>
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<td>PHY310</td>
<td>Modern Physics</td>
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<td>PHY320</td>
<td>Mathematical Methods in Physics and Engineering</td>
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<td>PHY330</td>
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<td>PHY430</td>
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<td>PHY340</td>
<td>Mechanics</td>
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<td>PHY410</td>
<td>Thermodynamics</td>
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<td>PHY440</td>
<td>Quantum Mechanics</td>
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<td>PHY490</td>
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<td>COS205</td>
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<td>COS344</td>
<td>Numerical Methods</td>
<td>3-4</td>
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<tr>
<td>PHY350</td>
<td>Computer Methods in Physics and Engineering</td>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education</td>
<td>51-52</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>4-6**</td>
</tr>
</tbody>
</table>

**TOTAL 122**

*A student may also choose to use this course to meet a General Education requirement.

**Because of possible double counting between General Education and the major, the total of 122 credits can include up to 14 credits of electives.*
## Major in Applied Physics (B.S.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY290D*</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY295</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY300</td>
<td>Electronics</td>
<td>4</td>
</tr>
<tr>
<td>PHY310</td>
<td>Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHY320</td>
<td>Mathematical Methods in Physics and Engineering</td>
<td>4</td>
</tr>
<tr>
<td>PHY330</td>
<td>Optics</td>
<td>4</td>
</tr>
<tr>
<td>PHY350</td>
<td>Computer Methods in Physics and Engineering</td>
<td>4</td>
</tr>
<tr>
<td>PHY360</td>
<td>Fluid Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHY370</td>
<td>Topics in Contemporary Optics</td>
<td>4</td>
</tr>
<tr>
<td>PHY380</td>
<td>Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHY400</td>
<td>Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>PHY410</td>
<td>Thermodynamics</td>
<td>4</td>
</tr>
<tr>
<td>PHY420</td>
<td>Quantum Mechanics</td>
<td>4</td>
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</table>

Choose from: 8 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PHY340</td>
<td>Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHY360 &amp; PHY365</td>
<td>Physics Research Seminar I &amp; II</td>
<td>2</td>
</tr>
<tr>
<td>PHY481</td>
<td>Internship in Physics</td>
<td></td>
</tr>
<tr>
<td>CHE111D*</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>COS205</td>
<td>Scientific Computing</td>
<td>3</td>
</tr>
<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
</tr>
<tr>
<td>MAT125</td>
<td>Calculus 2</td>
<td>4</td>
</tr>
<tr>
<td>MAT222</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAT223</td>
<td>Multivariable Calculus</td>
<td>3</td>
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</table>

Choose from: 3-4 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE212</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>COS344</td>
<td>Numerical Methods</td>
<td></td>
</tr>
<tr>
<td>MAT330</td>
<td>Probability and Statistics</td>
<td></td>
</tr>
</tbody>
</table>

General Education 51-52 credits

TOTAL 121-123**

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total may include 8 credits of electives.

Students planning on graduate school in optics or electrical engineering should choose PHY400 Electricity and Magnetism and PHY440 Quantum Mechanics. Those planning on graduate work in mechanical engineering should choose PHY340 Mechanics and PHY410 Thermodynamics.
### Major in Science Education 5–12: Physics Emphasis (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY110D*</td>
<td>Introduction to Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>PHY290D*</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY295</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY300</td>
<td>Electronics</td>
<td>4</td>
</tr>
<tr>
<td>PHY310</td>
<td>Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY330</td>
<td>Optics</td>
<td>4</td>
</tr>
<tr>
<td>PHY400</td>
<td>Electricity and Magnetism</td>
<td></td>
</tr>
<tr>
<td>PHY410</td>
<td>Thermodynamics</td>
<td></td>
</tr>
<tr>
<td>BIO101D*</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHE111D*</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE212</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>EDU200</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU201</td>
<td>Introduction to Education Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU203</td>
<td>School Health and Drugs</td>
<td>2</td>
</tr>
<tr>
<td>EDU220</td>
<td>Introduction to Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU240</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU241</td>
<td>Educational Psychology Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>EDU317GZ*</td>
<td>Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDU320</td>
<td>Pedagogy of the Young Adolescent Learner</td>
<td>2</td>
</tr>
<tr>
<td>EDU420</td>
<td>Methods in Teaching 5–12 Science</td>
<td>3</td>
</tr>
<tr>
<td>EDU429</td>
<td>Middle Level Education Practicum in Science</td>
<td>1</td>
</tr>
<tr>
<td>EDU490</td>
<td>Student Teaching Block</td>
<td>15</td>
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<tr>
<td>GEL167D*</td>
<td>Geology</td>
<td>4</td>
</tr>
<tr>
<td>MAT124M*</td>
<td>Calculus 1</td>
<td>4</td>
</tr>
<tr>
<td>MAT125</td>
<td>Calculus 2</td>
<td>4</td>
</tr>
<tr>
<td>MAT223</td>
<td>Multivariable Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education**

- **Credit Hours:** 51-52

**Total:** 139-140**

* A student may also choose to use this course to meet a General Education requirement.

** Because of possible double counting between General Education and the major, the actual total can be reduced to 129-130 credits.

Students must earn a grade of C or better in each content area or education course in the major (BIO, CHE, EDU, GEL, MAT, PHY). Courses with grades of C- or lower must be repeated.

### Major in Engineering Science

(See Engineering section.)
Minor in Physics

Choose from:

PHY200D* and PHY205  Introductory Physics I and II
PHY290D* and PHY295  General Physics I and II

PHY300  Electronics ........................................................................................................... 4
PHY310  Modern Physics ................................................................................................. 4

Choose from: .................................................................................................................... 4

PHY330  Optics
PHY340  Mechanics
PHY410  Thermodynamics

TOTAL 20

* A student may also choose to use this course to meet a General Education requirement.
Political science is the study of power, justice, liberty, and order, whether at the local community level, nationally, or internationally. How can we best organize our common life together? How, in fact, do we, and with what results? How should we, and according to what standards or values? Americans are still working out the answers to such questions, whether in terms of the president’s latest foreign policy move, a decision by the local board of education to close a neighborhood school, efforts to alleviate world hunger, or the more abstract questions of political philosophy.

Political science courses are concerned with such topics as Christian political values; the place of the individual in relation to larger organizations; the ways governments make and administer policies; comparative government, foreign policy, and international relations; and contemporary political ideologies. The aim throughout is to enable students to function more effectively within the complexities of the modern world by providing a broad competence in terms of knowledge and how to use it, and by giving careful attention to the spiritual values implicit in most political choices. Political science courses stress developing the operational, analytic, and imaginative skills required for success in virtually all areas of modern society, including business, law, government, education, and the ministry; and for responsible Christian citizenship in today’s world.

**COURSES**

**POS100 • American Politics and Government** *(fall, spring)* 3 credits
Structure and workings of major parts of the United States national government, such as the Constitution, the presidency, Congress, the courts, the electoral process, and others. How these institutions help Americans deal with significant current issues.

**POS202U • Introduction to International Relations** *(fall, spring)* 3 credits
How governments interact to further their different political, military, and economic interests; basic factors affecting international cooperation and conflict; topics such as summit meetings, terrorism, arms control, and food and energy resources distribution; one or more international crisis simulation exercises. Prerequisites: Second-semester freshman standing or higher; GES130 or GES145, 146.

**POS211 • The Political Quest** *(fall, odd # yrs; spring)* 3 credits
Major problems of politics and international relations, such as the proper goals of political life, the nature of justice, and the role of the state. Methods of inquiry. Development of the student’s personal political stance and its relation to his or her maturing faith. Prerequisite: One political science course.

**POS216L • American Constitutional History** *(spring)* 3 credits
Examination of the origins and development of American constitutional ideas and institutions from the colonial period to the present. Particular attention paid to the historical connections between major constitutional cases and broader social, political, economic, and cultural trends. Prerequisite: GES130 or GES145, 146. (Carries cross-credit in history).

**POS219L • Public Leadership** *(occasionally)* 3 credits
Principles of public leadership and challenges for leaders to meet in the modern age; American experiences with leaders in various roles. Prerequisite: GES130 or GES145, 146.

**POS221L • American Political Ideologies** *(fall)* 3 credits
Major modern American ideologies. Liberalism, conservatism, democratic socialism, anarchism, liberation theology, fascism, and gender and ethnic politics. Christian interfaces with various political theories. Prerequisite: GES130 or GES145, 146.
POS230L • Politics and Religion in the United States  
Examines the historical and contemporary relationship between religion and politics in the United States. Divisions and political affiliations of various religious communities are considered alongside discussion of secularism, pluralism, and civil religion in America. (Carries cross-credit in religious studies.) Prerequisite: GES130 or GES145, 146.

POS241L • Revolution and Political Development  
Theory and process of modernization, with special emphasis on the Anglo-American historical experience; examinations of U.S. efforts to promote democracy internationally in Europe, Asia, the Middle East since World War II. Prerequisite: GES130 or GES145, 146. (Carries cross-credit in history.)

POS304 • Political Parties and Elections  
Organization and activities of American political parties. The electoral process, including candidate nominations, campaigns, conduct of elections, and voting behavior. Issues relating to the contribution of parties and elections to American democracy, and the capacity of citizens to participate in politics. Prerequisite: Open to sophomores with consent of instructor; POS100 recommended.

POS305G • The Cold War  
The Cold War as an event in international history, studied from the perspective of the United States, the Soviet Union, China, Europe, and the Third World. Introduces students to ongoing historical debates and to the sources historians use in those debates (including declassified documents available online). Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course. (Carries cross-credit in history.)

POS306 • Public Administration  
How public policy is put into effect through the administrative agencies of government and the problems in management of such agencies and their relations with the public. Prerequisite: Sophomore standing; POS100 recommended. (Carries cross-credit in business.)

POS310 • American Foreign Relations  
Development of United States foreign policy since the Nixon Administration, with particular attention to contemporary issues, long-range historical trends, and the ways in which foreign policy is formulated and carried out. Independent study on specific topics and issues. Prerequisites: Sophomore standing with consent of instructor; POS100 or POS202U recommended.

POS313G • International Cooperation  
Causes of international conflict and the institutions designed to build a more cooperative world order. Peacekeeping strategies, the international monetary system, and the policies and institutions used by the industrialized nations of the world to build a more harmonious international system. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course; POS202U or POS310 recommended.

POS315 • The Politics of Terrorism  
Analysis of terror and terrorism, both historically and contemporarily, through study of the political psychology of terrorists and terrorist groups, the tactics of terror, and the complex relationship between terror and states. Special attention to the motivations for terror and the effect of religion on terrorism as a political strategy. Prerequisite: POS202U.

POS317 • Political Psychology  
Political psychology is concerned with the causes, dynamics, and consequences of human thinking and action in the context of politics. This field survey covers the psychology of decision-making, political attitude formation, public opinion, personality and emotions, intergroup relations, ideology, and the role of mass media in politics. Prerequisite: one political science course. (Carries cross-credit in psychology.)
POS321 • Contemporary Democracies  
(fall, odd # yrs) 3 credits
The meaning of democracy in theory and practice throughout history and in the modern political systems of Great Britain, Japan, and Mexico. Independent research in other democratic systems. Prerequisite: POS100 or POS211 recommended.

POS324G • Human Rights in International History  
(spring, even # years) 3 credits
International and comparative exploration of how human rights have been defined, violated, and protected. Discussion of historical topics (e.g., the abolition of the slave trade, social reform and Christian missions, the genocides of the 20th century), as well as contemporary issues. Includes a service-learning project completed at Bethel or with a local organization. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course. (Carries cross-credit in history.)

POS325 • Political Communication  
(occasionally interim) 3 credits
Analysis of the theoretical background behind political communication from a public speaking and media perspective. Attention to decision-making skills required in political campaigns. Discussion of advanced persuasive campaign theory. Prerequisite: COM110N, POS100, or consent of instructor. (Carries cross-credit in communication studies.)

POS327G • History and Politics of Russia and China  
in the Modern World  
(spring) 3 credits
Political, social, and historical manifestations of communism/post-communism in Russia and China in the 20th century. Comparative analysis of communist systems; exploration of maintenance of a communist state in China and transition to a non-Communist state in Russia. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course. (Carries cross-credit in history.)

POS330K • Science, Values, and the  
Making of Environmental Policy  
(fall, even # yrs) 3 credits
What role do citizens and experts play in the public policy process? Do people approach scientific evidence with competing value perspectives? These questions are examined in order to understand the interplay between key people, institutions, values, and power that is present in a series of environmental policy case studies. Prerequisites: Laboratory Science (D) course; Mathematics (M) course. (Carries cross-credit in environmental science.)

POS340 • American Political Institutions  
(fall, even # yrs) 3 credits
Examination of the U.S. Congress, Supreme Court, and presidency, with attention to the effects of institutions on the democratic and policy processes. Consideration of political science research on political institutions and contemporary issues facing them. Prerequisite: POS100 or consent of instructor.

POS342 • American Public Policy  
(spring, even # yrs) 3 credits
Examination of public policy—the result of government action—through consideration of the policy process, policy design, and current status of American public policy. Special attention devoted to social policy with student investigation and research in public policy. Prerequisite: POS100 or consent of instructor.

POS345 • Modern Political Thought  
(spring, odd # yrs) 3 credits
Examination and consideration of selected political thinkers of the 19th and 20th centuries, including Freud, Nietzsche, Kuyper, Arendt, Rawls, Berlin, Yoder, Foucault, Mouw, and others. Concentrates on primary sources and Christian responses to the “end of political theory” in the 20th century. Prerequisite: One course in political science, philosophy, or Western history; or consent of instructor.
POS360 • Classics in Western Political Philosophy  
(spring, even # yrs)  4 credits
Selected political theorists. Writers such as Plato, Aristotle, early Christian writers, Machiavelli, Luther, Calvin, Locke, Marx, and Niebuhr. Concentrates on primary sources. Prerequisite: One course in political science, philosophy, or European history. (Carries cross-credit in philosophy and history.)

POS410 • Topics in Political Science: Democracy in America  
(fall, even # yrs)  3 credits
Examines the changing understanding of democracy across the context of American life from the Puritans to the present, with special attention to Toqueville's classic *Democracy in America*; how best to carry democracy into the 21st century. Prerequisites: Two political science or related courses.

POS481 • Internship in Political Science  
(fall, spring)  3 credits
An off-campus working experience in a government agency or political organization under appropriate supervision. Placement is individually arranged with the Department of Political Science. Prerequisite: Consent of department chairperson.

POS499 • Senior Seminar  
(fall)  4 credits
Advanced research and analysis in selected problems and value questions in political science. Prerequisite: Senior standing or consent of department chairperson.

Washington, D.C. Experience
Firsthand experience in Washington, D.C., for academic credit is available through the American Studies Program of the Council for Christian Colleges and Universities. See an advisor in the Department of Political Science.
### Major in Political Science (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS211</td>
<td>The Political Quest</td>
<td>3</td>
</tr>
<tr>
<td>POS499</td>
<td>Senior Seminar</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose from American politics and government courses: 3
- POS100 American Politics and Government
- POS216L* American Constitutional History
- POS219L* Public Leadership
- POS230L* Politics and Religion in the United States
- POS304 Political Parties and Elections
- POS306 Public Administration
- POS325 Political Communication
- POS330K* Science, Values, and the Making of Environmental Policy
- POS340 American Political Institutions
- POS342 American Public Policy

Choose from international relations courses: 3
- POS202U* Introduction to International Relations
- POS305G* The Cold War
- POS310 American Foreign Relations
- POS313G* International Cooperation

Choose from comparative politics courses: 3
- POS241L* Revolution and Political Development
- POS315 The Politics of Terrorism
- POS317 Political Psychology
- POS321 Contemporary Democracies
- POS324G* Human Rights in International History
- POS327G* History and Politics of Russia and China in the Modern World

Choose from political philosophy courses: 3-4
- POS221L* American Political Ideologies
- POS345 Modern Political Thought
- POS360 Classics in Western Political Philosophy
- POS410 Topics in Political Science: Democracy in America

Electives from political science courses: 15

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>34-35</td>
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</tbody>
</table>

**General Education**

<table>
<thead>
<tr>
<th>Electives</th>
<th>51-52</th>
</tr>
</thead>
</table>

**TOTAL 122**

* A student may also choose to use this course to meet a General Education requirement.

### Major in Business and Political Science (B.A.)

(See Multidisciplinary section.)

This major is designed for students who wish to combine substantial work in the fields of business and political science with additional supporting courses in economics and mathematics.

### Major in International Relations (B.A.)

(See Multidisciplinary section.)

This major provides a solid foundation in international relations, U.S. foreign policy, economics, geography, and a foreign language competency. The electives are designed to allow students to integrate other interests with their focus on international relations.
Major in Social Studies Education 5–12 (B.A.)
(See Multidisciplinary section.)

Major in Third World Studies (B.A.)
(See Multidisciplinary section.)

Minor in Political Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS211  The Political Quest</td>
<td>3</td>
</tr>
<tr>
<td>Electives from political science courses, of which at least 7 credits must be 300 level or above</td>
<td>15</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Special Study Opportunities

All students are strongly encouraged to take advantage of at least one special study opportunity as part of their major or minor, such as:
- American Studies Program in Washington, D.C.
- Guatemala Term
- Latin American Studies Program
- Spain Term
- Internships (Minnesota State Legislature, local government, political campaigns, interest groups)
- Foreign study (full year, one semester, interim)
- Directed study

Pre-law Education
(See Pre-professional section.)
PRE-PROFESSIONAL

PRE-LAW EDUCATION
Students planning to attend law school after graduation should seek a broad liberal arts education. Law schools do not recommend any specific pre-law curriculum and accept students from many majors. The Law School Admission Test, which is an essential gateway to legal education, examines students’ abilities in reading comprehension as well as logical and analytical reasoning. Thus, it is most important that students develop their thinking, writing, and speaking skills through a variety of courses and experiences, and gain a critical understanding of human behavior, institutions, and values.

Students should discuss their interest in the law with their academic advisor and the pre-law advisor early in their academic careers to create a program that best fits the student’s interests and helps to prepare the student for the LSAT. The following courses may be especially helpful for students considering careers in the law, though they are not required for admission to law school.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS210</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>ENW205A*</td>
<td>Essay Writing</td>
</tr>
<tr>
<td>HIS/POS216L*</td>
<td>American Constitutional History</td>
</tr>
<tr>
<td>PHI225M*</td>
<td>Introduction to Logic</td>
</tr>
<tr>
<td>POS100</td>
<td>American Politics and Government</td>
</tr>
</tbody>
</table>

* A student may choose to use this course to meet a General Education requirement.

PRE-MEDICINE AND OTHER HEALTHCARE PROFESSIONAL PROGRAMS
Bethel provides the appropriate programs for students who wish to pursue careers in medicine, dentistry, veterinary science, physical therapy, pharmacy, or other healthcare professions. Most medical and healthcare professional programs are master’s degree and doctoral degree programs. Bethel has a long-standing tradition of preparing students for careers in health professions and enjoys an excellent reputation with many professional schools that have accepted a large number of Bethel students. Professional schools are interested in students from a broad range of interests, backgrounds, and academic majors, but all require a specific set of prerequisite college courses to be completed before admission. Students should consult with the health professions advisor at Bethel as early as possible in their college experiences to tailor a plan that meets the specific requirements of the professional school they plan to attend. Those planning to receive a degree from Bethel prior to admission into a professional program should choose an academic major in addition to the specific pre-professional program. Although most Bethel students choose to major in either Biology B.S. or Biochemistry/Molecular Biology B.S., selection of an academic major is generally not a factor in influencing admission into professional schools, and students are encouraged to major in any area offered by the university.
Pre-medical Track
(Recommended for careers in medicine, osteopathic medicine, dentistry, veterinary medicine, optometry, podiatry, or chiropractic medicine as well as a career as a physician’s assistant.)

- BIO112D* Introduction to Molecular and Cellular Biology
- BIO113D* Introduction to Organismic Biology
- CHE111D*, 212 General Chemistry I and II
- CHE221, 222 Organic Chemistry I and II
- CHE386 or BIO381 Biochemistry I
- PHY200D*, 205 Introductory Physics I and II

or

- PHY290D*, 295 General Physics I and II

Additional courses in mathematics, composition, literature, and social and behavioral sciences as indicated by specific professional schools.

Specific professional schools may require science courses in addition to those listed.

* A student may choose to use this course to meet a General Education requirement.

