



Bethel University

2008-2009
Catalog
College of Arts & Sciences



**BETHEL
UNIVERSITY**

College of
Arts & Sciences

2008-2009 CATALOG

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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 40), 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 two 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 level) (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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<http://cas.bethel.edu/catalog/>

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2008–09 Academic Calendar

FALL SEMESTER 2008

Residence halls open (new students).....	August 28
Residence halls open, 9 a.m. (returning students).....	August 29
Labor Day (no classes).....	September 1
Classes begin	September 2
Last day to add a course	September 9
Last day to withdraw from a course without "W" on records	September 9
Homecoming	September 19-21
Fall Break	October 10
Parents Weekend	October 31-November 2
Last day to withdraw from a course	November 25
(1st-half classes: Oct. 14; 2nd-half classes: Dec. 3)	
Thanksgiving break begins, 5 p.m.....	November 26
Classes resume	December 1
Festival of Christmas	December 4-6
Last day of classes	December 10
Study day	December 11
Final examinations	December 12, 15, 16, 17
Commencement	December 17
Residence halls close, noon	December 18

INTERIM 2009

Residence halls open, noon.....	January 4
Classes begin	January 5
Martin Luther King Jr. Day (no classes)	January 19
Last day of classes	January 27

SPRING SEMESTER 2009

Classes begin	February 2
Last day to add a course	February 9
Last day to withdraw from a course without "W" on records	February 9
Spring Break	March 16-20
Residence halls close, noon	March 14
Residence halls open, noon.....	March 22
Spring Break ends/Classes resume	March 23
Good Friday (no classes).....	April 10
Last day to withdraw from a course	May 4
(1st-half classes: Mar. 12; 2nd-half classes: May 8)	
Last day of classes	May 15
Study day	May 20
Final examinations	May 18, 19, 21, 22
Commencement	May 23
Baccalaureate.....	May 24
Residence halls close, 8 p.m.	May 24

SUMMER SCHOOL 2009

Final registration	May 22
Classes begin	May 27
Last day of classes *	June 17

**Evening classes ending dates vary.*



Bethel University Structure



● 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 seven master of arts degrees, a master of divinity degree, a doctor of ministry degree, and four 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.)


 The logo for Bethel University, featuring the words "BETHEL UNIVERSITY" in white, serif, all-caps font on a black rectangular background. Below the black background is a solid blue horizontal bar.

BETHEL
UNIVERSITY

BETHEL UNIVERSITY

Bethel University is a leader in Christian higher education with approximately 6,200 students from 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 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.


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BETHEL
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College of Adult &
Professional Studies

College of Adult & Professional Studies

The College of Adult & Professional Studies (CAPS) at Bethel University helps busy adults achieve their educational goals within a framework of Christian values. Through the General Studies program, learners can fulfill general education requirements, and with an additional 12 credits can earn an associate's degree. Six bachelor's degrees are offered in business management, Christian ministries, communication studies, human resources management, nursing (R.N. to B.S.), and organizational leadership. The programs are offered on an accelerated schedule. Classes are held evenings and/or weekends at convenient locations or online. The college also offers professional development seminars for personal enrichment or to earn continuing education units.


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BETHEL
UNIVERSITY

Graduate School

Graduate School

The Graduate School at Bethel University offers 12 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 business administration (MBA), communication, counseling psychology, education K-12, ethnomusicology, gerontology, 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 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.¹ 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.² The Bible condemns legalistic rule-keeping. It emphasizes loving relationships and pure motives in living out these rules.³

Living a Biblical Lifestyle

The Bible frequently speaks about a holy lifestyle. Such passages are found throughout the Old and New Testaments.⁴ *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.⁵

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.⁶

We believe that life is sacred and people have worth because they are created in God's image.⁷

- 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.⁸

- 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.⁹

- 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 alcoholic beverages and tobacco in any form.

We view sexuality as one of God's good gifts.¹⁰

- 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.¹¹

- 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.¹² 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.

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.¹³

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.¹⁴

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.

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 4:22–5:21; Colossians 3:1–17

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; Ephesians 5:18; 1 Timothy 4:8

¹⁰ Genesis 1:27–28, 2:24–25; Exodus 20:14; Song of Songs; Matthew 5:27–30; 1 Corinthians 6:15–20, 7:3–5

¹¹ Genesis 1:28–31

¹² Romans 14:1–23; 1 Corinthians 6:12, 10:23–24

¹³ 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.

¹⁴ 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.