Health Professional Tracks
Many Bethel students pursue careers in other healthcare professions. Most of these are postgraduate degrees beyond college. Specific tracks are available from the health professions advisor for pre-professional programs in the following areas:

- Nursing (see Department of Nursing)
- Pre-Chiropractic Medicine
- Pre-Dentistry
- Pre-Medicine
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Osteopathic Medicine
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Physician’s Assistant
- Pre-Podiatry

PRE-MINISTERIAL
In addition to majors in Biblical and Theological Studies and Youth Ministry, Bethel offers an opportunity for students pursuing other majors to explore ministry as a career and prepare for master’s level ministry degrees through Bethel’s Antioch Way initiative. This program, funded by the Kern Family Foundation, can be combined with almost any major. Program participants are placed in a cohort of peers who take retreats together and enroll in several required courses, all of which meet Bethel’s General Education requirements. During the junior year, each student enters into a mentoring relationship with a ministry leader that culminates in a paid ministry apprenticeship during the senior year. For a more detailed description visit, [cas.bethel.edu/antiochway/](cas.bethel.edu/antiochway/).
Psychology can be defined as the scientific study of human cognition and behavior. The courses in the department are designed to acquaint students with psychological theory and the findings of psychological researchers; familiarize students with the terminology and principles of cognition and behavior; provide education in the techniques of psychological investigation with an emphasis on empirical research; study ways in which psychological principles apply to practical situations; and relate the findings of psychology to biblical Christianity. Psychology department courses interface with numerous other Bethel majors, including business, education, nursing, biology, sociocultural studies, biblical and theological studies, and many others. A Master of Arts in Counseling Psychology is offered through the Department of Psychology and is administered through the Graduate School.

The required internship is an opportunity to gain experience in a professionally supervised setting. Students’ participation in retirement facilities, hospitals, correctional facilities, drug and alcohol treatment centers, human resources departments, and a variety of other sites help refine career goals and graduate study plans and offer opportunities to integrate classroom learning with experience.

### COURSES

**PSY100 • Introduction to Psychology** *(fall, spring)* 3 credits

Methods, theories, and principal findings of psychological investigation.

**PSY105N • Personal Wholeness in Relating to Self, Others, and God** *(fall, spring)* 3 credits

Nature and process of growth in persons. Personal wholeness in relationship with self, others, and God is explored from various spiritual and psychological perspectives. Emphasis is placed on personal application of course material to promote greater self-awareness and ability to live out healthy choices regarding areas explored in course.

**PSY203 • Lifespan Development** *(fall, spring)* 3 credits

Physical, cognitive, emotional, social, moral, and spiritual development from conception to death. Includes a consistent focus on individual differences. Prerequisite: PSY100. Students may not receive credit for PSY203 if they receive credit for PSY206 or PSY211.

**PSY206 • Child and Adolescent Development** *(fall)* 3 credits

Interacting processes of physical, cognitive, social, emotional, moral, and spiritual development from conception through adolescence. Includes observations of children. Prerequisite: PSY100. Students may not receive credit for both PSY206 and PSY203.

**PSY211 • Adult Development and Aging** *(spring)* 3 credits

Interacting processes of physical, cognitive, social, emotional, moral, and spiritual development and change from early adulthood until death. Prerequisite: PSY100. Students may not receive credit for both PSY211 and PSY203.

**PSY215 • Social Psychology** *(fall, interim, spring)* 3 credits

Behavior and experience of individuals and groups in relation to other individuals and groups. Theory, method, and findings in areas such as conformity, persuasion, social cognition, attraction, altruism, aggression, prejudice, group behavior, and applied topics. Prerequisite: PSY100.

**PSY230M • Introduction to Statistical Methods and Experimental Design** *(fall, spring)* 4 credits

Descriptive, correlational, and inferential statistics, plus experimental design. Parametric and nonparametric statistical techniques are taught with emphasis on designing and conducting two-group experiments and analyzing the data. Students may not receive credit for both PSY230M and MAT131M.
PSY300 • Abnormal Psychology  
(class, spring) 3 credits  
Classification, causes, symptoms, and treatment of various forms of psychopathology. Analysis of Christian and secular perspectives of psychopathology and a survey of some major issues in the field of mental health. Prerequisite: PSY100.

PSY304 • Introduction to Forensic Psychology  
(fall, odd # yrs) 3 credits  
Provides students the opportunity to explore psychological and social processes in the legal, judicial, and criminal investigation systems. Emphasis is placed upon students developing the capacity to evaluate relevant research critically in order to better appreciate both the value and the limitations of the findings. Secondary emphasis is placed upon theory development and application in forensic psychology. Includes a section on the psychology of terrorism. Prerequisites: An introductory social sciences course (PSY100, SOC101, or ANT200U); a quantitative research course in the social sciences (PSY230M or SCS350); or consent of instructor.

PSY305 • Personality  
(fall, spring) 3 credits  
Personality theories understood as the worldview of individuals living in certain times and places. Both classical Western theories and non-Western views. Prerequisite: PSY100.

PSY308G • Cross-Cultural Psychology  
(interim, spring) 3 credits  
Behavior and experience related to cultural differences. Theory, method, and findings in areas of cognition, social psychology, and applied concerns. Specific people groups may be emphasized. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

PSY310 • Addiction and Recovery  
(interim) 3 credits  
Psychological, physiological, and causal aspects of addiction, with emphasis on understanding the experience of persons with addiction. Addictions studied include drugs, alcohol, gambling, sex, and the internet. Also covers family issues related to addiction, models of recovery, and treatment options. Integration of Christianity with this topic throughout the course. Prerequisite: PSY100.

PSY313G • Families in Cross-Cultural Perspective  
(fall) 3 credits  
Contemporary, historical, and cross-cultural, predominantly non-Western perspective on a variety of family systems and the people living in them. Explores values and assumptions underlying these systems, roles, intergenerational relationships, identity formation, and developmental tasks. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course. (Carries cross credit in family studies.)

PSY315 • History of Psychology  
(fall) 3 credits  
Historical roots of contemporary psychology. Focus is on the influence of historical trends, people, and events on the evolution of psychological questions, constructs, methods, and issues from the early Greeks to the present. Prerequisites: PSY100; GES130 or GES145, 146; junior or senior standing.

PSY317 • Political Psychology  
(fall, odd # yrs) 3 credits  
Political psychology is concerned with the causes, dynamics, and consequences of human thinking and action in the context of politics. This field survey covers the psychology of decision-making, political attitude formation, public opinion, personality and emotions, intergroup relations, ideology, and the role of mass media in politics. Prerequisite: one political science course. (Carries cross-credit in political science.)

PSY320Z • European Pioneers in Psychology  
(occasionally interim) 3 credits  
A study-abroad experience that explores prominent European figures in the history of psychology within the context of the major historical currents and schools. Study of the cultural, philosophical, intellectual, and spiritual roots of psychological theory—especially in connection with our host countries. Site and museum visits, and encounters with local professional and academic psychologists. Prerequisites: PSY100; GES130 or GES145, 146; junior or senior standing; permission of instructors; timely completion of application process.
PSY322 • Animal Behavior  
*(spring, odd # yrs)* 4 credits
Behavior from primitive invertebrates to advanced mammals, highlighting trends in behavior systems. Natural setting studies in the ethology tradition, comparative psychology studies, and biosociological principles with their implications for human social systems. Prerequisite: One course in biology or PSY100. (Carries cross-credit in biological sciences.)

PSY323 • Motivation and Emotion  
*(occasionally)* 4 credits
How do biological, environmental, cognitive, emotional, and personal systems interact to initiate and direct human behavior? How do experimental psychologists study emotional and motivational systems? Topics covered include hunger and eating, love and sexual behavior, arousal and peak performance, aggression, emotional stress and health, negative and positive emotions, curiosity, creativity, and self-esteem. Prerequisites: PSY100; PSY230M.

PSY325G • Psychology of Religion  
*(spring)* 3 credits
Topics of central importance within many world religions (e.g., wisdom, love) are examined through various psychological theories and empirical findings. Major emphasis on developing the capacity to understand religious behavior and experience from the psychological and religious perspectives studied in the course, regardless of the extent to which one agrees or disagrees with a particular viewpoint. Prerequisites: PSY100; GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

PSY328 • Student Development and the Resident Assistant  
*(fall)* 3 credits
Designed to aid resident assistants in their understanding of student development. Developmental and leadership theories, behavioral patterns, interpersonal skills development, analysis of cases, educational and social programming, current issues, and dynamics at work in resident college students. Prerequisite: Current resident assistant position.

PSY330 • Disabilities and Giftedness  
*(fall)* 4 credits
Development of exceptional people from a lifespan perspective. Cognitive, physical, emotional, and sociocultural variables relevant to mental retardation; giftedness; learning disabilities; physical, sensory, and communication disabilities; emotional disturbance; and multiple disabilities. Critical analysis of education and management programs. Literature review, research, and student contact with a number of exceptionalities. Prerequisites: EDU240, PSY203, PSY206, or PSY211; junior standing.

PSY335 • Tests and Measurement  
*(spring)* 4 credits
Methods of assessing human behavior and the nature and significance of individual differences. Includes basic psychometric theory, principles of test construction, theory and utilization of current standardized tests of intelligence, achievement, and personality. Prerequisites: PSY100; PSY230M.

PSY340 • Physiological Psychology  
*(fall)* 4 credits
Physiological and neuroanatomical mechanisms underlying behavior; sensory mechanisms, wakefulness, and attention processes; brain mechanisms of aggression, fear, pain, thirst, reproductive behavior, learning, and discrimination processes. Prerequisites: PSY100; PSY230M.

PSY345 • Conditioning and Learning  
*(interim)* 4 credits
Basic procedures of classical and operant conditioning, theories of learning, applications of behavioral conditioning principles to selected problems in human learning. Includes laboratory experience. Prerequisites: PSY100; PSY230M.

PSY350 • Cognitive Psychology  
*(spring)* 4 credits
Psychological theory and research concerning thinking, memory, reasoning, language, and problem solving. Includes laboratory experience. Prerequisites: PSY100; PSY230M.

PSY355 • Research Principles and Laboratory  
*(fall, spring)* 4 credits
Research methods in psychology in the context of designing independent research. Standard research designs (experimental, quasi-experimental, and non-experimental) are evaluated in terms of threats to internal and external validity. Factorial designs, analysis of variance, and regression models are introduced. Prerequisites: PSY100; PSY230M.
PSY399 • Topics in Psychology

(occasionally) 3 credits
Contemporary concerns in psychology not covered in the current formal course offerings of the department. Prerequisite: PSY100.

PSY400 • Principles of Counseling and Psychotherapy

(fall, spring) 4 credits
Introduction and analysis of major therapy systems from Christian and secular perspectives, basic counseling techniques, and current ethical issues facing the counseling professions. Designed for students planning graduate study in human services. Prerequisites: PSY100; PSY300 or PSY305.

PSY440 • Sensation and Perception

(spring, odd # yrs) 4 credits
A study of how the brain receives and interprets information from the environment. The biological operation of each of the senses is covered, as well as how the action of sense organs is translated into meaningful perceptions. Prerequisites: PSY100; at least one of the following: PSY340, BIO101D, BIO103D, BIO109D, BIO113D.

PSY481 • Internship in Psychology

(fall, spring) 3-4 credits
A directed experience relevant to psychology in an off-campus setting. Prerequisite: Consent of supervising instructor.

PSY493 • Psychology Internship and Seminar

(fall, spring) 4 credits
A professionally supervised, applied learning experience in the work world. The senior internship includes a seminar component in which students meet regularly on campus with the Bethel faculty supervisor. This structured classroom experience will facilitate students’ processing of their internship experiences and offer a forum for discussion of internship-related issues. Prerequisites: Psychology major; senior standing; and minimum 2.25 GPA in psychology courses, 2.0 cumulative.

PSY498 • Research

(fall, spring) 2-4 credits
Work with a psychology faculty member on an empirical research project. Emphasis on the use of research methodology, techniques, and psychological theory. The work may be spread over two semesters. Graded on a S/U basis. Prerequisites: Major in psychology; invitation of supervising faculty member; PSY230M.

PSY499 • Senior Seminar

(fall, spring) 3 credits
Foundational issues in psychology and the interface of psychology, Christianity, and other disciplines. Includes an in-depth individual writing project. Prerequisites: Major in psychology; senior standing.
## Major in Psychology (B.A.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PSY100</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>PSY230M*</td>
<td>Introduction to Statistical Methods and Experimental Design</td>
<td>4</td>
</tr>
<tr>
<td>PSY355</td>
<td>Research Principles and Laboratory</td>
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<td>PSY493</td>
<td>Psychology Internship and Seminar</td>
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<td>PSY499</td>
<td>Senior Seminar</td>
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<td></td>
<td><strong>Choose from Developmental Psychology courses:</strong></td>
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<tr>
<td>PSY203</td>
<td>Lifespan Development</td>
<td>3</td>
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<tr>
<td>PSY206</td>
<td>Child and Adolescent Development</td>
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<tr>
<td>PSY211</td>
<td>Adult Development and Aging</td>
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<td><strong>Choose from History of Psychology courses:</strong></td>
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<tr>
<td>PSY315</td>
<td>History of Psychology</td>
<td>3</td>
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<tr>
<td>PSY320Z</td>
<td>European Pioneers in Psychology</td>
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<td></td>
<td><strong>Choose from Socio-cultural Bases of Behavior courses:</strong></td>
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<tr>
<td>PSY215</td>
<td>Social Psychology</td>
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<tr>
<td>PSY308G*</td>
<td>Cross-Cultural Psychology</td>
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<tr>
<td>PSY313G*</td>
<td>Families in Cross-Cultural Perspective</td>
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<td><strong>Choose from Abnormal or Personality courses:</strong></td>
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<tr>
<td>PSY300</td>
<td>Abnormal Psychology</td>
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<tr>
<td>PSY305</td>
<td>Personality</td>
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<td><strong>Choose from Experimental Psychology courses:</strong></td>
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<td>PSY322</td>
<td>Animal Behavior</td>
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<td>PSY323</td>
<td>Motivation and Emotion</td>
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<td>PSY335</td>
<td>Tests and Measurement</td>
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<td>PSY340</td>
<td>Physiological Psychology</td>
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<tr>
<td>PSY345</td>
<td>Conditioning and Learning</td>
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<td>PSY350</td>
<td>Cognitive Psychology</td>
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<td>PSY440</td>
<td>Sensation and Perception</td>
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<td>One 4-Credit Elective: Choose from any of the above 4-credit Experimental Psychology courses or the following:</td>
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<td>PSY330</td>
<td>Disabilities and Giftedness</td>
<td>4</td>
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<td>PSY400</td>
<td>Principles of Counseling and Psychotherapy</td>
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<td>One 3- or 4-Credit Elective: Choose from any 3- or 4-credit courses above or the following:</td>
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<tr>
<td>PSY304</td>
<td>Introduction to Forensic Psychology</td>
<td>3-4</td>
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<tr>
<td>PSY310</td>
<td>Addiction and Recovery</td>
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<tr>
<td>PSY317</td>
<td>Political Psychology</td>
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<tr>
<td>PSY325G</td>
<td>Psychology of Religion</td>
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</tbody>
</table>

**Total Credit Hours:** 122

* A student may also choose to use this course to meet a General Education requirement.

Note: No student may take more than eight credits in any combination of PSY498 Research, PSY481 Internship in Psychology, or Directed Study in Psychology.
Minor in Psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
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<tr>
<td>PSY100</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>Choose from:</td>
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<td></td>
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<tr>
<td>PSY203</td>
<td>Lifespan Development</td>
<td>3</td>
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<tr>
<td>PSY206</td>
<td>Child and Adolescent Development</td>
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<tr>
<td>PSY211</td>
<td>Adult Development and Aging</td>
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<tr>
<td>Choose from:</td>
<td>4</td>
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<tr>
<td>PSY323</td>
<td>Motivation and Emotion</td>
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<td>Physiological Psychology</td>
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<td>Conditioning and Learning</td>
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<td>Principles of Counseling and Psychotherapy</td>
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<tr>
<td>PSY440</td>
<td>Sensation and Perception</td>
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</tr>
</tbody>
</table>

Electives from 200-level or above psychology courses, excluding PSY328, PSY481, PSY498, and PSY499

TOTAL 19
RELIGIOUS STUDIES

The religious studies minor is a broadly based interdisciplinary program focused on the various components of religious aspects of human life. This minor is designed to complement academic programs currently offered at Bethel and responds to Bethel’s commitment to understanding diversity, specifically with regard to the fact of religious diversity. The context of the program is an evangelical Christian liberal arts environment that seeks to foster an appreciation for the complexity of the human religious phenomenon; to develop the capacity to critically evaluate religious traditions and worldviews; and to cultivate the skills necessary to engage responsibly as evangelical Christians in religiously plural societies. The goal for students in this program is not only to supplement their major field of study with further preparation for a variety of roles, including leadership in many professional settings, but also to prepare them for graduate study in religion and related fields.

COURSES

REL200L • Western Religious Traditions  
(spring) 3 credits
An introduction to religious studies. Focus on the major Western religious traditions (Judaism, Christianity, Islam, African, and Native American indigenous religions), using both primary and secondary sources. Emphasis on their affirmations regarding ultimate reality as it relates to the meaning and purpose of human existence within their respective religious and cultural contexts. Prerequisite: GES130 or GES 145, 146.

REL201 • Religion and Art in Asia  
(spring, even # yrs) 3 credits
Examination of artistic expressions of the major religious traditions of India, China, Japan, and Southeast Asia. Definitions of “religion” and “art” provide a guide for identifying and understanding Asian architecture, statuary, and paintings. Doctrinal and ritual elements of the major traditions are explained, and art that symbolizes and expresses these elements is analyzed. (Carries cross-credit in art.)

REL205U • Religions of India, China, and Japan  
(fall) 3 credits
Introduction to the study of religion and its application to religions of India, China, and Japan. The origin, development, and diversity of major and minor religions including Hindu, Buddhist, Confucian, and Shinto traditions through reading primary and secondary literature. The spread and importance of these traditions in America is demonstrated. Prerequisite: GES130 or GES145, 146.

REL206UZ • Religious Traditions in Asia: Thailand  
(occasionally interim) 3 credits
Formal academic study, direct observation of, and interaction with the Buddhist, Muslim, Christian and traditional religions on location in Thailand. The rich presence of mosques, pagodas, temples, churches, and shrines supported by the respective communities of faith provides the opportunity to engage with living representatives and with the concrete manifestations of the traditions. Interaction with representatives of the religions supplement academic learning. Prerequisite: GES130 or GES145, 146.

REL225L • New Religious Movements  
(occasionally) 3 credits
History, beliefs, and practices of the major alternative religions active in America today, including Mormonism, Jehovah’s Witnesses, offshoots of Eastern religious traditions, and the New Age movement. Relationships of these movements to their parent traditions are discussed and comparative analyses drawn. Prerequisites: BIB101; GES130 or GES145, 146.
REL230L • Politics and Religion in the United States  
( interim) 3 credits
Examines the historical and contemporary relationship between religion and politics in the United States. Divisions and political affiliations of various religious communities are considered alongside discussion of secularism, pluralism, and civil religion in America. (Carries cross-credit in political science.) Prerequisites: GES130 or GES145, 146.

REL354 • Islam  
(spring, odd # yrs) 3 credits
A historical survey of the Islamic tradition from its inception under Muhammad through its seventh-century Common Era expansion under the Rightly Guided Kaliphs to the establishment of Islamic civilizations of the premodern period and their subsequent engagement with colonialism and modernity. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

REL356G • Judaism  
(spring, even # yrs) 3 credits
Exploration of the diverse political, religious, and social expressions of Judaism through study of the significance of the Jewish liturgical year in original contexts, medieval and modern European contexts, and American contexts. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

REL401 • Christianity and the World’s Religions  
(occasionally) 3 credits
Exploration of the historical and contemporary relationships of Christianity and various world religions, specifically focused at the theological level. Focus rotates from year to year, emphasizing the interfaith dialogue between Christianity and one other world religious tradition. Carries cross-credit in Biblical and Theological Studies. Prerequisites: BIB101; THE201.

### PROGRAMS

#### Minor in Religious Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>REL200L*</td>
<td>Western Religious Traditions</td>
<td>3</td>
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<tr>
<td>REL205U*</td>
<td>Religions of India, China, and Japan</td>
<td>3</td>
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<tr>
<td>PHI305G*</td>
<td>Philosophy of Religion</td>
<td>3</td>
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<tr>
<td>PSY325</td>
<td>Psychology of Religion</td>
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<tr>
<td>SOC372G*</td>
<td>Religion in Society</td>
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<td>REL201</td>
<td>Religion and Art in Asia</td>
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<td>REL206UZ*</td>
<td>Religious Traditions in Asia: Thailand</td>
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<td>REL225L*</td>
<td>New Religious Movements</td>
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<td>REL230L*</td>
<td>Politics and Religion in the United States</td>
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<td>REL354</td>
<td>Islam</td>
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<td>REL356G*</td>
<td>Judaism</td>
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<tr>
<td>REL401</td>
<td>Christianity and the World’s Religions</td>
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<tr>
<td>PHI375G*</td>
<td>Asian Thought</td>
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<td>Either or both of the two courses not selected from the Disciplinary Perspectives category</td>
<td>3</td>
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<tr>
<td></td>
<td>Directed study on specific religious tradition</td>
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</tbody>
</table>

| TOTAL       | 21          |

Four of the seven courses required in this minor must be taken at Bethel.

* A student may also choose to use this course to meet a General Education requirement.
Bethel’s Social Work Program is accredited by the Council on Social Work Education as an undergraduate-level program preparing students for generalist entry-level professional social work practice. Graduates from this program are eligible to be licensed as social workers. While preparation for practice is the program’s primary objective, academically qualified graduates are prepared to pursue graduate-level social work education. (A number of graduate schools offer advanced standing.) The 63-credit major includes a core of Department of Social Work requirements in classroom and field-based courses, and select biological, social, and behavioral science support courses.

A student must apply and be accepted for candidacy to the Social Work Program. Candidacy indicates your intention to apply for full admission to the program the fall of your junior year. To progress in the program, a student must meet the departmental and Bethel University requirements for academic progress.

Application for Candidacy for the Social Work Program
A. At the time of application for admission, the student must:
   1. Have second semester sophomore standing;
   2. Be enrolled in or have completed SOW200Z Introduction to Helping Relationships, with a grade of “C” or better;
   3. Provide a copy of unofficial transcript which documents a current GPA of 2.25 or greater;
   4. Provide summary of progress towards 50 hours of voluntary or paid experience involving direct services to people;
   5. Sign the Statement of Understanding and Agreement form after thoroughly examining all listed documents including the Code of Ethics and the Social Work Program Policy Handbook;
   6. Examine and sign the Academic Performance Standards Checklist;
   7. Meet with instructor during the last week of the semester of SOW200Z to review and complete Academic Performance Standards Checklist. This signed form will be placed in student candidacy file; and
B. The social work department will give written notification to the applicant concerning candidacy status.

Application for Full Admission to the Social Work Program
A. To be formally accepted into the Social Work Program, the student must:
   1. Complete SOW200Z Introduction to Helping Relationships, with a grade of C or better;
   2. Have a cumulative GPA of 2.25 at time of admission to the program;
   3. Give evidence of ability to meet Academic Performance Standards (cognitive skills, interpersonal skills, emotional intelligence, professional commitments, communication skills, professional behaviors, and self-awareness.) These standards are consistent with the role and responsibilities of the social work professional (note: a criminal history may preclude one’s ability to become licensed as a social worker upon graduation);
   4. Complete an application for admission to the Social Work Program that includes the following steps:
      a. Document at least 50 hours of voluntary or paid experience involving direct services to people;
      b. Write a self-assessment of readiness to become a social work professional;
      c. Provide two letters of reference from qualified individuals to assess applicant’s aptitude to pursue social work as a profession;
      d. Submit a resume; and
      e. Request an official transcript from the Office of the Registrar.
5. Interview with social work faculty to discuss application and readiness to enter Social Work Program.

B. The full-time faculty assess the application. Written notification of decision will be given to the applicant.

Field Program Admission

Student applies for admission to Field Program during fall of junior year. Acceptance into Social Work Program and Field Program must be finalized before student begins SOW334. Field courses require student to spend time in off-campus field settings. Student must furnish their own transportation to and from field settings. Student may be required to complete criminal background check, at student cost, as part of agency requirements.

International Field Practicum

Junior level student may fulfill SOW334 Social Work Field Experience in a social work approved international semester program. Student must work with the Office of International Studies and obtain approval from the field director of the Social Work Program. Student must also meet the Bethel requirements to study abroad and be accepted into a study abroad program.

Standards for Continuance and Graduation

In order to remain in the program, student must:

1. Earn a grade of C or better in each social work course (courses with a grade of C- or lower must be repeated);
2. Maintain a cumulative GPA of at least 2.25;
3. Demonstrate understanding of the NASW Code of Ethics and a consistent and growing commitment to ethical practice in accordance with this code;
4. Obtain an evaluation from junior-level (SOW334) field instructor and faculty liaison confirming that satisfactory progress is evident and the student is ready for senior-level field practice (SOW432, 433, 434). Application process, field expectations, and standards are detailed in the Social Work Program Policy Handbook and the Social Work Program Field Practicum Manual;
5. Obtain evaluations during senior-level field practicum (SOW432, 433, 434) from the field instructor and the faculty liaison confirming that satisfactory progress is being made toward competent, ethical, and professional social work practice. Application process, field expectations, and standards are detailed in the Social Work Program Policy Handbook and the Social Work Program Field Practicum Manual;
6. Obtain a final (SOW 432, 433, 434) evaluation from the field instructor and the faculty liaison confirming that the student is adequately prepared to graduate as a professional social worker. Application process, field expectations, and standards are detailed in the Social Work Program Policy Handbook and the Social Work Program Field Practicum Manual;
7. Maintain ongoing evidence of meeting standards of professional conduct and emotional maturity requisite for professional practice as outlined in the Academic Performance Standards which includes: cognitive skills, interpersonal skills, emotional intelligence, professional commitments, communication skills, professional behaviors, and self-awareness; and
8. Demonstrate continued development of professional knowledge, values, skills, ethics, and conduct expected of a generalist social work practitioner as presented throughout the Social Work Program.

Note: Students who request to resume their involvement with the Social Work Program after dropping out of the program or withdrawing from Bethel University for any reason must apply for readmission into the program. Issues that led to the decision to drop out (whether voluntary or involuntary) must be addressed prior to being readmitted to the Social Work Program. Being readmitted to Bethel University does not constitute readmission into the Social Work Program.
## Social Work Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW200Z</td>
<td>Introduction to Helping Relationships</td>
<td>4</td>
<td>Overview of social work mission, core values, history, and fields of practice. Understanding dimensions of diversity, cultures, and structures that may oppress and marginalize people groups. Significant cross-cultural, community-based service learning in which students communicate and collaborate with diverse individuals. Consideration of social work as career choice. Prerequisites: Sophomore standing.</td>
</tr>
<tr>
<td>SOW250</td>
<td>Social Welfare in America</td>
<td>3</td>
<td>Development of the welfare state in America from colonial period to the present, with a brief examination of European roots and influences. Historical context, reform movements, and resultant legislation, including that which emphasizes the roles of minorities and women. (Carries cross-credit in history.)</td>
</tr>
<tr>
<td>SOW304</td>
<td>Social Work Practice I</td>
<td>3</td>
<td>Generalist social work theory and practice with organizations and communities. Application of human behavior in the social environment. Research-based knowledge emphasized. Assignments in community settings focus on engagement and assessment; dimensions of diversity; interaction of social systems; and strategies to promote human and civil rights. Must be taken concurrently with SOW330; SOW313. Prerequisites: SOW200Z; major in social work.</td>
</tr>
<tr>
<td>SOW305</td>
<td>Social Policy Practice</td>
<td>4</td>
<td>Interrelationship of social problems, social welfare policies, and service delivery from historical, economic, political, and program perspectives. Social systems content applied to social policy analysis. Students develop, analyze, advocate, and provide leadership for policy and service delivery that promote economic and social justice through community-based projects. Prerequisites: Major in social work. (Non-majors may take course only with consent of instructor.)</td>
</tr>
<tr>
<td>SOW313</td>
<td>Social Work Practice II</td>
<td>3</td>
<td>Generalist social work theory and practice with individuals and families. Beginning professional development, communication skills and social change skills emphasized. Video assignment provides application of the helping process: engagement, assessment, planning, intervention, evaluation, and termination. Must be taken concurrently with SOW330; SOW304. Prerequisites: SOW200Z; major in social work.</td>
</tr>
<tr>
<td>SOW327G</td>
<td>Social Relations: Issues of Power and Privilege in the U.S.</td>
<td>3</td>
<td>Using minority/majority as sociological concepts to analyze individual behavior and group relationships, the distribution of power and privilege between minority and majority groups is studied. Issues of ethnicity, race, gender, faith perspectives, physical and mental attributes, and social class are examined. Includes social justice theories and applications. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.</td>
</tr>
<tr>
<td>SOW330</td>
<td>Social Work Field Experience I</td>
<td>2</td>
<td>Introductory field experience where students apply and integrate beginning knowledge, values, skills, and ethics for social work practice with an emphasis on preparing for professional role. Weekly on-campus field seminar supports integration while students work a minimum of 80 hours in a field setting under agency supervision. Must be taken concurrently with SOW304; SOW313. Prerequisites: SOW200Z; major in social work.</td>
</tr>
</tbody>
</table>
SOW331 • Social Work Field Experience II  
(spring)  2 credits  
Field experience where students apply and integrate beginning knowledge, values, skills, and ethics for social work practice with an emphasis on diversity and policy practice. Weekly on-campus field seminar supports integration while students work a minimum of 80 hours in field setting under agency supervision. Prerequisites: SOW304; SOW313; SOW330; major in social work; admission to the Social Work Program; admission to the Social Work Field Program.

SOW351 • Methods of Applied Social Research and Statistics  
(fall)  4 credits  
Social research methods, including an emphasis on becoming proficient and critical consumers of research-based data, for the purposes of knowledge advancement, informed practice, and program and practice effectiveness evaluation. Prerequisites: Mathematics (M) course; introductory course in the social and behavioral sciences.

SOW405 • Social Work Practice III  
(fall)  4 credits  
Generalist social work theory and practice with systems of all sizes. Emphasis on groups including task and treatment, group dynamics, leadership and development of group work model. Case studies promote application of critical thinking; cultural competency skills; and research-informed practice. Must be taken concurrently with SOW432. Prerequisites: SOW200Z; SOW304; SOW313; SOW330; SOW331; admission to the Social Work Program.

SOW432 • Social Work Field Instruction I  
(fall)  3 credits  
Field practicum in a practice setting where students perform the role of a professional social worker under supervision of a qualified field instructor. Weekly on-campus filed seminar supports integration of theory with social work practice. Students work a minimum of 135 hours in field. Structured learning plan provides application of social work knowledge, values and skills. Must be taken concurrently with SOW405. Prerequisite: Admission to the Social Work Program; admission to the Social Work Field Program.

SOW433 • Social Work Field Instruction II  
(spring)  3 credits  
A continuation of SOW432. Time involvement must total a minimum of 135 hours in the field. Satisfactory progress must be made toward competence in professional social work practice. Prerequisite: SOW432.

SOW434 • Social Work Field Instruction III  
(spring)  3 credits  
A continuation of SOW433. Time involvement must total a minimum of 135 hours in the field. Satisfactory progress in SOW432/433/434 indicates completion of students readiness to perform the role of a generalist social work practitioner. Must be taken concurrently with SOW433; SOW499. Prerequisite: SOW432.

SOW499 • Senior Integrative Seminar  
(spring)  3 credits  
Integration of generalist social work knowledge, values, and skills through ethics-based case studies; professional portfolio; and practice/program evaluation assignment applied to field practicum setting. Critical thinking, leadership, and scholarship emphasized. Must be taken concurrently with SOW433/434. Prerequisites: SOW405; SOW432.
## Major in Social Work (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW200Z*</td>
<td>Introduction to Helping Relationships</td>
<td>4</td>
</tr>
<tr>
<td>SOW250</td>
<td>Social Welfare in America</td>
<td>3</td>
</tr>
<tr>
<td>SOW304</td>
<td>Social Work Practice I</td>
<td>3</td>
</tr>
<tr>
<td>SOW305</td>
<td>Social Policy Practice</td>
<td>4</td>
</tr>
<tr>
<td>SOW313</td>
<td>Social Work Practice II</td>
<td>3</td>
</tr>
<tr>
<td>SOW330</td>
<td>Social Work Field Experience I</td>
<td>2</td>
</tr>
<tr>
<td>SOW331</td>
<td>Social Work Field Experience II</td>
<td>2</td>
</tr>
<tr>
<td>SOW351</td>
<td>Methods of Applied Social Research and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>SOW327G*</td>
<td>Social Relations: Issues of Power and Privilege in the U.S.</td>
<td>3</td>
</tr>
<tr>
<td>SOW304</td>
<td>Social Work Practice III</td>
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<td>SOW432</td>
<td>Social Work Field Instruction I</td>
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</tr>
<tr>
<td>SOW433</td>
<td>Social Work Field Instruction II</td>
<td>3</td>
</tr>
<tr>
<td>SOW434</td>
<td>Social Work Field Instruction III</td>
<td>3</td>
</tr>
<tr>
<td>SOW409</td>
<td>Senior Integrative Seminar</td>
<td>3</td>
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<tr>
<td>BIO103D*</td>
<td>Human Biology</td>
<td>4</td>
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<tr>
<td>ECO200</td>
<td>Economics of Public Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>POS100</td>
<td>American Politics and Government</td>
<td>3</td>
</tr>
<tr>
<td>PSY100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY203</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>SOC101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education.................................................................51-52**

**Electives.....................................................................................7-8**

**TOTAL 122**

* A student may also choose to use this course to meet a General Education requirement.

**Because of possible double counting between General Education and the major, more than 7 elective credits may be available.

Students planning on graduate school should choose MAT131M or PSY230M to satisfy the mathematics (M) course requirement.

## Minor in Social Welfare Studies

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
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<tr>
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<td>4</td>
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<tr>
<td>SOW351</td>
<td>Methods of Applied Social Research and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
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</tr>
<tr>
<td>ECO200</td>
<td>Economics of Public Policy Analysis</td>
<td></td>
</tr>
<tr>
<td>POS100</td>
<td>American Politics and Government</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>from introductory course in the social and behavioral sciences</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL 21**
FAMILY STUDIES
(See Family Studies section of the catalog.)

SOCIOLOGY
(See Department of Anthropology and Sociology.)

SPEECH COMMUNICATION
(See Department of Communication Studies.)
THEATRE ARTS

Theatre Arts prepares students to bring the “word” to life through purposeful relationships and to tell important life-changing stories. Incarnation is the heart of theatre, making the “word” become “flesh.” Effectively accomplished, theatre awakens the members of the audience to an awareness of their spiritual capability. A good story, powerfully conceived and well executed, forces the consideration of significant questions such as: Is this true? Could it be true? Am I like this? Could I be? Should I be?

The focus of the program is to provide artistic preparation and exploration for a broad range of individual interests—from those who desire to influence professional theatre to those who plan to use theatre in ministry or education. Within the liberal arts setting, the department also seeks to develop educated and artistically sensitive audience members capable of perceptively interacting with all manner of productions from a Christian worldview.

In order to accommodate specialized interests in theatre arts, the major is divided into three emphases: acting/directing, technical/design, and musical theatre. While integrating the Christian faith throughout each specialization, analysis and production of dramatic literature from ancient classics to modern experimental pieces enrich the study of theatre at Bethel University.

COURSES

THA100NA • Creative Performance
(fall, spring) 3 credits
Art of acting. Workshop experiences to develop personal creative talents through an exploration of performance techniques including movement, improvisation, and stage acting.

THA105 • Theatre Essentials
(spring) 1 credit
Exploration, both practical and theoretical, of theatre arts and of theatre as art. Topics include artistic integrity, the role of an artist in theatre, integration of faith and theatre arts, and building a portfolio/resume.

THA120A • Projects in Performance
(fall, spring, even # yrs) 1 credit
An individual project in backstage/technical work (set building, props, lights or costumes) or acting to be done in conjunction with the theatre productions being performed during current semester. Minimum of 30 hours. Class size depends on the needs for the individual performance. Prerequisite: Consent of department.

THA202A • Producing and Performing a Musical
(interim, odd # yrs) 3 credits
An intensive experience in the production and performance of a musical. Instruction and coaching in the unique art of musical theatre as well as direct involvement in all aspects of mounting a show according to a professional summer stock or repertory model. Prerequisite: Audition for and be cast in the show.

THA212 • Voice Production
(occasionally) 3 credits
A group-intensive laboratory designed to explore special topics in theatre. The art of using the voice. Key skills such as projection, articulation, vocal flexibility and vocal exercises designed to broaden and develop the vocal instrument. Prerequisite: THA100NA or consent of instructor; sophomore standing.

THA214 • Stage Combat
(occasionally) 3 credits
A group-intensive laboratory designed to explore special areas in theatre. Students will learn techniques of stage combat and movement including unarmed, quarterstaff and rapier. Prerequisite: THA100NA; consent of instructor; sophomore standing.
THA220, 320, 420 • Projects in Performance  
(fall, spring) 1 credit
An individual project in acting, stage-managing, or design to be done in conjunction with the theatre productions being performed during current semester. Maximum of 1 credit per area, per semester and 4 credits per four years. Prerequisite: Cast in a production or consent of department.

THA240 • Stagecraft  
(spring, odd # yrs) 4 credits
Techniques used to mount a theatre production through developing and adapting the skills and creative capabilities inherent in each student. Costuming, set construction, painting and dyeing, makeup, and lighting techniques. Prerequisite: GES125.

THA250 • Drama Ministry  
(fall, odd # yrs) 3 credits
Innovative theories, techniques, strategies, and their application to ministry situations. Experiences in creative dramatics, improvisation, story dramatization, original scripts, drama program development, and creative leadership to maximize the impact of the gospel, especially within the church setting. Prerequisite: THA100NA or the consent of instructor.

THA260 • Drama Ministry Tour  
(occasionally interim) 3 credits
Production and performance of a play that tours to a variety of settings including multicultural locations.

THA279 • Theatre and Culture: Classical to Modern  
(fall, odd # yrs) 4 credits
Dynamic interrelationship of theatre and culture, focusing on the correlations between a people’s worldview; their religious, philosophical, political, and aesthetic concerns; and their dramatic art as it was brought to life on the stages of their time. Theatrical activity of the classical, medieval, Renaissance, and neoclassical periods.

THA291L • Theatre in the Modern Age  
(spring, even # yrs) 3 credits
Theatre’s role as a reflector and instigator of cultural change during the modern period: religious, philosophical, political, social, and aesthetic. The theatrical “isms”: naturalism, realism, surrealism, symbolism, expressionism, and absurdism. Prerequisite: GES130 or GES145, 146.

THA302 • Producing and Performing a Musical  
(interim, odd # yrs) 3 credits
An intensive experience in the production and performance of a musical. Instruction and coaching in the unique art of musical theatre as well as direct involvement in all aspects of mounting a show according to a professional summer stock or repertory model. Prerequisites: Audition for and be cast in the show; THA202.

THA310 • Design for the Stage  
(spring, even # yrs) 4 credits
Principles of costume, scenery, and lighting design. Training in communicating design through figure drawing, drafting, rendering, and model making. Prerequisites: GES125; sophomore standing.

THA311 • Stage Dialects  
(occasionally) 3 credits
A group-intensive laboratory designed to explore special topics in theatre. Learn key skills needed to create believable stage dialects such as American Southern, Brooklynese, Standard British, Cockney, Irish, German. Develop performance skills using dialects. Prerequisite: THA100NA or consent of instructor; sophomore standing.

THA313 • Acting for the Camera  
(occasionally) 3 credits
A group intensive laboratory designed to explore special topics in theatre. Techniques utilized in acting for the camera. Work in scene study, character analysis and individual performance skills needed in acting for film. Prerequisite: THA100NA or consent of instructor; sophomore standing.

THA315 • Performing Shakespeare  
(spring, odd # yrs) 3 credits
The art of performing and acting Shakespeare. Basic key skills such as scansion and antithesis, and performance techniques needed to analyze and interpret Shakespearean text for performance. Group lab experiences and work with Shakespearean scenes and monologues. Prerequisites: THA100NA; junior or senior standing or THA350.
THA330 • Topics in Theatre Arts (occasionally) 3 credits
A group-intensive laboratory designed to explore special topics in theatre such as playwriting, character/tap dance, theatre for youth and children, and other topics depending on student interest. Students may interact with theatre professionals and develop individual performance skills. Prerequisite: Consent of instructor; sophomore standing.

THA350 • Advanced Acting (fall, even # yrs) 3 credits
Advanced work in scene study, character analysis, and individual performance skills. Prerequisite: THA100NA.

THA360 • Musical Theatre (spring, even # yrs) 3 credits
The identification and development of a singer-actor’s skills through classroom exercises and assignments utilizing the literature of musical theatre; process and value of group interaction and coaching. Includes various performances. Prerequisites: THA100NA or audition; sophomore standing.

THA405 • Directing (fall, even # yrs) 4 credits
Directing fundamentals including: blocking, characterization, how to find and secure rights, playscript interpretation, character analysis, organization and preparing budgets, director/actor and director/designer relationships. Development of a directoral perspective and process through play analysis and workshop experience. Prerequisites: THA100NA or THA291L; junior or senior standing.

THA410 • Theatrical Styles (spring, odd # yrs) 4 credits
Advanced study of various theatrical styles (Greek, Neoclassic, Elizabethan, Commedia, Antirealism, Experimental) from an acting/directing/design perspective. Analysis of acting, directing, and design theories and workshop exercises. Prerequisites: THA310; THA350 or THA360; THA405.

THA481 • Internship in Theatre (fall, interim, spring) 1-4 credits
Application of skills and knowledge to off-campus theatre situations. Internships may include church, community, professional, or summer stock theatre companies. Prerequisite: Major in theatre arts.