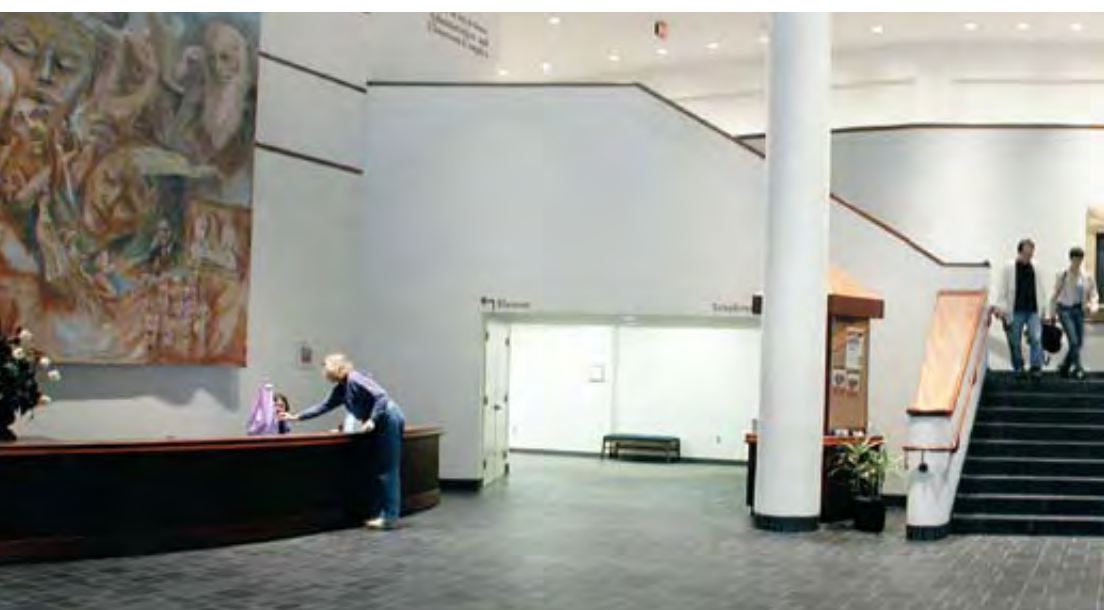
11. Church Cooperation

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.





College of Arts & Sciences Philosophy of Higher Education

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.



Academic Information

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:

Computing	Integrating	Living healthfully	Reasoning
Creating	Investigating	Managing self	Speaking
Empathizing	Learning to learn	with others	Writing
Information processing	Living from values	Quantifying	

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.

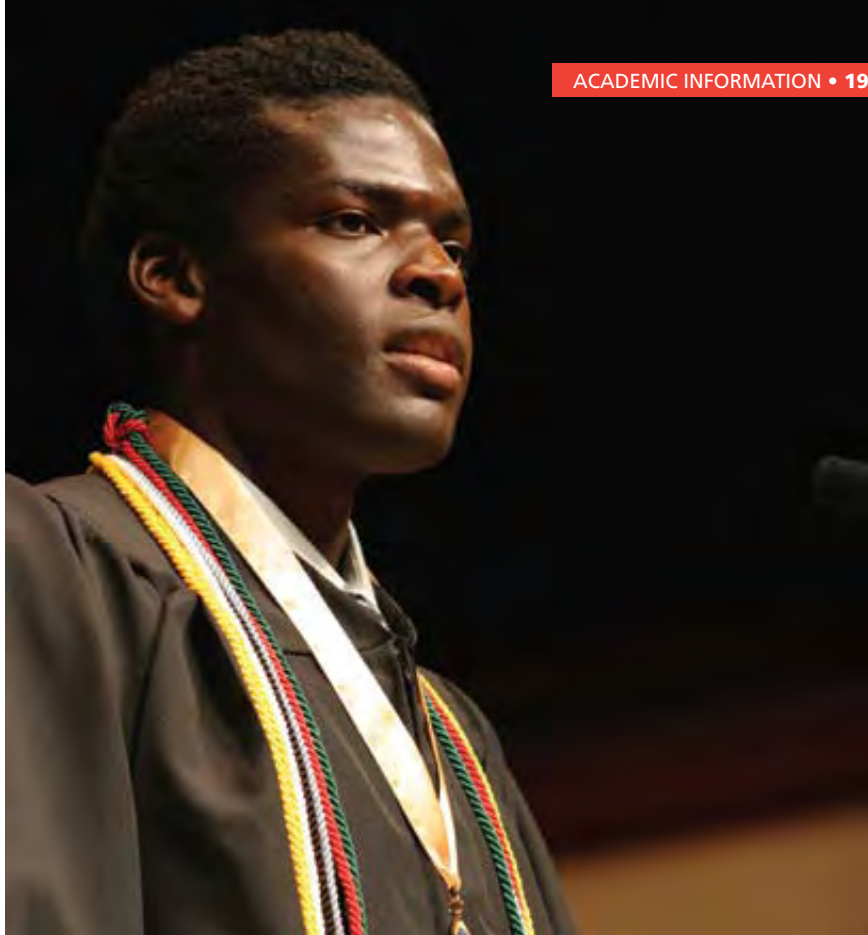


BETHEL ACADEMIC PROGRAMS**Majors**

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

Minors

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



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:

Major	30–60 semester credit hours
General Education	51–52 semester credit hours
Electives	11–41 semester credit hours
	<hr/>
	122 semester credit hours

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.)