THA490 • Theatre Practicum (fall, interim, spring) 4 credits
A culminating theatre project intended to challenge the creativity and professional talents of the senior theatre arts major. Projects may include designing for a major production, performing an acting recital, directing a play, writing a script, or developing an experimental project. Prerequisites: Major in theatre arts; consent of department.
# Programs

## Major in Theatre Arts  
(Acting/Directing Emphasis) (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA100NA*</td>
<td>Creative Performance</td>
<td>3</td>
</tr>
<tr>
<td>THA105</td>
<td>Theatre Essentials</td>
<td>1</td>
</tr>
<tr>
<td>THA212</td>
<td>Voice Production</td>
<td>3</td>
</tr>
<tr>
<td>THA214</td>
<td>Stage Combat</td>
<td>3</td>
</tr>
<tr>
<td>THA240</td>
<td>Stagecraft</td>
<td>4</td>
</tr>
<tr>
<td>THA279</td>
<td>Theatre and Culture: Classical to Modern</td>
<td>4</td>
</tr>
<tr>
<td>THA291L*</td>
<td>Theatre in the Modern Age</td>
<td>3</td>
</tr>
<tr>
<td>THA310</td>
<td>Design for the Stage</td>
<td>4</td>
</tr>
<tr>
<td>THA330</td>
<td>Topics in Theatre Arts</td>
<td>3</td>
</tr>
<tr>
<td>THA315</td>
<td>Performing Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>THA350</td>
<td>Advanced Acting</td>
<td>3</td>
</tr>
<tr>
<td>THA405</td>
<td>Directing</td>
<td>4</td>
</tr>
<tr>
<td>THA410</td>
<td>Theatrical Styles</td>
<td>4</td>
</tr>
<tr>
<td>THA481/490</td>
<td>Internship in Theatre/Theatre Practicum</td>
<td>4</td>
</tr>
<tr>
<td>Choose from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THA311</td>
<td>Stage Dialects</td>
<td>3</td>
</tr>
<tr>
<td>THA313</td>
<td>Acting for the Camera</td>
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<tr>
<td>Choose from:</td>
<td></td>
<td>1</td>
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<tr>
<td>PEA114QA*</td>
<td>Jazz Dance</td>
<td></td>
</tr>
<tr>
<td>PEA115QA*</td>
<td>Ballet</td>
<td></td>
</tr>
</tbody>
</table>

* A student may also choose to use this course to meet a General Education requirement.

**Total Credit Hours: 122**

Additional Requirement:  
Students must participate in a minimum of six Bethel theatre productions. One of these experiences must include stage managing/assistant directing for at least one theatre production.
### Major in Theatre Arts  
(Technical/Design Emphasis) (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA100NA*</td>
<td>Creative Performance</td>
<td>3</td>
</tr>
<tr>
<td>THA105</td>
<td>Theatre Essentials</td>
<td>1</td>
</tr>
<tr>
<td>THA240</td>
<td>Stagecraft</td>
<td>4</td>
</tr>
<tr>
<td>THA279</td>
<td>Theatre and Culture: Classical to Modern</td>
<td>4</td>
</tr>
<tr>
<td>THA291L*</td>
<td>Theatre in the Modern Age</td>
<td>3</td>
</tr>
<tr>
<td>THA310</td>
<td>Design for the Stage</td>
<td>4</td>
</tr>
<tr>
<td>THA410</td>
<td>Theatrical Styles</td>
<td>4</td>
</tr>
<tr>
<td>THA481/490</td>
<td>Internship in Theatre/Theatre Practicum</td>
<td>4</td>
</tr>
<tr>
<td>ART100A*</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART101A*</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART103A*</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART210</td>
<td>Painting</td>
<td>4</td>
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</table>

Choose two from:  
- THA212 Voice Production  
- THA214 Stage Combat  
- THA311 Stage Dialects  
- THA313 Acting for the Camera  
- THA330 Topics in Theatre Arts  

Choose from:  
- ARH220 Art History—Ancient Through Medieval  
- ARH320 Art History—Renaissance Through Rococo  
- ARH345 Art History—Contemporary Art  

Choose from:  
- ART203 Drawing II  
- ART206 Sculpture  
- ART310 Painting II  

<table>
<thead>
<tr>
<th>General Education</th>
<th>51-52</th>
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<tbody>
<tr>
<td>Electives</td>
<td>17-18</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>122</td>
</tr>
</tbody>
</table>

* A student may also choose to use this course to meet a General Education requirement.

**Additional Requirement:**  
Students must participate in a minimum of six Bethel theatre productions. One of these experiences must include stage managing/assistant directing for at least one theatre production.

### Major in Theatre Arts  
(Musical Theatre Emphasis) (B.A.)

<table>
<thead>
<tr>
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<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA100NA*</td>
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<td>3</td>
</tr>
<tr>
<td>THA105</td>
<td>Theatre Essentials</td>
<td>1</td>
</tr>
<tr>
<td>THA202A*</td>
<td>Producing and Performing a Musical</td>
<td>3</td>
</tr>
<tr>
<td>THA212</td>
<td>Voice Production</td>
<td>3</td>
</tr>
<tr>
<td>THA240</td>
<td>Stagecraft</td>
<td>4</td>
</tr>
<tr>
<td>THA279</td>
<td>Theatre and Culture: Classical to Modern</td>
<td>4</td>
</tr>
<tr>
<td>THA291L*</td>
<td>Theatre in the Modern Age</td>
<td>3</td>
</tr>
<tr>
<td>THA350</td>
<td>Advanced Acting</td>
<td>3</td>
</tr>
</tbody>
</table>

--- continued on next page ---
--- continued from previous page ---

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>THA360</td>
<td>Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THA405</td>
<td>Directing</td>
<td>4</td>
</tr>
<tr>
<td>THA410</td>
<td>Theatrical Styles</td>
<td>4</td>
</tr>
<tr>
<td>THA481/490</td>
<td>Internship in Theatre/Theatre Practicum</td>
<td>4</td>
</tr>
<tr>
<td>MUL141A</td>
<td>Beginning Voice</td>
<td>1</td>
</tr>
<tr>
<td>MUL143A</td>
<td>Introduction to Keyboard Theory</td>
<td>1</td>
</tr>
<tr>
<td>MUL241</td>
<td>Intermediate Voice Class</td>
<td>1</td>
</tr>
<tr>
<td>MUL101</td>
<td>Music Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>MUL103</td>
<td>Introduction to Music Literature</td>
<td>2</td>
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<tr>
<td>MUS104</td>
<td>Music Theory I</td>
<td>3</td>
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<tr>
<td>PEA114QA</td>
<td>Jazz Dance</td>
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<tr>
<td>PEA115QA</td>
<td>Ballet</td>
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Choose two from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>THA214</td>
<td>Stage Combat</td>
</tr>
<tr>
<td>THA311</td>
<td>Stage Dialects</td>
</tr>
<tr>
<td>THA313</td>
<td>Acting for the Camera</td>
</tr>
<tr>
<td>THA330</td>
<td>Topics in Theatre Arts</td>
</tr>
</tbody>
</table>

**General Education**

51-52

**Electives**

17-18

**TOTAL** 122

* A student may also choose to use this course to meet a General Education requirement. 

Additional Requirement:

Students must participate in a minimum of six Bethel theatre productions. One of these experiences must include stage managing/assistant directing for at least one theatre production.

---

**Minor in Theatre Arts**

<table>
<thead>
<tr>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit</td>
</tr>
<tr>
<td>Hours</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>THA100NA</td>
<td>Creative Performance</td>
</tr>
<tr>
<td>THA105</td>
<td>Theatre Essentials</td>
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Choose from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA240</td>
<td>Stagecraft</td>
</tr>
<tr>
<td>THA310</td>
<td>Design for the Stage</td>
</tr>
</tbody>
</table>

Choose from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA279</td>
<td>Theatre and Culture: Classical to Modern</td>
</tr>
<tr>
<td>THA291L</td>
<td>Theatre in the Modern Age</td>
</tr>
</tbody>
</table>

Choose two from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA212</td>
<td>Voice Production</td>
</tr>
<tr>
<td>THA214</td>
<td>Stage Combat</td>
</tr>
<tr>
<td>THA311</td>
<td>Stage Dialects</td>
</tr>
<tr>
<td>THA313</td>
<td>Acting for the Camera</td>
</tr>
<tr>
<td>THA330</td>
<td>Topics in Theatre Arts</td>
</tr>
</tbody>
</table>

Electives from theatre arts courses

4

**TOTAL** 21-22

* A student may also choose to use this course to meet a General Education requirement.
The Youth Ministry program at Bethel is dedicated to developing leaders who have skills, training, and spiritual commitment for incarnational ministry to today's adolescents in a variety of cultural settings. In this program, students prepare for the professional field of youth ministry, including careers in church, camp, and parachurch ministries. Studies in youth ministry also prepare students for seminary or other graduate studies, and enrich the life and ministry of the church by equipping lay people with tools and skills for effective service as youth ministry volunteers.

**COURSES**

**YOM200 • Foundations of Ministry** *(fall)* 4 credits
Introduction to the theology and practice of Christian ministry. Presents a conceptual, theological, and biblical understanding of all ministry, lay and ordained. Opportunity to develop a usable, working philosophy of ministry and a model for critical thinking about the practice of ministry in the contemporary setting. Prerequisites: BIB101 (may be taken concurrently); sophomore standing.

**YOM210 • Adolescent Development in the Context of Family** *(spring)* 3 credits
Examination of adolescent development and family dynamics. Emphasis on understanding adolescent development in the cognitive, physical, psycho-social, and spiritual arenas, along with examining family development and family dynamics. Focus on application of practical youth ministry. Prerequisite: YOM200.

**YOM231 • Youth Ministry in an Urban Context** *(occasionally interim)* 3 credits
Experiential course designed to introduce the student to youth and youth ministry in an urban, multicultural context. Using an urban context as a lab, students study adolescents and ministry to adolescents in the inner city. Experiences include shelters for the homeless, urban religious life, and urban youth ministry centers as well as the cultural life of a major metropolitan center.

**YOM250 • Sophomore Practicum** *(fall)* 2 credits
Introduction to youth ministry through supervised participation in a church program. Emphasis on broad exposure to aspects of youth ministry and participation in selected activities coupled with reflection and discussion in a seminar setting. Self- and supervisor-evaluation of youth ministry as a career choice. Prerequisite: Must be taken in the same academic year as YOM200.

**YOM310 • Understanding Adolescent Cultures** *(fall, odd # years)* 3 credits
Investigation of culture and cultural dynamics with an emphasis on what culture is and how to analyze it. A study of the role of teenage youth as culture makers and culture bearers, and the dynamics of ministry in a youth cultural setting. Prerequisite: YOM210 or equivalent.

**YOM315 • Faith Development of Youth** *(spring)* 3 credits
Dynamics of spiritual development of youth. Emphasis on spiritual formation of both the minister and those to whom he or she ministers and the interrelatedness of these; evangelism and discipleship; counseling and referral. Prerequisite: YOM210 or equivalent.

**YOM320 • Organizational Issues in Youth Ministry** *(fall, even # years)* 3 credits
The organization of a ministry program for youth in a local church. Development of skills in the areas of personal and ministry organization including special emphasis on leadership, time management, volunteers, budgets, administration and legal issues, working with a pastoral staff and congregation, denominational issues, and identity. Prerequisite: YOM200.
YOM321 • Issues in Youth Ministry (spring) 3 credits
Theological and practical introduction to the application of biblical studies and social science research to issues confronting youth ministers. Review of exegetical methods and major research approaches as applied to investigation and analysis of significant contemporary problems in light of biblical, theological, and social science perspectives. Prerequisites: YOM200; YOM210; THE201; Interpreting Biblical Themes (J) course.

YOM340 • Teaching and Programming Skills in Youth Ministry (fall, even # yrs) 3 credits
Development of programs, curriculum, and strategies for communicating with youth including understanding youth needs, the use of small group teaching and activities, music and worship, and camps and retreats. Prerequisites: YOM200; YOM210.

YOM403 • Senior Practicum (fall) 3 credits
Placement in a church setting under the direct supervision of an experienced youth minister or senior pastor. Emphasis upon application of course work, participation in all aspects of youth ministry, self- and supervisor-evaluation of strengths and weaknesses. Prerequisites: Acceptance into youth ministry program; senior standing.

YOM404 • Senior Practicum (spring) 3 credits
Placement in a church setting under the direct supervision of an experienced youth minister or senior pastor. Emphasis upon application of course work, participation in all aspects of youth ministry, self- and supervisor-evaluation of strengths and weaknesses. Prerequisites: Acceptance into youth ministry program; senior standing.
# Programs

## Major in Youth Ministry (B.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>YOM200</td>
<td>Foundations of Ministry</td>
<td>4</td>
</tr>
<tr>
<td>YOM210</td>
<td>Adolescent Development in the Context of Family</td>
<td>3</td>
</tr>
<tr>
<td>YOM250</td>
<td>Sophomore Practicum</td>
<td>2</td>
</tr>
<tr>
<td>YOM310</td>
<td>Understanding Adolescent Cultures</td>
<td>3</td>
</tr>
<tr>
<td>YOM315</td>
<td>Faith Development of Youth</td>
<td>3</td>
</tr>
<tr>
<td>YOM320</td>
<td>Organizational Issues in Youth Ministry</td>
<td>3</td>
</tr>
<tr>
<td>YOM321</td>
<td>Issues in Youth Ministry</td>
<td>3</td>
</tr>
<tr>
<td>YOM340</td>
<td>Teaching and Programming Skills in Youth Ministry</td>
<td>3</td>
</tr>
<tr>
<td>YOM403</td>
<td>Senior Practicum</td>
<td>3</td>
</tr>
<tr>
<td>YOM404</td>
<td>Senior Practicum</td>
<td>3</td>
</tr>
<tr>
<td>BIB210</td>
<td>History of Israel</td>
<td>4</td>
</tr>
<tr>
<td>BIB217</td>
<td>Significance of the Old Testament for Today</td>
<td>3</td>
</tr>
<tr>
<td>BIB260</td>
<td>The Life and Teachings of Jesus</td>
<td>4</td>
</tr>
<tr>
<td>BIB265</td>
<td>The Life and Teachings of Paul</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose from:

- GES450P* Reconciliation in a Racialized Society
- SOC342G* Race, Ethnicity, and Peacemaking
- SOW327G* Social Relations: Issues of Power and Privilege in the U.S.

Choose from:

- REL225L* New Religious Movements
- THE235 Current Theological Controversies
- THE256L* Christian Apologetics
- THE263 Christian Social Ethics

Or any 300- or 400-level Bible or Theology course listed under the BTS major options.

Choose from:

- ANT305, 306 Intentional Urban Living I & II
- ANT381G* Urbanism: A Way of Life
- SCS229U* Interaction with Urban Life and Systems
- YOM231 Youth Ministry in an Urban Context

**Semester Credit Hours**

**General Education**

51-52

**Electives**

10-14

**TOTAL** 122

* A student may also choose to use this course to meet a General Education requirement.

## Program Admission Procedure

To be formally accepted into the youth ministry program, the student must:

1. Complete an application for admission to the youth ministry program. Application forms will be distributed at the beginning of the course YOM250 Sophomore Practicum.
2. Supply with the completed application: a) an essay, “Why I Am Choosing a Youth Ministry Major” and b) two letters of reference—one from a Bethel University faculty person outside the youth ministry program and a second from a pastor or other adult outside Bethel.

Application should be submitted by the end of the first month that a student is enrolled in YOM250. Acceptance to the program will be finalized by mid-term of the following semester. Periodic reviews during the period of application will inform the student of progress toward finalization, and the student may self-select out of the process at any time.
Admissions Procedures

To consider your application for admission, Bethel University must receive the following:

**New freshmen**

- Your completed and signed application form or completed online application ([cas.bethel.edu/admissions/application-details/](cas.bethel.edu/admissions/application-details/))
- The names of two references: an academic reference and a spiritual reference (non-relatives)
- An official transcript and class ranking from your high school
- List of courses currently in progress
- Your SAT, ACT, or PSAT scores
- Completed personal statement of faith

**PSEO students**

- Your completed and signed Bethel University PSEO application form or completed online application ([cas.bethel.edu/admissions/application-details/](cas.bethel.edu/admissions/application-details/)). Must be received in the Office of Admissions by April 1 of your junior year in high school.
- Your completed reference forms, filled out by your pastor or youth pastor and a school official (non-relatives). Must be received in the Office of Admissions by April 1.
- An official transcript and class ranking from your high school (through at least the middle of your junior year)
- Your ACT, SAT, or PSAT scores must be received before April 1.
- An interview if requested by the Office of Admissions

**Transfer students or nontraditional students**

- Your completed and signed application form or completed online application ([cas.bethel.edu/admissions/application-details/](cas.bethel.edu/admissions/application-details/))
- Completed personal statement of faith
- The names of two references: an academic reference and a spiritual reference. A name of an alternate reference (employer) may be used in place of an academic reference if you were not enrolled in school during the past year (non-relatives).
- Official transcripts from all colleges and/or universities you have attended
- Official high school transcript and class ranking are required if:
  - You have completed less than one year of college OR
  - Your cumulative college GPA is 3.2 or greater
- List of courses currently in progress

**International students**

- Your completed and signed application form by March 1
- Completed personal statement of faith
- The names of two references: an academic reference and a spiritual reference. A name of an alternate reference (employer) may be used in place of an academic reference if you were not enrolled in school during the past year (non-relatives).
- Official transcripts from your high school and all colleges and/or universities you have attended
- Your TOEFL scores
- A two-page writing sample that will be used for ESL evaluation*
- A copy of your current visa
- Your completed certificate of finances forms

*Students whose primary language is not English will be required to have an English language evaluation after applying for admission.
ADMISSIONS CALENDAR FOR NEW FRESHMEN AND TRANSFERS

Fall Term

Early Action Admission—November 1
- Application fee waived for those applications received on or before November 1.
- Admission decisions sent on or before December 15 to students who have completed their application file received by November 1.

Regular Admission
- The Office of Admissions will continue to accept and review applications throughout the winter as space allows.
- Admission notifications sent on a regular basis.
- The freshman class is usually filled by the spring of each year.

Confirmation of Enrollment—May 1
- It is important that admitted students save their spot in the incoming class by submitting a $200 enrollment deposit.
- The enrollment deposit and the housing deposit (for those students living in a Bethel residence hall) are refundable until May 1 of each year. Requests for refunds of the deposits must be received in writing by May 1. After May 1, neither deposit is refundable.
- Housing and course registration processes will begin after the enrollment deposit is received.

Spring Term

Regular Admission
- Application fee waived for those applications received on or before November 1.
- The Office of Admissions will begin reviewing applications and notifying students of admission decisions beginning October 1 and will continue as space allows.
- It is important for admitted students to save their spot in the incoming class by submitting a $200 enrollment deposit.
- Housing and course registration processes will begin after enrollment deposits are received.

ADMISSIONS CALENDAR FOR PSEO STUDENTS

Each year Bethel accepts students into the PSEO program for enrollment beginning in the fall term only. Here are the key deadlines you need to remember. Materials must be received in the Office of Admissions by these dates.
- April 1—Complete file deadline (Application, essays, references, transcripts, and test scores must be received in the Office of Admissions by this date.)
- May 15—Admissions decisions mailed
- June 1—PSEO admissions reply date
- June-August—PSEO class registration (Specific registration dates each year are mailed with the acceptance letter.)

Note: To be eligible for PSEO at Bethel University, all deadlines must be met. Bethel will not consider applicants after these deadlines for any reason.

Send all materials to:
Bethel University
Office of Admissions
3900 Bethel Drive
St. Paul, MN 55112-6999

If you have not yet received an application for admission, please call the Office of Admissions at 651.638.6242 (toll-free: 800.255.8706, ext. 6242).

You can also email us at BUadmissions-cas@bethel.edu.

Apply online or download an application by visiting the admissions website: cas.bethel.edu/admissions/.
The Board of Trustees reserves the right to change any financial charges or regulations listed in this catalog.

**STUDENT COSTS FOR 2009-10**

FT = full-time enrollment (12-18 credits per semester; 3-5 per interim)

PT = part-time enrollment (less than 12 credits per semester)

NR = not registered

<table>
<thead>
<tr>
<th><strong>TUITION:</strong></th>
<th>Fall ’09</th>
<th>Interim ’10</th>
<th>Spring ’10</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT Fall and FT Spring</td>
<td>$13,450</td>
<td>No charge (up to 5 credits)</td>
<td>$13,450</td>
</tr>
<tr>
<td>FT Fall, and PT Spring or NR</td>
<td>$13,450</td>
<td>$562.50/credit</td>
<td>$1,125/credit</td>
</tr>
<tr>
<td>PT Fall or NR, and FT Spring</td>
<td>$1,125/credit</td>
<td>$562.50/credit</td>
<td>$13,450</td>
</tr>
<tr>
<td>PT Fall or NR, and PT Spring or NR</td>
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<td>$1,125/credit</td>
<td>$1,125/credit</td>
</tr>
<tr>
<td>Interim Only</td>
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<td>$1,125/credit</td>
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</table>

**Off-Campus Programs**

Contact Office of International Studies

<table>
<thead>
<tr>
<th><strong>Teacher Licensure Rate</strong></th>
<th>Fall ’09</th>
<th>Interim ’10</th>
<th>Spring ’10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post-baccalaureate Rate (already have Bethel baccalaureate degree)</td>
<td>$715/credit</td>
<td>$715/credit</td>
<td>$715/credit</td>
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</table>

**2010 Summer School**

$445/credit

**2010 Summer School Audit**

$150/credit

<table>
<thead>
<tr>
<th><strong>ROOM (first-time residents in Bethel housing):</strong></th>
<th>Fall ’09</th>
<th>Interim ’10</th>
<th>Spring ’10</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Bethel Housing Fall, Spring, and Interim</td>
<td>$2,360</td>
<td>No Charge</td>
<td>$2,360</td>
</tr>
<tr>
<td>In Bethel Housing Fall and Interim</td>
<td>$2,360</td>
<td>$230</td>
<td>—</td>
</tr>
<tr>
<td>In Bethel Housing Spring and Interim</td>
<td>—</td>
<td>$230</td>
<td>$2,360</td>
</tr>
<tr>
<td>In Bethel Housing Interim Only</td>
<td>—</td>
<td>$460</td>
<td>—</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ROOM (second consecutive year in Bethel housing):</strong></th>
<th>Fall ’09</th>
<th>Interim ’10</th>
<th>Spring ’10</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Bethel Housing Fall, Spring, and Interim</td>
<td>$2,270</td>
<td>No Charge</td>
<td>$2,270</td>
</tr>
<tr>
<td>In Bethel Housing Fall and Interim</td>
<td>$2,270</td>
<td>$220</td>
<td>—</td>
</tr>
<tr>
<td>In Bethel Housing Spring and Interim</td>
<td>—</td>
<td>$220</td>
<td>$2,270</td>
</tr>
</tbody>
</table>
FINANCES

ROOM (third consecutive year in Bethel housing):

<table>
<thead>
<tr>
<th></th>
<th>Fall ’09</th>
<th>Interim ’10</th>
<th>Spring ’10</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Bethel Housing Fall,</td>
<td>$2,200</td>
<td>No Charge</td>
<td>$2,200</td>
</tr>
<tr>
<td>Spring, and Interim</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Bethel Housing Fall</td>
<td>$2,200</td>
<td>$215</td>
<td>—</td>
</tr>
<tr>
<td>and Interim</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Bethel Housing Spring</td>
<td>—</td>
<td>$215</td>
<td>$2,200</td>
</tr>
<tr>
<td>and Interim</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ROOM (fourth consecutive year in Bethel housing):

<table>
<thead>
<tr>
<th></th>
<th>Fall ’09</th>
<th>Interim ’10</th>
<th>Spring ’10</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Bethel Housing Fall,</td>
<td>$2,130</td>
<td>No Charge</td>
<td>$2,130</td>
</tr>
<tr>
<td>Spring, and Interim</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Bethel Housing Fall</td>
<td>$2,130</td>
<td>$210</td>
<td>—</td>
</tr>
<tr>
<td>and Interim</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Bethel Housing Spring</td>
<td>—</td>
<td>$210</td>
<td>$2,130</td>
</tr>
<tr>
<td>and Interim</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BOARD:

The description and prices of meal plan options will be posted as soon as they are available at: cas.bethel.edu/student_services/meal-plans.html. (Maximum amount is $3,200 per year.)

FEES:

<table>
<thead>
<tr>
<th></th>
<th>Fall ’09</th>
<th>Interim ’10</th>
<th>Spring ’10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bethel Student Association Fee</td>
<td>$60</td>
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<td>$60</td>
</tr>
<tr>
<td>Overload Fee*</td>
<td>$800/credit</td>
<td>$800/credit</td>
<td>$800/credit</td>
</tr>
<tr>
<td>Audit Fee</td>
<td>$210/credit</td>
<td>$210/credit</td>
<td>$210/credit</td>
</tr>
</tbody>
</table>

*M Overloads are not permitted during interim.

MUSIC INSTRUCTION

|                          |            |            |
|--------------------------|------------|
| ½ hour per week private lesson | $445 per semester |
| ¾ hour per week private lesson | $630 per semester |
| One hour per week private lesson | $805 per semester |
| Group voice lesson       | $315 per semester |

- Rental costs of instruments not owned by Bethel are charged to the student.
- Regular tuition is charged in addition to any special course fee if the music instruction is taken for credit.
- No refund is given after Friday of the second week of the semester for students who withdraw from private music instruction. Copies of the complete Refund Policy for Private Instruction are available from the Department of Music.
**SPECIAL FEES**

<table>
<thead>
<tr>
<th>Service</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit by Examination</td>
<td>$45 per credit</td>
</tr>
<tr>
<td>Enrollment Deposit (nonrefundable after May 1)</td>
<td>$200</td>
</tr>
<tr>
<td>Housing Deposit</td>
<td>$150</td>
</tr>
<tr>
<td>Nursing Lab Fee</td>
<td>$80</td>
</tr>
<tr>
<td>Nursing Testing Fee (Juniors)</td>
<td>$112.50</td>
</tr>
<tr>
<td>Nursing Testing Fee (Seniors)</td>
<td>$225</td>
</tr>
<tr>
<td>Science Lab Fee</td>
<td>$80</td>
</tr>
<tr>
<td>Official Transcript</td>
<td>$2 per copy</td>
</tr>
<tr>
<td>Late Registration/Late Course Change Fee</td>
<td>$30</td>
</tr>
<tr>
<td>Parking Permit</td>
<td>$75 per semester</td>
</tr>
<tr>
<td>Nursing Malpractice Insurance (juniors and seniors only)</td>
<td>$80</td>
</tr>
<tr>
<td>Additional Course Fees, indicated in registration materials</td>
<td>Amount varies</td>
</tr>
</tbody>
</table>

*Not required for Early Action Admission: November 1.*

**STUDENT ACTIVITY FEE**

A student activity fee is charged per semester to any student who is enrolled full time (12-18 credits per semester). The fee was established by the Bethel Student Association (BSA).

**OVERLOAD CREDIT FEE**

A per credit overload fee is charged for each enrolled credit over 18 credits in any semester. No overloads are permitted during interim. Note the eligibility requirements in the Academic Information section of this catalog.

**AUDIT FEE**

An audit fee is assessed only if a student is billed less than full time for the semester.

**PAYMENT OPTIONS**

**Full Payment**

Payment for fall semester is due on the day classes begin. Payment for spring semester is due on January 15. The final bill for both fall and spring semesters will include, but is not limited to, tuition, room, board, Bethel Student Association fee, course fees (if applicable), and parking permit charge (if applicable). A finance charge of 1 percent per month is assessed on any unpaid balance.

**Monthly Payment Plan**

Bethel University offers a monthly payment plan, which enables monthly installments without interest charges accruing. There is an enrollment fee to establish a payment plan. Information regarding the details of this payment option is available at [www.bethel.edu/business-office](http://www.bethel.edu/business-office).

Bethel University Business Office: 651.638.6208
Toll-free: 800.255.8706, ext. 6208

**Tuition Certificate Program**

Tuition Certificates are available by contacting the Business Office. The certificates are purchased at the current annual full-time tuition rate and are redeemable for payment of only tuition. The current annual full-time tuition rate will be in effect through February 1. Tuition Certificates purchased after February 1 will be priced at the current annual full-time rate for the following school year. Tuition Certificates are redeemable toward tuition up to seven years from the Tuition Certificate purchase date. If Tuition Certificates are not redeemed for tuition, the original purchase price of the Tuition Certificate will be refunded anytime up to eight years from the purchase date.
REGISTRATION HOLD
Registration for classes in succeeding terms is dependent on full payment of the previous term’s expenses. Students whose accounts are in arrears will have a registration hold on their account and will not be allowed to register for the subsequent term.

TRANSCRIPT HOLD
When payment has not been received, a transcript hold is placed on the student account. A transcript hold prevents an official transcript from being printed by the Office of the Registrar.

PAST DUE ACCOUNTS
Students who are not currently enrolled at Bethel and have account balances more than 60 days past due may be transferred to University Accounting Service (UAS). UAS is a collections service that offers payment plans for students not currently enrolled at Bethel. No student will be considered for re-admittance to Bethel who has an account balance with UAS.

ENROLLMENT DEPOSIT
A one-time enrollment deposit of $200 is required of all students. The deposit allows students to register for each succeeding semester, provided all financial obligations have been met.

Enrollment deposits are not required of students admitted on a special basis, including but not limited to, interim exchange students, summer school students, consortium visitors, or adult special students registered in a teacher licensure program.

HOUSING DEPOSIT
A one-time housing deposit of $150 is required of students occupying a Bethel housing facility during at least one full semester and interim.

FINANCE CHARGES
A finance charge of 1 percent per month is assessed on charges more than 30 days old.

OFF-CAMPUS PROGRAMS
Students participating in a Bethel-sponsored fall semester or spring semester off-campus program, who maintain their status as Bethel students, are considered full time for purposes of determining the cost of interim tuition. See the Office of Off-Campus Programs/International Studies for a list of Bethel-sponsored off-campus programs.

SUMMER SCHOOL
Summer school information is available in the Office of Academic Affairs or the Office of the Registrar.

POSTSECONDARY ENROLLMENT OPTIONS PROGRAM (PSEO)
Students participating in the PSEO program at Bethel are not responsible for tuition, books, activity fees, or course fees. These fees will appear on the student account and then be credited or removed. PSEO students are responsible for the following, including but not limited to, room, board, cable television charges (where available), parking permits (if applicable), and traffic fines (if applicable). Specific questions regarding the PSEO program should be directed to the Office of Admissions.

GRADUATION
No student will be issued an official transcript or receive their diploma until all financial obligations have been met.
REFUNDS
Students who withdraw from classes during the term may be eligible for a refund. There are two types of refunds: billing refunds (tuition, room, board, etc.) and financial aid refunds. A billing refund credits money to the student’s account, thereby decreasing the amount that is owed on the student account. A financial aid refund reduces the amount of financial aid available to pay the billing charges, thereby increasing the amount that is owed on the student account.

A student who withdraws from all classes at Bethel must notify the Office of Student Life to fill out a Withdrawal Clearance Form and schedule an exit interview with a dean.

BILLING REFUNDS
Tuition and Housing Refund Schedule for Fall and Spring Semester:

<table>
<thead>
<tr>
<th>Refund Period</th>
<th>Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Through the sixth business day</td>
<td>100 percent</td>
</tr>
<tr>
<td>Through Friday of the third week</td>
<td>75 percent</td>
</tr>
<tr>
<td>Through Friday of the fifth week</td>
<td>50 percent</td>
</tr>
<tr>
<td>Through Friday of the seventh week</td>
<td>25 percent</td>
</tr>
<tr>
<td>After Friday of the seventh week</td>
<td>No refund</td>
</tr>
</tbody>
</table>

Course fees are refunded in full through the sixth business day of the semester; thereafter there is no refund of course fees.

Students who withdraw from Bethel or drop below full-time status may incur additional tuition and housing costs for interim. Please see “Student Costs for 2009-2010” or contact the Bethel Business Office for additional information.

Refer to the interim and summer registration information for details regarding refund schedules.

Students with a meal plan who officially withdraw or choose to cancel their meal plan must contact the Office of Campus Services. A student may receive a prorated refund of their meal plan.

Financial Aid Refunds
There are four sources of financial aid: federal government (Title IV funds), state governments, Bethel University, and private third-party organizations (e.g., Dollars for Scholars). Financial aid is refunded in accordance with policies established by each entity. Refunds are first calculated for federal funds, then state funds, then Bethel/third-party funds.

Students who withdraw from all classes during the 100 percent tuition refund period are presumed to have not attended their classes. These students will receive a full refund of all their financial aid unless they complete a Supplemental Withdrawal Form (available in the Office of Student Life), documenting their attendance at each class. Upon receipt of the Supplemental Withdrawal Form, the federal financial aid refund policy will be calculated using the last date of class attendance as the official date of withdrawal. If students receive a full (100 percent) refund of tuition, they are ineligible for any state, institutional, or private sources of financial aid.

1. Federal (Return of Title IV Funds) Refund Policy. If a student withdraws or is expelled from Bethel after a term has begun, the school or the student may be required to return some of the federal funds awarded to the student. This “Return of Title IV Funds” policy is required by federal rules and went into effect at Bethel on July 1, 2000.

The federal formula requires a return of Title IV (federal) aid if the student received federal financial assistance in the form of a Pell Grant, Supplemental Educational Opportunity Grant, Academic Competitiveness Grant, SMART Grant, TEACH Grant, Perkins Loan, Stafford Loan, or PLUS Loan and withdrew on or before completing 60 percent of the term. The percentage of Title IV aid to be returned is equal to the number of days remaining in the term divided by the number of calendar days in the term. Scheduled breaks of more than four consecutive days are excluded.
2. **Minnesota Office of Higher Education (OHE) Financial Aid Refund Policy.** Bethel is required to use the OHE financial aid refund policy when calculating refunds for Achieve Scholarship, Minnesota GI Bill, Minnesota State Grants, and Minnesota SELF loans. After applying Bethel’s “billing refunds” and the “Return of Title IV Funds” refund calculations to the student’s account, a proportionate share of the state aid is refunded. Students retain funds earned through the Minnesota State Work Study Program prior to withdrawing from Bethel.

3. **Financial Aid Refunds for Institutional and Third-Party Funds.** After calculating the federal and Minnesota financial aid refund policies, Bethel reduces institutional and third-party sources of gift aid using the “tuition and housing refund schedule.” Institutional and third-party gift aid is reduced by the same percent as the student’s tuition was reduced.

**Sample refund calculation.** Because there are several different refund policies involved in most withdrawals, students may still owe money to the school after all calculations are completed. Students considering withdrawal are encouraged to visit a financial aid counselor and simulate the financial effect of withdrawing on a computer spreadsheet before officially withdrawing from the university.

Suppose a student is enrolled full time and withdraws from all classes on the 11th day (Thursday of the second week) of a 109-day semester. The student lived on campus and had a meal plan. Sample charges and financial aid are listed in the “original” columns below. After applying all the refund calculations, this student will receive a refund of $552.

### Sample Refund Calculation (After withdrawal on 11th day of classes)

<table>
<thead>
<tr>
<th>Institutional Charges</th>
<th>Original</th>
<th>Refund %</th>
<th>Refund $</th>
<th>Net Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$13,450</td>
<td>75%</td>
<td>($10,088)</td>
<td>$3,363</td>
</tr>
<tr>
<td>Room</td>
<td>$2,360</td>
<td>75%</td>
<td>($1,770)</td>
<td>$590</td>
</tr>
<tr>
<td>Class Fee (e.g., lab)</td>
<td>$50</td>
<td>0%</td>
<td>0</td>
<td>$50</td>
</tr>
<tr>
<td>Meal Plan</td>
<td>$1,600</td>
<td>Prorated 98/109 = 89.9%</td>
<td>$1,439</td>
<td>$161</td>
</tr>
<tr>
<td>Student Activity Fee</td>
<td>$55</td>
<td>0%</td>
<td>0</td>
<td>$55</td>
</tr>
<tr>
<td><strong>Total Charges</strong></td>
<td>$17,520</td>
<td></td>
<td>($13,296)</td>
<td>$4,224</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial Aid and Cash</th>
<th>Original</th>
<th>Refund %</th>
<th>Refund $</th>
<th>Net Payments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Stafford Loan</td>
<td>($2,750)</td>
<td>-100%</td>
<td>$2,750</td>
<td>$0</td>
</tr>
<tr>
<td>Federal Pell Grant</td>
<td>($1,750)</td>
<td>-74%</td>
<td>$1,296</td>
<td>($454)</td>
</tr>
<tr>
<td>Minnesota State Grant</td>
<td>($1,900)</td>
<td>-78%</td>
<td>$1,490</td>
<td>($410)</td>
</tr>
<tr>
<td>Minnesota SELF Loan</td>
<td>($750)</td>
<td>-78%</td>
<td>$588</td>
<td>($162)</td>
</tr>
<tr>
<td>Bethel Grant</td>
<td>($2,500)</td>
<td>-75%</td>
<td>$1,875</td>
<td>($625)</td>
</tr>
<tr>
<td>Private Scholarship</td>
<td>($500)</td>
<td>-75%</td>
<td>$375</td>
<td>($125)</td>
</tr>
<tr>
<td><strong>Sub-total</strong></td>
<td>($10,150)</td>
<td>-83%</td>
<td>$8,374</td>
<td>($1,776)</td>
</tr>
<tr>
<td>Cash Paid</td>
<td>($3,000)</td>
<td>0%</td>
<td>0</td>
<td>($3,000)</td>
</tr>
<tr>
<td><strong>Total Payments on Account</strong></td>
<td>($13,150)</td>
<td></td>
<td>$8,374</td>
<td>($4,776)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summary</th>
<th>Original Bill</th>
<th>Refund $</th>
<th>New Bill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Charges</td>
<td>$17,520</td>
<td>($13,296)</td>
<td>$4,224</td>
</tr>
<tr>
<td>Total Payments on Account</td>
<td>($13,150)</td>
<td>$8,374</td>
<td>($4,776)</td>
</tr>
<tr>
<td><strong>Difference</strong></td>
<td><strong>$4,370</strong></td>
<td><strong>($4,922)</strong></td>
<td><strong>($552)</strong></td>
</tr>
</tbody>
</table>

* Prior to withdrawal this student owed $4,370 on his/her Bethel account. After withdrawal this student will receive a refund of $552 from his/her Bethel account.
FINANCIAL AID

FINANCIAL AID GUIDELINES
We believe financial aid should provide assistance to those students who would not otherwise be able to attend college. Financial aid is also awarded to encourage the enrollment of students who have demonstrated high academic achievement, special talents, or a strong likelihood of success at Bethel. The following guidelines help us provide the best possible aid to those needing it:

1. The student’s family has primary responsibility for financing the education, and a student requesting financial aid is expected to contribute toward his or her own educational expenses. This self-help may be in the form of summer or school-year earnings or loans in any reasonable combination. Financial aid from the university and other sources will be viewed only as supplemental to support from the family.

2. Awards can consist of gift aid, loans, or employment. They are offered singly or in combination. Although the student is free to request a change in the award package, the final decision will be made by the university.

3. Students are encouraged to seek outside gift aid. (This includes church scholarships, matching grants, high school and community awards, national merit scholarships, etc.) When private scholarships are reported to the financial aid office, loan and/or work eligibility is reduced, if needed, to keep the student’s total aid package within federal need limits. Institutionally controlled grants and scholarships are reduced if total gift aid from all sources exceeds the tuition, room, and board fees paid to Bethel.

4. A student’s financial need is determined by an analysis of the information provided in the Free Application for Federal Student Aid (FAFSA). Consideration is given to elements that affect a family’s financial status, including current income, assets, number of dependents, other educational expenses, and retirement needs. A student’s financial aid will vary based on whether you choose to live in campus housing or off campus. We will provide the best need-based financial aid to students who live on campus.

5. All financial aid, excluding job earnings, is first credited to a student’s Bethel account. Only after all current Bethel charges are satisfied will surplus aid be disbursed to students for use in meeting other expenses.

6. Gift aid from federal, state, and Bethel programs is only available to undergraduate students who have not yet earned their first baccalaureate degree. Postbaccalaureate students taking undergraduate courses will not receive gift aid, but will be eligible for government loans if they are seeking licensure, certification, or a second type of bachelor’s degree (e.g., a student has a B.A. and is now seeking a B.S.).

FINANCIAL AID APPLICATION PROCEDURES
1. New students only: Complete the application process for admission to Bethel while you are applying for financial aid. A financial aid offer is made only after admission to Bethel has been granted. Students returning to Bethel after an absence of at least one full term must first be readmitted before financial aid is awarded.

2. Complete and submit the Bethel University Financial Aid Application form for the appropriate year. This application may be completed online at www.bethel.edu/finaid/application/.

3. Complete and submit the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA. The FAFSA may be completed online at www.Fafsa.ed.gov. Bethel’s FAFSA code number is 002338.

4. After your FAFSA is processed (one week for web version; three to four weeks for paper version) you will receive a Student Aid Report (SAR) from the government. Review the data on the SAR for accuracy. If you need to make corrections, follow the instructions on the SAR or contact a counselor in the Office of University Financial Aid at Bethel.

5. Students who are applying for independent status must prove their status with supporting documentation.

6. Financial aid applicants who are selected for verification must complete a Verification Worksheet and submit a signed copy of their own and their parents’ most recent federal tax returns (with schedules and W-2s) to the Office of University Financial Aid at Bethel. Bethel will notify students of any additional information that is needed in the verification process. Independent students selected for verification must also submit a signed copy of their own (and their spouse’s) most-recent federal tax return (with schedules and W-2s).
Bethel’s priority deadline for financial aid applications is April 15 of each year. Students who have completed and mailed all the necessary forms by that date will receive first consideration. Bethel will continue awarding financial aid funds to students who complete their applications after the priority deadline, but such students may receive diminished financial aid awards.

Awards are made for the entire academic year on the assumption that the student will continue to meet the standards for the award and remain eligible for the spring semester. Should a student’s status change, the university will review and adjust the award.

Each year, a returning student must submit a new need analysis statement before a new award will be made.

FINANCIAL AID SATISFACTORY ACADEMIC PROGRESS POLICY

Federal regulations require that all financial aid recipients progress at a reasonable rate (“make satisfactory progress”) toward achieving a certificate or degree. This requirement applies to all terms regardless of whether or not the student received financial aid. Progress is reviewed annually, after the spring semester. Progress is measured by the student’s cumulative grade point average, credits earned in relation to those attempted, and the maximum time frame allowed to complete the academic program.

1. Cumulative Grade Point Average: Students must have at least a 2.0 cumulative grade point average. This requirement is enforced at the end of spring term.

2. Cumulative credits earned: Each student must complete the minimum percentage of cumulative attempted credits as defined below:

<table>
<thead>
<tr>
<th>Cumulative Attempted Credits</th>
<th>Required Completion Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fewer than 60</td>
<td>60%</td>
</tr>
<tr>
<td>60 to 89</td>
<td>65%</td>
</tr>
<tr>
<td>90 and above</td>
<td>67%</td>
</tr>
</tbody>
</table>

3. Maximum time frame: Students must complete their degree in a maximum of 183 attempted hours (bachelor’s degree) or 92 attempted hours (associate’s degree). Students are no longer eligible to receive financial aid after they have reached these maximums. For example: If a student has already attempted 175 credits, the student will only be aided for up to 8 credits in the next term.

Earned credits, for purposes of this policy, are those in which the student earns a grade of A, A-, B+, B, B-, C+, C, C-, D+, D, or S. (Maximum allowable credits graded under the S option are defined by the registrar.)

Notes

Incomplete classes: Courses assigned an incomplete grade are included in the cumulative credits attempted. These cannot be used as credits earned until a satisfactory grade is assigned.

Withdrawals: Courses from which the student withdraws after the 100 percent refund period are included in the cumulative credits attempted.

Repeated classes: Repeated courses enable the student to achieve a higher cumulative grade point average. Credits attempted in repeated classes are included in the cumulative credits attempted. Credits earned in repeated classes are not included in the cumulative credits earned.

Transfer students: All transfer credits accepted by Bethel will be used in determining when the “maximum time frame” requirement has been reached. The student may, however, appeal to have only the credits accepted toward his or her Bethel degree included in the maximum time frame calculation. Transfer credits are also used when calculating the required completion percentage.

Second undergraduate degree students: Students who already have a baccalaureate degree are eligible for loans (not grants) if they are pursuing teacher licensure or a second degree (e.g., a student has a B.A. and is now seeking a B.S.). These students have up to an additional 183 attempted hours before exceeding the maximum time frame.

Financial Aid Probation and Termination

Students who do not meet the above standards of satisfactory progress at the end of the academic year (spring term) will automatically be placed on financial aid probation for the following
academic year. Financial aid may still be received during the probation period. At the end of the probation period, the student must again be making satisfactory academic progress as outlined above or financial aid will be terminated. Students will be removed from financial aid probation if they are again making satisfactory academic progress.

Appeals
Students who fail to meet satisfactory academic progress standards and lose financial aid eligibility can appeal this decision. The appeal must be made in writing and should be accompanied by appropriate supporting documentation. Appeals should be submitted to the Office of University Financial Aid and will be evaluated by a cross-departmental committee. Acceptable reasons for appeal include injury or illness of the student, illness or death of an immediate relative of the student, or other extenuating circumstances beyond the student’s control.

Reestablishing Financial Aid Eligibility
Students who have had their financial aid terminated due to lack of satisfactory academic progress may choose to enroll without benefit of financial aid. Such students may request a review of their academic record after any term in which they are enrolled without the receipt of financial aid to determine whether they have met the satisfactory academic progress standards. If the standards are met, financial aid eligibility is restored for subsequent terms of enrollment. Students should consult with a financial aid counselor in the Office of University Financial Aid if they have any questions about this policy, the appeal process, or reinstatement of financial aid eligibility.

FINANCIAL AID CRITERIA

Enrollment Level
Students are awarded financial aid on the assumption that they will maintain a full-time course load (unless otherwise indicated on the aid application). Those who take less than a full course load (or drop below full time during the semester) will have a diminished need and will receive less aid. Bethel scholarships and grants that are not based on need are awarded only to students who are full time.

Loan Exit Counseling
All Stafford and Perkins loan borrowers who graduate, withdraw, transfer to another school, or drop below half-time attendance must complete a loan exit session. During this session borrowers are informed of their rights and responsibilities, including repayment options for student loans.

Transfer Students
Transfer students will be considered for financial aid on the same basis as entering freshmen. Former students who have taken course work at another school and then return to Bethel will be considered for financial aid on the basis of their previous Bethel record.

Citizenship
Students who are not citizens or permanent residents of the United States will be considered for financial assistance on the basis of the Declaration of Finances form. In some cases a statement of financial status from the student’s pastor or pertinent information provided by a missionary will be necessary to help determine the possibility of coming to the United States. International students who do not qualify to apply for federal aid are eligible only for the academic scholarships, Canadian Student Grant, International Student Grant, and for Bethel-sponsored work. They are not eligible for federal or state-supported aid programs or for other grants from Bethel.

International Study Programs
Bethel has established a financial aid policy for students who study overseas or at another U.S. college or university as part of their Bethel programs. This policy may be obtained from the Office of Off-Campus Programs/International Studies, the Office of the Registrar, or the Office of University Financial Aid.

Changes in Financial Aid Programs
From time to time changes are made in the availability of scholarships, grants, loans, and departmental scholarships. We recommend that you go to www.bethel.edu/finaid/, or write directly to the Office of University Financial Aid for up-to-date information.
# Financial Aid Programs

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>AMOUNT</th>
<th>ELIGIBILITY</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bethel University National Merit Scholarship</td>
<td>$1,000 to $2,000</td>
<td>National Merit Scholarship Finalists who list Bethel as their first-choice school and are not awarded another form of the National Merit Scholarship.</td>
<td>Renewable. At least three awarded each year. Apply through the National Merit Scholarship Corporation.</td>
</tr>
<tr>
<td>President’s Scholarship</td>
<td>$10,000 to $15,000</td>
<td>Amount of awards for new students is based on a combination of high school rank, high school GPA, AP/IB classes, and test scores. Transfer students must also have maintained at least a 3.20 cumulative GPA at previous schools. Returning students retain the amount awarded when they first entered Bethel. Must be full time.</td>
<td>Renewable over four years by maintaining a 3.20 cumulative GPA. Not need-based.</td>
</tr>
<tr>
<td>Dean’s Scholarship</td>
<td>$5,000 to $9,999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty Scholarship</td>
<td>$2,000 to $4,999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royal Scholarship</td>
<td>up to $2,000</td>
<td>A legacy scholarship awarded to students with family member(s) who have previously attended Bethel University.</td>
<td>Renewable. Must be enrolled full time. Not need based.</td>
</tr>
<tr>
<td>Performance Scholarship</td>
<td>$1,000 to $4,000</td>
<td>Through audition with the appropriate department. Must be full time and maintain a 2.50 cumulative GPA.</td>
<td>Renewable. Contact music, theatre, art, or communication studies departments before February for eligibility and audition information. Not need-based.</td>
</tr>
<tr>
<td>Ministerial Scholarship</td>
<td>$1,000 or $1,200</td>
<td>Children of full-time ordained ministers or missionaries of the BGC ($1,200) or other denominations ($1,000). Dependent students only.</td>
<td>Student must be full time and maintain a 2.00 cumulative GPA. Not need-based. Renewable.</td>
</tr>
<tr>
<td>Travel Scholarship</td>
<td>up to $1,200</td>
<td>Full-time, dependent students from outside Minnesota or western Wisconsin.</td>
<td>Not need-based. Amount varies based on location. Grant is credited to tuition. Renewable.</td>
</tr>
<tr>
<td>Partnership Scholarship</td>
<td>up to $1,000</td>
<td>Dollar-for-dollar match of a church scholarship. The church must submit an agreement form and funds to Bethel by August 1.</td>
<td>Interested churches should request information about the Partnership Program. Not need-based. Students must be full time and meet other requirements. (See Partnership Program handbook.)</td>
</tr>
<tr>
<td>International Student Grant</td>
<td>up to $3,000</td>
<td>Citizens of countries other than the U.S. or Canada who have support to cover most but not all of their Bethel expenses. International students may also be considered for appropriate merit awards.</td>
<td>Apply through the Bethel Office of Admissions using the Certificate of Finances form.</td>
</tr>
<tr>
<td>PROGRAM</td>
<td>AMOUNT</td>
<td>ELIGIBILITY</td>
<td>COMMENTS</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Transfer Grant</td>
<td>$500 to $2,000</td>
<td>Awarded to a limited number of transfer students with at least one year of post-high school college experience. Must be full time and demonstrate need.</td>
<td>Amount varies each year depending on need, other gift aid, and campus housing.</td>
</tr>
<tr>
<td>Charles and Ellora Alliss Foundation Grant</td>
<td>$500 to $2,400</td>
<td>Students ranking in top 40 percent of class. Recipients must give permission for their data to be reported to the foundation.</td>
<td>Must demonstrate need.</td>
</tr>
<tr>
<td>Federal Supplemental Educational Opportunity Grant (SEOG)</td>
<td>$100 to $4,000</td>
<td>High-need students without adequate funding from other government grant programs.</td>
<td>Must demonstrate need.</td>
</tr>
<tr>
<td>Bethel Grant</td>
<td>up to $10,000</td>
<td>Students without adequate funding from other grants.</td>
<td>Must demonstrate need.</td>
</tr>
<tr>
<td>Bethel Opportunity Grant</td>
<td>up to $8,000</td>
<td>Targets under-served students, including students of color; first-generation students (neither parent earned an associate's degree or higher); or residents of economically disadvantaged communities.</td>
<td>Must be full-time, degree-seeking students. Renewable if full time and in good standing. Amount varies each year based on need and other gift aid. Must demonstrate need.</td>
</tr>
<tr>
<td>Bethel Campus Housing Grant</td>
<td>up to $1,000 per year</td>
<td>Students living in campus housing (includes Fountain Terrace) without adequate funding from other grants.</td>
<td>Must demonstrate need.</td>
</tr>
<tr>
<td>Federal Pell Grant</td>
<td>$400 to $4,310</td>
<td>Government entitlement program awarded to students with the highest need.</td>
<td>Apply using FAFSA.</td>
</tr>
<tr>
<td>Academic Competitiveness Grant</td>
<td>Maximum of $750 for first-year students; $1,300 for second-year students</td>
<td>Students must be U.S. citizen; Federal Pell Grant recipients; enrolled full time in a two-year or four-year degree program; and have graduated from high school with a “rigorous academic program” after January 1, 2006. Second-year students must have a cumulative GPA of at least 3.00.</td>
<td>Apply using FAFSA.</td>
</tr>
<tr>
<td>National Science and Mathematics Access to Retain Talent (SMART) Grant</td>
<td>Maximum of $4,000 per year for third- and fourth-year students</td>
<td>Students must be U.S. citizens; Federal Pell Grant recipients; and enrolled full time in an eligible four-year program (specific majors in computer science, engineering, foreign language, life sciences, mathematics, physical sciences, and technology). Students must have a cumulative GPA of at least 3.00.</td>
<td>Apply using FAFSA.</td>
</tr>
<tr>
<td>Phi Theta Kappa Scholarship</td>
<td>up to $1,000 per year</td>
<td>Merit-based scholarship awarded by Admissions Committee to transfer students. Recipients must have a minimum cumulative college GPA of 3.00 and membership in Phi Theta Kappa for at least one term. Students with Edgren Scholarships or baccalaurate degrees are not eligible.</td>
<td>Renewable with 3.00 cumulative GPA. Must be full time and in good standing. Not need based.</td>
</tr>
<tr>
<td>PROGRAM</td>
<td>AMOUNT</td>
<td>ELIGIBILITY</td>
<td>COMMENTS</td>
</tr>
<tr>
<td>-------------------------------</td>
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</tr>
<tr>
<td>Canadian Student Grant</td>
<td>up to $6,000 per year</td>
<td>Offered to help offset concerns with the exchange rate of the Canadian dollar. Recipients must be Canadian citizens living in Canada (not eligible for U.S. government aid) and enrolled full time. The Canadian Student Grant is offered in lieu of the Bethel Grant, International Student Grant, and the Bethel Opportunity Grant.</td>
<td>Renewable for up to three additional years if full time without a bachelor’s degree.</td>
</tr>
<tr>
<td>Minnesota State Grant</td>
<td>$100 to $8,661 (in 2008-09)</td>
<td>Awarded by the State of Minnesota to residents who demonstrate sufficient need.</td>
<td>Must take 15 credits per term to receive full-time grant amount. Lesser credit load will cause a reduced award.</td>
</tr>
<tr>
<td>Departmental Scholarships</td>
<td>up to $6,000</td>
<td>Current Bethel students upon the recommendation of Bethel faculty members.</td>
<td>Both need-based and no-need scholarships are available. Awarded in spring for the coming academic year. Apply separately by the beginning of spring term. See current Bethel College of Arts &amp; Sciences catalog for scholarship descriptions.</td>
</tr>
<tr>
<td>Federal Perkins Loan</td>
<td>$100 to $3,000 per year, up to $15,000 cumulative maximum</td>
<td>Students must demonstrate need. Typically, qualifying freshmen receive up to $2,000 and sophomores up to $1,000.</td>
<td>Federal government pays the interest until repayment begins nine months after student graduates, withdraws, or drops below half time. Five percent interest with up to 10 years for repayment.</td>
</tr>
</tbody>
</table>

**PROGRAM AMOUNT ELIGIBILITY COMMENTS**

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>AMOUNT</th>
<th>ELIGIBILITY</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subsidized Federal Stafford Student Loan</td>
<td>Annual Stafford Loan Limits for Direct Subsidized and Direct Unsubsidized Loans</td>
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<td></td>
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<tr>
<td><strong>Dependent Undergraduate:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshman:</td>
<td>$5,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>($3,500 subsidized),</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Sophomore:</td>
<td>$6,500</td>
<td></td>
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<tr>
<td>($4,500 subsidized),</td>
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<tr>
<td>Junior and above:</td>
<td>$7,500</td>
<td></td>
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<tr>
<td>($5,500 subsidized),</td>
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<tr>
<td><strong>Dependent Graduate/Professional:</strong></td>
<td></td>
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<tr>
<td>NA</td>
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<tr>
<td><strong>Independent Undergraduate:</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Freshman:</td>
<td>$9,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>($3,500 subsidized),</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Sophomore:</td>
<td>$10,500</td>
<td></td>
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<tr>
<td>($4,500 subsidized),</td>
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<tr>
<td>Junior and above:</td>
<td>$12,500</td>
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<tr>
<td>($5,500 subsidized),</td>
<td></td>
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</tr>
<tr>
<td><strong>Independent Graduate/Professional:</strong></td>
<td></td>
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</tr>
<tr>
<td>NA</td>
<td>$20,500 ($8,500 subsidized)</td>
<td></td>
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</tr>
</tbody>
</table>

Beginning with the 2009-2010 year, students borrow their Federal Stafford loans through the William Ford Direct Loan Program (Direct Loan). Interest rates are fixed: 6.8% for unsubsidized, 5.6% for subsidized undergraduate loans borrowed in 2009-10. Repayment begins six months after students graduate or drop below half time. The government pays the interest on subsidized loans while students are enrolled at least half time.
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>AMOUNT</th>
<th>ELIGIBILITY</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal PLUS Loan</td>
<td>Cost of attendance minus other aid</td>
<td>Parent of dependent students.</td>
<td>Loans disbursed on or after July 1, 2009, have a fixed 7.9 percent interest rate. Repayment of principal and interest begins 60 days after loan is fully disbursed.</td>
</tr>
<tr>
<td>Supplemental Education Loan Fund (SELF)</td>
<td>up to $7,500, $25,000 cumulative maximum</td>
<td>Generally available to students who cannot borrow sufficient funds from other student loans. Before applying for a SELF loan, the student must apply for and exhaust all eligibility for other forms of financial aid.</td>
<td>Variable interest rate. Go to <a href="http://www.selfloan.org">www.selfloan.org</a> for current rates and terms.</td>
</tr>
<tr>
<td>Private Student Loans</td>
<td>Cost of attendance minus other aid</td>
<td>Variable interest rates. Repayment generally begins after students graduate. Students responsible for interest while enrolled.</td>
<td>Fees and interest rates vary depending on lender and credit check. Co-signer required by some lenders. See website for details: <a href="http://www.bethel.edu/finaid/cas/loans/private">www.bethel.edu/finaid/cas/loans/private</a></td>
</tr>
<tr>
<td>Emergency Loan</td>
<td>up to $500</td>
<td>Any currently enrolled Bethel student, for qualifying emergencies.</td>
<td>Must be repaid in 60 days. Service charge of $1 per $100 each month.</td>
</tr>
<tr>
<td>Federal College Work Study</td>
<td>Varies, average equals $1,200 to $2,200</td>
<td>Students demonstrating financial need.</td>
<td>Students usually work 6-15 hours per week in this federal program.</td>
</tr>
<tr>
<td>Minnesota Work Study</td>
<td>Varies, average equals $1,200 to $2,200</td>
<td>Students demonstrating financial need.</td>
<td>Students usually work 6-15 hours per week in this state program.</td>
</tr>
<tr>
<td>Bethel Campus Employment</td>
<td>Varies</td>
<td>Any Bethel student.</td>
<td>Students usually work 6-15 hours per week.</td>
</tr>
<tr>
<td>Assistantships (TAs)</td>
<td>Varies</td>
<td>Upperclass students who excel in their majors or who have special skills useful to an academic department. May be hired to assist faculty members.</td>
<td>Contact department chair.</td>
</tr>
</tbody>
</table>
Departmental Scholarships
(Special Awards)

These departmental scholarships are given to students in the spring of the year to be applied toward the coming school year. Students are selected by the faculty and the Financial Aid Committee. Applications are distributed by the Office of University Financial Aid each fall. Further information may be obtained from the Office of University Financial Aid.

Abens Family Scholarship
This scholarship is given annually to a student majoring in biblical and theological studies or youth ministry who wishes to be effective as a lay person in a profession of his or her choice. The recipient must be at least a junior, maintain at least a 3.0 GPA, and be recommended by the major professor. This is not a need-based scholarship. (EAA002)

Accounting and Business Encouragement Scholarship
This scholarship is given to an upperclassman of good scholastic standing who exhibits a strong Christian commitment, without regard to financial need, and who is majoring in business, economics, or accounting. (EAA004)

Theodore J. Adams Memorial Scholarship
This award is a memorial to Theodore Adams—a business entrepreneur whose strength of faith and character were evident in all he did and in the relationships on which his family and business were built. College of Arts & Sciences students in financial need are eligible. (641222)

Anderson-McJunkin Family Scholarship
This scholarship is awarded to students in need of financial assistance for their undergraduate education who have demonstrated a commitment to spiritual growth and community service. (EAA006)

Anna Anderson Memorial Scholarship
An annual scholarship is given from the estate of Anna Anderson of Topeka, Kans., to a student of good scholastic standing who evidences leadership in campus activities. (EAA008)

B. Laverne Anderson Memorial Scholarship
This scholarship is given in memory of Laverne Anderson to children of Converge Worldwide (BGC) missionaries who are attending Bethel University. (EAA011)

Charlotte Anderson Nursing Scholarship
This scholarship is awarded to nursing majors who demonstrate financial need. (EAA009)

Dr. and Mrs. Karl W. Anderson Memorial Scholarship
This scholarship is established in memory of Dr. and Mrs. Karl W. Anderson and is awarded to pre-medical students at Bethel University. (EAA010)

Thomas K. Anderson Memorial Scholarship
Established in memory of Thomas Kirk Anderson (C73) by his family, this scholarship is awarded to business majors, based upon financial need, with preference for one female and one male recipient annually. (EAA012)

Anthropology/Sociology Endowment
This scholarship is awarded to a student majoring in one of the Department of Anthropology and Sociology programs. Criteria: sophomore or junior standing; strong academic achievement in the department; participation in departmental activities; and potential for Christian achievement and service after graduation. Normally one student per year will be awarded this scholarship. No student will be eligible to receive the award more than once. (651001)

J. O. and Clara M. Backlund Memorial Scholarship
This scholarship was established by Linnea M. Backlund in memory of her parents, J. O. and Clara M. Backlund. This scholarship is awarded to undergraduate students selected by the scholarship committee. (EAB015)

Reverend William G. and Ruth J. Backlund Memorial Scholarship
This scholarship is awarded to a deserving student making acceptable academic and career preparation progress while exhibiting a high level of Christian character and leadership. (EAB016)

August F. and Ella M. Becker Memorial Scholarship
This scholarship is given in memory of August and Ella Becker to undergraduate students who are actively growing and maturing in their walk and commitment to Jesus Christ. Preference is given to students (a) from small communities in the Dakotas and Nebraska, or (b) who are active members of a Baptist church (or churches with doctrines, ordinances, and practices similar to Baptist). (EAB018)

Lawrence and Audrey Berglund Scholarship
These scholarships are given annually to qualified students who demonstrate both academic achievement and financial need. (EAB019)
DEPARTMENTAL SCHOLARSHIPS

Violet Bergquist Spanish Scholarship
This scholarship is awarded to a Spanish major who will teach Spanish or will use it in missionary work in a Spanish-speaking country. (EAB020)

Margo Bergstrom Memorial Scholarship
This award is given through the Temple Baptist Church of Portland, Ore. Usually it is given to a student who demonstrates financial need, is from the church’s congregation, and is recommended by Temple Baptist Church. On occasion, it may be given to a student from elsewhere. (EAB002)

Terence W. Berntson Scholarship
In memory of Bethel alumnus Terence W. Berntson (C'76), this scholarship is given to worthwhile Bethel students in the College of Arts & Sciences who demonstrate financial need and who are studying anthropology, French, or history. (EAB022)

Hazel and George Berquist Memorial Scholarship
This scholarship is provided in memory of this loving, generous couple to provide assistance to undergraduate and seminary students from the Midwestern states of the United States (excluding Minnesota). The students must be members of a Converge Worldwide (BGC) church who demonstrate financial need. (EAB021)

Bethel University Golf Scholarship
Earnings from this fund raised through the annual “Bethel Golf Classic” fundraising event are awarded to a student who demonstrates financial need regardless of his or her major. (EAG069)

Donald C. and Jo G. Bishop Scholarship Fund
Several $1,000 scholarships are awarded to business and economics majors and/or students in summer missions or interim assignments. They are only for returning students. (EAB024)

David M. and Sadie L. Blomberg Scholarship
This scholarship provides an annual award of $500 to all students enrolled from the Moraine Valley Baptist Church in Illinois, the Sawyer Highlands Baptist Church in Michigan, and the Oak Community Church in Illinois. It may also provide awards for qualifying students from the Midwest Baptist Conference of the BGC. (EAB031)

David M. and Sadie L. Blomberg Missionary Scholarship Fund
In recognition of the important contribution students from missionary families make to Bethel University, the Blomberg Missionary Scholarship Fund provides an annual award of at least $200 to all Bethel University students who are children of missionaries and spent the majority of their high school years outside of the United States. This award is made without regard to financial need. (EAB031)

Merilyn Blomgren Memorial Scholarship
An annual scholarship established in memory of Merilyn Blomgren by her family and friends is awarded to a student who demonstrates academic achievement. (EAB025)

Gust and Dagny Bohlin Memorial Education Scholarship
This scholarship is awarded in memory of Gust and Dagny Bohlin to Bethel University students who demonstrate financial need and who are preparing to become teachers. (EAB023)

Mable Elsie and Ernest Eugene Bonar Voice Scholarship
This scholarship has been established by Alson Toavs in memory of his maternal grandfather and grandmother. It is awarded to a junior or senior vocal major to assist with the cost of lessons. (EAB026)

Ray I. and Genevieve Brace Scholarship
An annual scholarship is given to a student already accepted into medical school. It may also be given to a student who by all indications will be accepted into medical school. The funds are to be used toward Bethel tuition and fees. (EAB030)

Ralph and Marie Brushaber Memorial Scholarship
These awards are given to students in the band who show high promise of future leadership and service and who give evidence of vital faith in Jesus Christ. The students must also demonstrate financial need. (EAB027, EAB032)

Rev. C. Walter and Jeanette Bunger Scholarship for Innovation
This award is given in honor of Rev. C. Walter and Jeanette Bunger. Walter, a BGC minister, taught his son to question life and be objective—creating in him a spirit of inquisitiveness and innovation. The recipients of this award will be those who are inquisitive and demonstrate a capacity for innovation to promote research-mindedness and objective thinking. It is not limited to any particular discipline; majors may be in the arts, sciences, theology, or other academic majors. (641221)

Barbara Burton Memorial Scholarship
This annual scholarship is given in loving memory of Barbara Burton’s life by her friends and family to the top senior chemistry major, regardless of financial need. (EAB028)

Edith and James Calhoun Memorial Scholarship
These scholarships are available to reduce loan debt for Bethel University students who are preparing for missionary service. (EAC033)

Bert H. Carlson Memorial Scholarship
Scholarships in the amount of $1,500 are given annually to qualified history or political science majors who demonstrate both academic achievement and financial need. The scholarship is given out of Bert Carlson’s love for Bethel and his desire that students grow intellectually and spiritually. (EAC034)
The Rev. and Mrs. C.A. Carlson Memorial Scholarships
This scholarship is awarded to undergraduate students chosen by the scholarship committee. (EAC035)

C. Emanuel Carlson Memorial Scholarship
An annual scholarship has been established as a memorial to the life and work of Dr. Emanuel Carlson—dean of Bethel College from 1945 to 1954, professor of history and political science at Bethel Academy and College from 1928 to 1954, and executive secretary of the Baptist Joint Committee on Public Affairs from 1954 to 1971—and as an encouragement to worthy students to pursue academic excellence in service to God and mankind. (EAC036)

Dorothy Christison Memorial Nursing Scholarship
This scholarship was established by the estate of Dorothy Christison for the purpose of funding a scholarship for qualified persons enrolled in the nursing program at Bethel University. (EAC041)

Karen & Don Ciske Nursing Scholarship
The fund was established in memory of Cleo Atkinson, mother of retired Bethel nursing professor Karen Ciske. This scholarship is awarded to worthy students in the College of Arts & Sciences who demonstrate financial need and who are enrolled in the Department of Nursing.

Class of '58 Scholarship Fund
This award is presented on behalf of the Class of 1958 as an outward display of their loyalty, interest in educating young people, and their continued devotion to the cause of Christ. An award is given to students of the College of Arts & Sciences who display financial need. (EAC042)

Class of '64 Scholarship
This award is presented on behalf of the members of the Bethel University Class of '64 to an upperclass student (sophomore to senior) who has demonstrated scholarship excellence, leadership excellence, Christian service involvement, and a financial need. The student selection is made by the Bethel Scholarship Committee. (EAC043)

Class of '76 Award
The Class of '76 presents this annual award to a chemistry student who models Christian commitment, integrity, academic excellence, perseverance, a positive spirit, and mutual support. (EAC044)

Coca-Cola and Bethel Campus Store Scholarship
This scholarship was established by The Coca-Cola Company and the Bethel Campus Store. It is awarded to a student with financial need who comes from a single-parent family. (EAC046)

Communication Scholarship
This annual scholarship was established to encourage communication majors. It is awarded to two seniors majoring in communication, regardless of their need. (EAC179)

Community Life Scholarship
An annual scholarship is awarded to students who have contributed significantly to the campus through planning and participating in activities to strengthen campus spiritual life. (EAC167)

Royden S. and Fern M. Dane Memorial Scholarship
This scholarship was given in memory of Royden S. and Fern M. Dane and financed by their estate. The Dane Fund is to supply one or more scholarships for eligible students. (EAD047)

Walter H. and Lydia Deubener Memorial Scholarships
This scholarship is awarded to undergraduate students selected by the scholarship committee. (EAD048)

Lillian Devine Memorial Biblical and Theological Studies Scholarship
This scholarship is to be given annually to deserving junior and senior students of good scholarship demonstrating interest and proficiency in biblical and theological studies who are preparing for full-time Christian work. (EAD049)

Dwyer Nursing Endowment
In recognition of William and Ruth Dwyer's interest in encouraging nursing as a professional career and through gifts from the Banner Health System, this fund awards worthy students who are pursuing a career in nursing. First preference is given to incoming students, then to continuing students. (EAD050)

Donald A. and Nadine F. Dye Scholarship
Awarded in honor of Donald and Nadine Dye to students with financial need who regularly attend a church of Converge Worldwide (BGC). (EAD051)

Esther V. Eastlund Memorial Scholarship
Each year a scholarship is given from the estate of Esther V. Eastlund to a worthy student studying for the ministry or for missionary work. (EAE051)

Sagrid E. Edman Undergraduate Nursing Scholarship
Established in honor of Dr. Edman, founding chair of the Bethel University nursing program in 1981 and chair of the Department of Nursing until her retirement in 1997, the fund assists worthy nursing students in the undergraduate nursing program. Selected by the nursing faculty, recipients are seniors who best exemplify excellence in clinical nursing practice, Christian care, and compassion, and who demonstrate leadership potential and rank high academically. (EAE052)
Edwall Music Memorial Scholarship
A scholarship is awarded to a music major who is majoring in either voice or instrumental and who demonstrates financial need. (EAE053)

Elementary Education Encouragement Scholarship
This scholarship is given to an upperclassman who is majoring in elementary education without regard to financial need. The recipient must be in good scholastic standing and exhibit a strong Christian commitment. (EAE054)

Reuben and Ethel Englund Memorial Scholarship
A scholarship is given annually in memory of Mr. and Mrs. Englund by their children. The recipient is to be a musician, with preference given to a string performer. (EAE056)

Amy M. Erickson Memorial Scholarships
These scholarships are given in memory of Amy M. Erickson to undergraduate students selected by the scholarship committee. (EAE057)

Dorothy Erickson Memorial Scholarship
This scholarship is awarded to an undergraduate student selected by the scholarship committee who demonstrates financial need. (EAE058)

Fair Family Scholarship
The Fair Family Scholarship is awarded in recognition of Christian stewardship to a full-time college sophomore whose cumulative GPA is 3.0 or higher and who demonstrates active involvement in church activities. Preference is given to pre-seminarians pursuing a vocation in the pastorate, missions, or youth ministries. The scholarship is renewable for up to two years provided the student maintains a cumulative GPA of 3.0 or higher. (EAF060)

David Maynard Frost Scholarship
The fund makes awards to students from single-family homes who demonstrate financial need, with preference given to dependents of widows and widowers. Awards of $1,000 may be renewed for students maintaining a cumulative GPA of 3.0 or higher. (EAF066)

Garven Family Fund Scholarship
This scholarship fund, established by David and Gayle Garven, provides three student scholarships. The Family Fund provides an award of $1,000 each to an incoming freshman, a provisional student, and an incoming minority student. The Jeffrey D. Garven Memorial Fund provides an award of $1,000 to a male sophomore or junior who has shown signs of spiritual maturity at Bethel and who places a high priority on Christian growth. First priority would go to a student from Minnetonka High School or a lacrosse player. (EAG063, EAG064, EAG065)

Geis Family Scholarship
Two scholarships are awarded to full-time Bethel University students who show high promise of future leadership and service and exhibit evidence of a strong Christian faith. Each recipient must be at least a sophomore in the year the scholarship is received and must have at least a 3.0 cumulative GPA unless other outstanding attributes are considered worthy of making an exception to this criterion. The scholarship is renewable provided the recipient meets the scholarship criteria and is making satisfactory progress toward graduation. (EAG003)

Bonnie E. Goodwin Memorial Scholarship
This scholarship is given to honor the memory of Bonnie Goodwin and to assist undergraduate students in great financial need. (EAG070)

Lester R. and Esther M. Granlund Encouragement Scholarship
This scholarship is awarded to a junior or senior of good scholastic standing with strong Christian commitment, regardless of financial need. (EAG071)

Gloria Grayum Nursing Scholarship
This scholarship is awarded to a nursing student who is preparing for mental health service, is in need of financial assistance, and has a GPA of 2.5 or above. (EAG072)

Gruetz Physics Scholarship
Recipients of this scholarship are selected by the faculty of the Department of Physics and must be enrolled in a calculus-based physics or pre-engineering program at Bethel. Candidates must also be involved in at least one extracurricular activity that is NOT directly connected to physics, mathematics, or computers (e.g., performing arts, athletics, service projects, etc.). Up to three scholarships are awarded each year. (EAG073)

Charles and Marilyn Gustafson Nursing Scholarship
This annual scholarship is awarded to a deserving nursing student. (EAG075)

J. Alfred Gustafson Memorial Scholarship
An annual award is given from the estate of Mabel T. Danielson, J. Alfred Gustafson’s daughter, as an encouragement to a worthy student. (EAG074)

Margaret-Rose Guthrie Memorial Scholarship
This is an annual scholarship established in memory of Margaret-Rose Guthrie by family and friends. The recipient will be at least a junior who demonstrates scholastic ability, expresses an interest in service to others (not necessarily in a Christian field), and is a member of a Baptist affiliation. (EAG076)

Sara Haile-Selassie Scholarship
In recognition of a woman of color who overcame great difficulties in coming to America and then pursuing with excellence an education in the sciences at Bethel, this scholarship will be awarded to students of color and international students at Bethel University who are pursuing a degree in the sciences. (EAH077)
Truman and Verna Halvorsen Scholarship
This scholarship is awarded to students who are preparing for careers in Christian ministry or education, have at least a 3.0 GPA, and demonstrate financial need. (EAH078)

Ralph E. and Mary J. Hammond Scholarship
As an example of their commitment and generosity to serve both the College of Arts & Sciences and the seminary, Professor Mary Hammond and her late husband, Professor Ralph Hammond, gave this scholarship to assist students in financial need at both schools. Previously two separate scholarships, this is awarded to College of Arts & Science students in even years and seminary students in odd years. (EAH001)

Irene Hanwell Memorial Scholarship
This annual scholarship is given in memory of Irene Hanwell by Mrs. Millie Hanwell to a student whose life exemplifies a sincere Christian commitment and who demonstrates financial need. (EAH081)

Irene Hanwell Memorial Nursing Scholarships
Two annual scholarships are given from the estate of Irene Hanwell to nursing students preparing for Christian mission service who demonstrate financial need. (EAH080)

Leonard and Doris Hasselblad Memorial Scholarship
This award is given by the family of Leonard O. Hasselblad of San Jose, Calif., to perpetuate his long-standing relationship with Bethel University and to further his desire to help young people secure an evangelical Christian education. (EAH082)

William Randolph Hearst Endowed Scholarship Fund
This scholarship has been funded by the Hearst Foundation with the intention of providing scholarship funds for students with financial need who intend to reside in the United States after completing their studies. (EAH085, EAH086)

Graydon Held Memorial Scholarship
An annual scholarship is granted to a qualified student demonstrating an interest and proficiency in business education and meeting established criteria of need and achievement. This award is given in honor of Graydon Held, who served as comptroller at Bethel University from 1968 until his death in 1978. (EAH083)

Sheloa Hanson Hillman Memorial Scholarship
Two scholarships are given in memory of Sheloa Hanson Hillman, a 1974 graduate of Bethel University, by her family and friends. These scholarships are awarded annually to two female students who intend to coach a sport following their college education, with preference given to those in the teaching field. (EAH084)

Edith Holm Scholarship Fund
This scholarship, from the estate of Edith Holm, is for students who demonstrate financial need and who have shown initiative in earning a portion of their college expenses. Students must also have high academic standing and demonstrate Christian purpose. (EAH087)

Edna V. Holm Nursing Scholarship
Two scholarships will be awarded each year to nursing students contemplating missionary service and showing financial need. These scholarships are given in memory of Edna V. Holm, who graduated in 1929 from Mounds Midway School of Nursing and served as a missionary with her husband in Assam, India, and Ethiopia. (EAH088)

Lydia Holm Scholarship Fund
An endowment established from the estate of Lydia Holm in appreciation of Bethel’s mission of excellence and Christian ministry, the fund is available to worthy students attending the College of Arts & Sciences at Bethel University. (EAH089)

Lynn Cherie Hummel Memorial Nursing Scholarship
This scholarship was established in memory of the life of Lynn Cherie Hummel, who died while she was a nursing student at Bethel. It is awarded annually to a promising and dedicated junior nursing student based on faculty recommendation. (EAH090)

Fred and Ellen Jacobson Scholarship Fund
Established by Betty Jacobson in honor of her parents, awards are made to worthy students in the College of Arts & Sciences who are enrolled in the department of nursing or are pursuing a pre-medicine degree. The students must also demonstrate financial need. (EAJ091)

JacoL Computer Science Encouragement Award
This scholarship is given to deserving computer science students selected by the department faculty. (EAJ092)

John and Elaine Jahnke Scholarship for Children of Missionaries
This scholarship is awarded to students who demonstrate financial need and who have acquired their basic education in schools of a foreign country and/or who have been home-schooled. Recipients’ parents must be duly appointed career missionaries. (Short-term service does not qualify.) This does not include staff members of local churches and parachurch organizations. (EAJ094)

Thelma Jahnke Memorial Scholarship
An annual scholarship is given in memory of Thelma Jahnke to a junior or senior nursing student who demonstrates financial need. (EAJ093)
Martin Janke Memorial Scholarship
An annual scholarship of $500 is provided by friends of the Janke family for an upper-level student majoring in history. The recipient is nominated by the faculty of the Department of History. (EAJ095)

Albert H. and Edythe M. Jensen Memorial Scholarship
This scholarship was established to perpetuate the influence of Mr. and Mrs. Albert H. Jensen and as a memorial also to Joanne Jensen Trettien, a former Bethel student. It is to provide financial aid and encouragement to Bethel University students who show proficiency in music and meet the established requirements of need and academic achievement. (EAJ096)

Elizabeth Tobey Johnson Scholarship for Nursing Education
An annual scholarship is given in memory of Elizabeth Tobey Johnson by her children to a junior or senior nursing student who shows a strong aptitude for patient care. (EAJ097)

James E. Johnson History Scholarship
This scholarship was established to perpetuate the influence of James E. Johnson and to provide financial aid and encouragement to a Bethel University history student who has indicated financial need and excellence in scholarship. (EAJ098)

Janet Wingblade Johnson Memorial Art Scholarship
An annual award established in the memory of Janet W. Johnson by her husband, Eugene L. Johnson, professor of art emeritus. This award is to be given to a promising young artist, preferably working in clay, nominated by the ceramics instructor and confirmed by the faculty of the Department of Art. (EAJ099)

Lawrence Johnson Memorial Scholarship
This scholarship is established as a memorial to Lawrence Johnson, a husband, father, and successful businessman, by his family that dearly loved him and miss him. Students in the College of Arts & Sciences majoring in history are eligible, with preference to those planning to teach in secondary education or attend seminary. (641224)

Linda Ostrom Johnson Memorial Scholarship
This scholarship is given to a Bethel University student who has been accepted into the elementary education major. Preference should be given to Minnesota residents from the east-central areas around Cambridge or Mora. (EAJ101)

Russell W. Johnson Pre-Med Scholarship
An annual award given by alumnus William Slivka, Class of 1953, in recognition of Russell W. Johnson, biology professor at Bethel from 1951-1976, who excelled as a teacher and influenced the lives and careers of many students. It is to be awarded to the most promising junior who is a pre-medical student. (EAJ100)

Janice Turnblom Jorgensen Memorial Scholarship
This scholarship, given by the husband of Janice Turnblom, was originally established at Mounds Midway School of Nursing of which Mrs. Jorgensen was a graduate. The scholarship was transferred to Bethel University in 1993. Grants are given to Bethel nursing program students planning employment in the nursing home field upon graduation. (EAJ102)

Deubener Juenemann Students of Color Scholarship
This scholarship is given in memory of Deubener Juenemann to undergraduate students of color who demonstrate financial need. (EAJ103)

Gladys Kleinsasser Memorial Scholarship for Medical Mission
This scholarship is awarded to any undergraduate upperclass student with a 2.5 GPA or higher, who has an intention and/or career goal of medical missions. (EAK108)

Jeff Koenigsberg Memorial Scholarship
This scholarship is established in loving memory of Jeff, who died of cancer in 1996 at the age of 13. It is intended to be awarded to a promising art student with financial need, who demonstrates exceptional and genuine talent, in recognition of Jeff’s unique personality, creative nature, and promising artistic ability. This scholarship is intended for returning students majoring in visual arts, upon the recommendation and confirmation of the art department faculty, as an encouragement to students to develop their God-given gifts within a Christian environment. (EAK109)

Gunnar Kronholm Business Scholarship
In honor of former banker, Bethel administrator, and adjunct faculty member Gunnar Kronholm, whose life exemplified faithful Christian service and ethical business practice, this scholarship is awarded to students majoring in business in the College of Arts & Sciences. (EAK110)

C. Richard Lane Multicultural Student Memorial Scholarship
This gift has been given to encourage multicultural students in all areas of their college life. The award is given to multicultural students with financial need and demonstrated qualities of leadership and character. (EAL117)

John A. and Ethel M. Lee Journalism Scholarship
An annual scholarship is given to a student who shows interest and proficiency in journalism and has financial need. Proceeds from the Martin Erickson Memorial Scholarship partially fund this scholarship. (EAL107)

Emily L. Lewis Scholarship
The fund awards worthy students who demonstrate financial need, with preference given to those pursuing a teaching career. (EAL112)
Harold and Gertrude Lidbom Memorial Scholarship
Several annual scholarships are given in memory of Harold and Gertrude Lidbom. (EAL114)

Dwight Lindbloom Memorial Scholarship
This scholarship is awarded to education majors in good standing who anticipate a career in public education teaching. (EAL115)

David and Richard Lissner Memorial Scholarship
An annual scholarship is given in memory of David Lissner, former president of the Bethel Foundation, and in memory of his son, Richard Lissner, to a student who demonstrates financial need, with preference given to a student from a rural area. (EAL116)

James R. Lonn Memorial Scholarship
This scholarship is awarded to a student who has a 2.0 GPA or above and who demonstrates financial need. (EAL118)

Margaret Magnuson Scholarship
Established by Dr. Warren Magnuson in memory of his wife in appreciation for kindness and care shown to her by the staff of Friendship Village of Bloomington, the scholarship is awarded to students pursuing nursing or related caring professions who have been/are/desire to be employed by Friendship Village of Bloomington. (EAM120)

Pearl B. Magnuson Memorial Scholarship
This scholarship is awarded to undergraduate students who demonstrate financial need, in remembrance of the life of Pearl Magnuson. (EAM121)

Wilbur and Ruth Marker Music Scholarship
The scholarship is available to a worthy music student in the university’s College of Arts & Sciences who demonstrates financial need. (EAM122)

Katie Marriott Scholarship
Several awards are made annually to undergraduate music students (preferably band members) and to nursing students with financial need and Christian character. (EAM123, EAM124)

James and Norma Mason Speech Scholarship
This award is given annually to a deserving upper-division student in the area of speech. (EAM125)

Dr. Ruth Eckert McComb Memorial Scholarship
This scholarship is awarded to an upperclass undergraduate student who demonstrates financial need and who has excellent academic performance along with a deep commitment to Christ and His service. (EAM126)

Minnesota Multicultural Student Endowment Fund
This award is given to promote educational opportunities for Minnesota multicultural students who demonstrate financial need. The funds in this endowment are provided by the St. Paul Companies. (EAM128, EAM129)

Minnesota Private College Fund Scholarships
The Minnesota Private College Fund provides more than 40 annual scholarships for Bethel University students. These scholarships are funded by the generous donations of private businesses and foundations, such as American Express, B.C. Gamble and P.W. Skogmo Fund of the Minneapolis Foundation, Buuck Family Foundation, Cargill, Casey Albert T., Medtronic, Meslow First Generation Scholar, Minnesota Mutual, Minnesota Power, Northern States Power, Rahr, St. Paul Companies, Thrivent Financial Community Service Scholarship, U.S. Bank, UPS, Wells Fargo, and The West Group. Recipients are selected by the Office of University Financial Aid from eligible financial aid applicants.

Minority Student Endowment Fund
This award is given out of concern for promoting educational opportunities for worthy minority students who demonstrate financial need. The funds for this endowment are made available in memory of Pamela Baltz, Sabina Gustafson, and Berta Osbeck. (EAM130)

Missionaries’ and Pastors’ Dependents Scholarship
These scholarships are awarded to dependents of missionaries and pastors who demonstrate financial need and academic potential. (EAM131, EAM132)

JoAnn Moberg Memorial/Friends of Bethel Nursing Scholarship
This scholarship is given, in honor of the memory of JoAnn Moberg’s life of dedication to God, family, and ministry through nursing, to junior or senior nursing students who demonstrate financial need as well as academic excellence and service to Christ. It is funded by family, friends, and the Friends of Bethel. (Formerly known as the Bethel Auxiliary, FOB is a group of volunteers who meet regularly to pray for Bethel and provide student scholarships and faculty grants.) JoAnn’s life was marked by Christian love, a humble spirit, and academic excellence. JoAnn was an FOB member since its founding in 1991. (EAM133)

Oliver Mogck Vocal Scholarship
This scholarship is given in honor of Oliver Mogck and his career training and guiding students in voice instruction as the chair of the Bethel Music Department. An award will be given to assist worthy undergraduate vocal students of the College of Arts & Sciences. (641210)

John and Dorothy Morley College Scholarship Fund
This scholarship is intended to assist College of Arts & Sciences students who exhibit financial need. (641217)
Mounds Midway Nursing Scholarships
Five scholarships are awarded annually to incoming freshmen who intend to major in nursing and who demonstrate financial need. These scholarships are renewable for the sophomore, junior, and senior years, provided the recipient remains a nursing student in good standing and continues to demonstrate need. This scholarship is intended to continue the fine tradition of educating Christian nurses who began at the Mounds Midway School of Nursing under the sponsorship of the Baptist Hospital Fund. (EAM141, EAM143)

Mounds Midway School of Nursing Memorial Scholarship
Established by alumni of Mounds Midway School of Nursing in honor and in memory of its students and faculty, the fund is used to assist worthy Bethel University undergraduate nursing students who demonstrate financial need. (EAM145)

James R. Mullins Memorial Scholarship
This scholarship was established in memory of James R. Mullins, Class of 1969, to assist any students who demonstrate financial need. (EAM134)

Raymond and Esther Jorgenson Mullins Memorial Scholarship Fund
In memory of Raymond and Esther Jorgenson Mullins, this scholarship will be awarded to worthy Bethel University students in the College of Arts & Sciences who demonstrate financial need. (EAM135)

Vera Narregang Piano Scholarship
This scholarship was established in appreciation of Vera Narregang and is awarded annually to an outstanding piano emphasis music major upon the recommendation of the faculty of the Department of Music. (EAN136)

Stephen F. Nelson Memorial Scholarship
Established in memory of Bethel alumnus Stephen Nelson who taught high school physics and had a business career at Honeywell, this fund is to encourage future generations to honor and glorify God as they pursue their studies at Bethel and their careers. (EAN144)

Arthur and Kathleen Newcombe Memorial Scholarship
This endowment is given by Garvin and Lynne McGee in memory of Lynne’s parents to provide private music lessons for students of evident Christian commitment, musical ability, and financial need. (EAN138)

“Nontraditional Age” Scholarship
An annual award is made to enable a student of nontraditional age who would otherwise lack sufficient funds to attend Bethel University. (EAN140)

John Nordquist Memorial Music Scholarship
This music scholarship is awarded to a serious performer whose aim is to glorify God through his or her art. (EAN142)

Gertrude Nyborg Memorial Scholarship
This scholarship has been given in memory of Miss Gertrude Nyborg by Mrs. Carl A. Schultz of Meriden, Conn. The recipient must have a cumulative GPA of 3.6 or better. (EAN146)

Marvin T. Nystrom Scholarship Endowment
This annual scholarship is awarded to a deserving student who demonstrates financial need without designation of any particular discipline. The recipient must have a minimum cumulative GPA of 3.0 and be a U.S. citizen. The award is made to a student who will be a junior during the first year of the award, and will be renewed during their senior year if the student continues to meet the above requirements. (EAN147)

Lloyd M. and Elsie B. Olson Memorial Scholarship
This scholarship should be awarded to worthy Bethel University students in the College of Arts & Sciences from Forest City, Iowa. First consideration will be given to first-year students who demonstrate financial need. The award may be renewed after the first year. (EAO148)

Pamela G. Olson Mathematics/Physics Scholarship
The fund was established to assist worthy Bethel University students who demonstrate financial need and who are majoring in mathematics or physics in the College of Arts & Sciences. The award is available to undergraduates and is renewable if an overall GPA of 3.0 or higher is maintained.

Karl A. Olsson Memorial Nursing Scholarship
This scholarship is awarded to Bethel University students enrolled in the nursing program. (EAO149)

Oscar E. and Mary Ostling Memorial Scholarship
Awards are granted to worthy Bethel undergraduate students in memory of Oscar and Mary Ostling, Swedish immigrants and active members of Salem Baptist Church of Chicago. The Ostlings were involved in establishing the world mission board of the Baptist General Conference and with women’s ministries of the conference. (EAO151)

Ruth M. Palmquist Scholarship
A scholarship is given from the estate of Mrs. Jennie Thornburg Jennings for a female student needing financial assistance. (EAP152)

David A. Parod Memorial Scholarship
An annual award is made to an athlete in his or her junior year. The recipient must have a GPA of at least 2.0. (EAP153)

Muriel Paulson Memorial Scholarship
This scholarship is awarded to any Bethel University student working toward a degree in Christian education. The recipient must maintain a cumulative GPA of 3.0 or higher. (EAP154)
Pepsi Cola Company and Bethel Campus Store Scholarship
Established with funding from the Pepsi-Cola Company, this scholarship is awarded to a student with financial need who comes from a single-parent home. (EAP155)

Thomas A. Perkins Memorial Music Scholarship
This scholarship is given to assist worthy music majors who demonstrate financial need. (EAP156)

Bertha Petersen Memorial Scholarship
This scholarship has been established by an endowment from Bertha Petersen's estate to assist worthy students. An annual award is made to a student who has a 3.6 cumulative GPA. (EAP157)

Bob Peterson Business Scholarship
This scholarship is awarded to a freshman who demonstrates financial need and who intends to major in business, participates in extracurricular activities, demonstrates spiritual leadership, ranks in the upper third of their high school class, and has a cumulative GPA of 2.5 or higher. Renewable for up to three years if recipient is a business major, involved in extracurricular activities, has a minimum cumulative GPA of 2.5, and demonstrates leadership in campus ministry activities. It may be awarded to a sophomore or junior business major who demonstrates financial need and meets the above criteria, upon recommendation of faculty or staff (if freshman not available). (EAP158)

Doraine Peterson Business Scholarship
This scholarship is awarded to a freshman who demonstrates financial need, has declared an interest to major in business, and who maintains extracurricular participation in music. The recipient should demonstrate spiritual leadership, involvement in campus activities, and must have a 3.2 GPA while in high school. The scholarship may be awarded to an upperclassman if a freshman candidate is not available. This scholarship is renewable for up to three years if the student continues to meet the above listed qualifications and maintains a 3.0 overall GPA. (EAP159)

Sena Petry Memorial Scholarship
This scholarship is awarded to an undergraduate student selected by the scholarship committee. (EAP160)

Virginia E. and Susan J. Port Memorial Scholarship
This scholarship is given annually by Dr. Wilbert Port in memory of his wife, Virginia, and his daughter, Susan. Susan graduated from Bethel in 1975 and was a member of the Bethel Choir. This award is given to a member of the Bethel Choir who is in need of financial assistance. (EAP161)

Danielle Joy Pound Memorial Scholarship
This scholarship honors the life of Danielle Joy Pound whose life was cut short May 17, 2008, in a car accident just days from completing her junior year at Bethel. Danielle enjoyed life and lived it to the fullest. Her caring, outgoing personality and love for Jesus will be remembered by all who knew her. The award goes to a College of Arts & Sciences student with financial need. (EAP172)

Professor's Restaurant Scholarship
This award is given each year to a Bethel University athlete who has demonstrated financial need and exemplary Christian character, who has made a constructive contribution to campus life, and who is making academic progress. (EAP163)

Reader's Digest Foundation Scholarship
Four annual scholarships are awarded from a fund provided by Reader's Digest to students with superior academic standing who demonstrate financial need. (EAP166)

Dr. James A. Reynhout Scholarship in Biology
This scholarship is named after James K. Reynhout who served for 28 years as Professor of Biological Sciences. In honor of his parents who were lifelong missionaries, the award is given to College of Arts & Sciences junior and senior Biology and pre-med students who plan to be involved in missions nationally or internationally. (EAP169)

Harold and Velma Rixe Memorial Scholarship
This scholarship is given in memory of Mr. and Mrs. Rixe to undergraduate students selected by the scholarship committee. (EAP170)

Rocky Mountain Scholarship
An annual award is given to a student who represents the Rocky Mountain Baptist Conference area, possesses leadership potential in terms of Christian character, and demonstrates financial need. In the event no student from the Rocky Mountain area qualifies, it may be given to a student from another area. The award may be granted to one student or may be divided among two or more. (EAP171)

Betty Royer Memorial Piano Scholarship
This scholarship was established in appreciation of Betty Royer. It is awarded annually to an outstanding piano-emphasis music major upon the recommendation of the faculty of the Department of Music. (EAP172)

Betty Royer Memorial Voice Scholarship
This scholarship was established in appreciation of Betty Royer. It is awarded annually to an outstanding voice-emphasis music major upon the recommendation of the faculty of the Department of Music. (EAP173)
Emily Grace Rudolph Scholarship Fund
This scholarship honors the life of Emily Rudolph, ’05 CAS graduate from the Nursing Department who passed away on December 31, 2007. Her life was remarkable and was characterized by her service in the inner-city, orphanages, homeless shelters, and public health clinics with which she volunteered. This award goes to College of Arts & Sciences nursing students who have financial need and are involved in a cross-cultural experience. (641218)

Bernard A. and Winnie L. Rust Christian Ministry Scholarship
This scholarship is awarded annually to an undergraduate student preparing for Christian ministry. (EAR170)

Bernard A. and Winnie L. Rust Music Scholarship
This scholarship is awarded annually to an undergraduate student majoring or minoring in music. (EAR171)

Alice L. Ryan Memorial Scholarship Fund
This scholarship is given in memory of Alice L. Ryan, her love for God, and commitment to students. It is given to students in the College of Arts & Sciences in the elementary education degree program who demonstrate financial need. (EAR208)

Dr. Russell and Inez Sather Scholarship for Elementary Education
This scholarship is awarded to students majoring in elementary education. Recipients must be recommended by the faculty and maintain a 3.0 or better GPA. Preference will be given first to students from Polk, Red Lake, Marshall, Pennington, Norman, Kittson, Lake of the Woods, Mahnomen, and Clearwater counties in Minnesota. Awarding will commence in the sophomore year and continue through the senior year. (EAS173)

Dr. Russell and Inez Sather Scholarship for the Health Sciences
This scholarship is awarded to students majoring in a healthcare professional program. Recipients must be recommended by the faculty and maintain a 3.0 or better GPA. Preference will be given first to students from Polk, Red Lake, Marshall, Pennington, Norman, Kittson, Lake of the Woods, Mahnomen, and Clearwater counties in Minnesota. Awarding will commence in the sophomore year and continue through the senior year. (EAS175)

Lucille M. Saxon Scholarship in Missions
This scholarship is awarded annually to an upperclass undergraduate student who has indicated serious interest in a missions career and is exhibiting interest through success in appropriate course work and missions-related extracurricular activities. (EAS174)

Susan K. Saxon/Mounds Midway School of Nursing Scholarship Fund
This scholarship is in memory of Susan K. Saxon, a graduate of the Mounds Midway School of Nursing, in recognition of her interest in caring for coronary patients and her devotion to the cause of Christ. An annual scholarship is awarded to College of Arts &Sciences nursing students who are interested in pursuing a career in coronary nursing and demonstrate financial need. (641213)

Senior Class Royal Legacy Scholarship
This scholarship is given by students of the senior class: past, present, and future—to be a blessing to fellow Royals and welcome them into this community of believers. An award is given to full time freshman or incoming transfer students in the College of Arts & Sciences who have financial need. (641214)

Myrtle M. Shaver Memorial Nursing Scholarships
Several scholarships are awarded annually to Bethel University students working toward a Bachelor of Science in Nursing. (EAS176)

W. Robert Smith Memorial Scholarship
This scholarship is awarded to a student of any concentration or vocational goal who expresses serious interest in serving in a leadership capacity in an evangelical Christian church. This award is in honor of Dr. W. Robert Smith who was an intern pastor at Trinity Bible Church in Phoenix, Ariz. The recipient shall be at least a junior, attain and maintain at least a 3.0 GPA, demonstrate need, give evidence of future success, and be recommended by the major professor and department instructional personnel. (EAS178)

Bill and Becky Ann Stewart Scholarship
An annual scholarship is provided by Bill and Becky Ann Stewart for students who desire to enter a Christian field of endeavor or who wish to be effective in spreading the word of Christ as lay persons in a profession of their choice. (EAS180)

Mr. and Mrs. Sidney L. Stolte Scholarship
This scholarship is given annually in memory of Mr. and Mrs. Sidney L. Stolte to a senior who has shown leadership, character, and scholastic achievement and is preparing to serve God in world missions. (EAS181)

Elvira M. Svard Scholarship
The fund awards worthy students who demonstrate financial need and who are pursuing a teaching career. (EAS182)

Theatre Arts Scholarship
This performance scholarship is awarded by Department of Theatre faculty to encourage outstanding drama students. (EAT009)
Theatre Arts and Visual Arts Scholarship
This award is given to worthy and needy College of Arts & Sciences students who are majoring in theatre arts and are planning to use these talents in Christian ministry. Leslie M. Funk established this scholarship to help assist college students and to help the cause of Christ though Bethel University. (641220)

Ron Tschetter/Dain Rauscher Scholarship
Established in honor of Ron Tschetter by the Dain Rauscher Foundation for his years of service, the fund awards worthy junior and senior students who are pursuing a career in business. Qualified applicants will be required to demonstrate financial need. (EAT183)

Ralph E. Twite Memorial Scholarship
Two annual scholarships are awarded to third- or fourth-year students in music and business (one scholarship in each area). Recipients must be the top students in their major. (EAT184, EAT185)

Astrid and Ray Van Hoy College Scholarship
This scholarship is in honor of Astrid and Ray Van Hoy. Astrid held a long-standing appreciation for caring and capable ministers of the gospel. It was through her careful savings that this scholarship has been made possible to College of Arts & Sciences students who have financial need and are preparing for pastoral ministry. It is her hope that this scholarship will enable recipients to study at Bethel and pursue God’s call to the pastorate.

Frank J. and Eileen J. Voth Scholarship
This fund is established in honor of the ministry of Frank and Eileen Voth with deep gratitude to God for His provision throughout their life together. Awards are given to children of Converge Worldwide (BGC) pastors or missionaries who show academic promise and who demonstrate financial need. (EAW186)

Wallendorf Scholarship Endowment
This scholarship has been established by Paul Wallendorf, Class of 1926, in loving memory of his wife, Helen, and his daughter, Barbara. It is awarded annually to students who demonstrate financial need with a cumulative GPA of at least 3.6. (EAW187)

Maurice and Germaine Wessman Memorial Scholarship
This scholarship is awarded in memory of Maurice (Duff) Wessman and Germaine (Gerry) Wessman who loved the Lord and His Bethel with all their hearts. (EAW190)

Wheelock Parkway Baptist Church Memorial Scholarship
Upon the dissolution of the Wheelock Parkway Baptist Church, it was decided to establish a scholarship fund to assist Bethel University students who demonstrate Christian commitment and character, maintain academic achievement, and demonstrate financial need. (EAW191)

Bill and Ruth Widen Memorial Scholarship
An annual scholarship is given to a female student with ultimate plans for missionary nursing or other missionary service. (EAW196)

Helen E. Widen Memorial Scholarship
This scholarship is awarded to an undergraduate student selected by the scholarship committee who demonstrates financial need. (EAW194)

Margaret E. Widen Memorial Scholarship
This scholarship is awarded in memory of Margaret E. Widen to a Bethel University student. (EAW195)

Mildred M. Widen Memorial Scholarship
This scholarship is awarded in memory of Mildred M. Widen to a Bethel University student. (EAW197)

Wilmot Road Baptist Church Scholarship
Upon the dissolution of the Wilmot Road Baptist Church, its members decided to establish a scholarship fund to assist Bethel University students. (EAW198)

Alfred J. and Rosalie Wingblade Scholarship
A scholarship is given as a memorial to Alfred and Rosalie Wingblade’s 42 years of service to Bethel. A.J. Wingblade served as principal of Bethel Academy beginning in 1907 and as professor of Greek and Christian education at Bethel College. The award is given to a promising student who has demonstrated aptitude for the use of the Greek language in New Testament studies. (EAW199)

Whirlpool—Fern A. Worm Scholarship
This scholarship is given in memory of Fern A. Worm, who worked as chief nurse for Whirlpool in St. Paul, Minn., for 29 years. It is awarded to an upperclass Bethel University nursing major. (EAW192)

David F. and Vicki D. Ylkanen Scholarship Fund
This scholarship is given by the Ylkanens, recognizing their lifelong interest in young people and education. It is awarded to students majoring in business, communication, education, or nursing who demonstrate financial need and whose Christian faith and witness are evident.
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