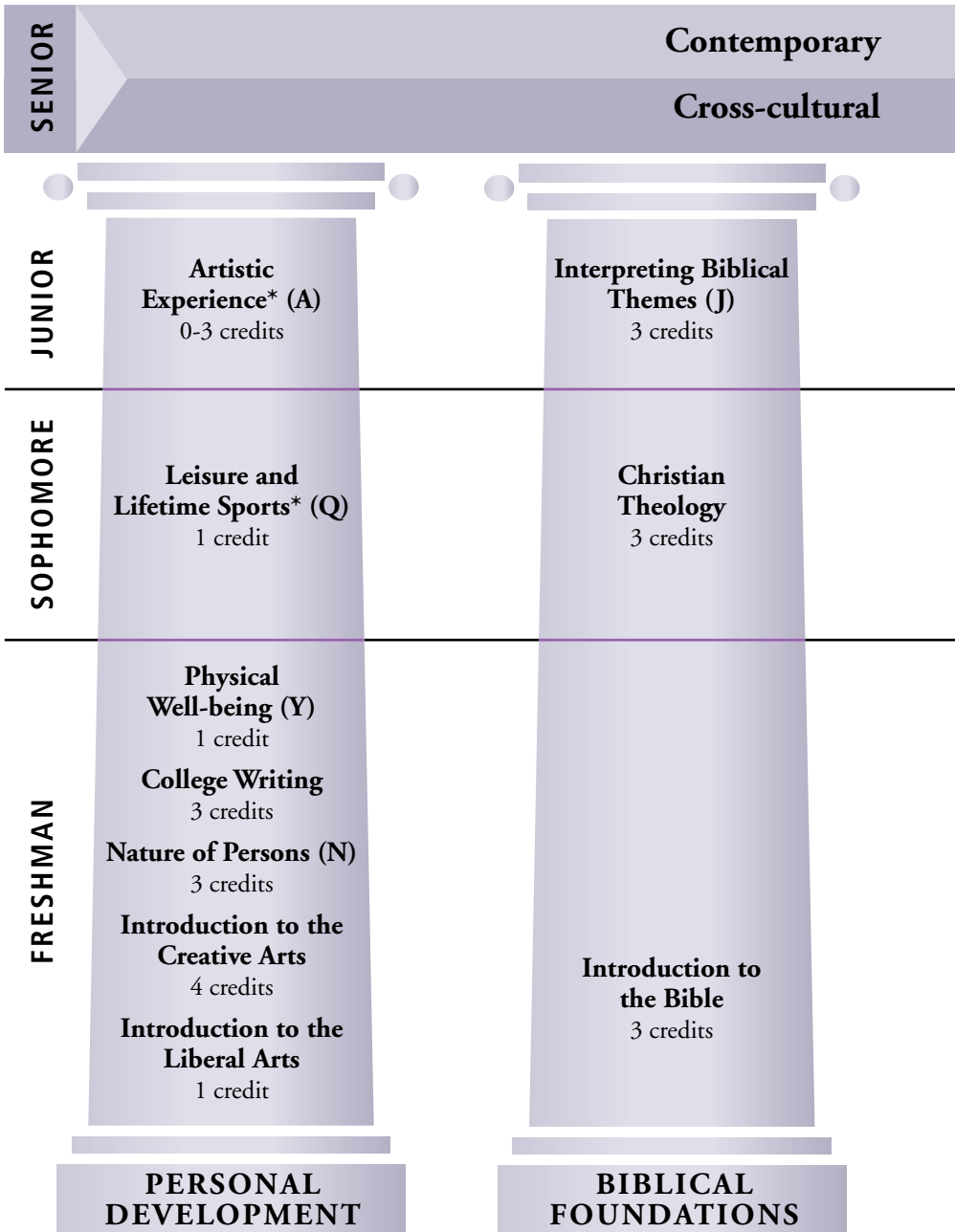
1. A cumulative grade point average of 2.00 and a 2.25 grade point average in one's major. The major GPA includes all courses required in the major and all electives taken for the major.
2. A minimum of 122 semester credit hours. Of these, the following must be taken in programs that meet Bethel residency 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.



GENERAL EDUCATION PROGRAM



*May be taken during any year of study

OPTION 1

Christian Issues (P)

Experience* (Z)

**Science, Technology,
and Society (K)**
3 credits

**Comparative
Systems (G)**
3 credits

World Cultures (U)
3 credits

**Contemporary
Western Life
and Thought (L)**
3 credits

**Laboratory
Science (D)**
4 credits

**Second
Language (S)**
4 credits

Mathematics (M)
3 credits

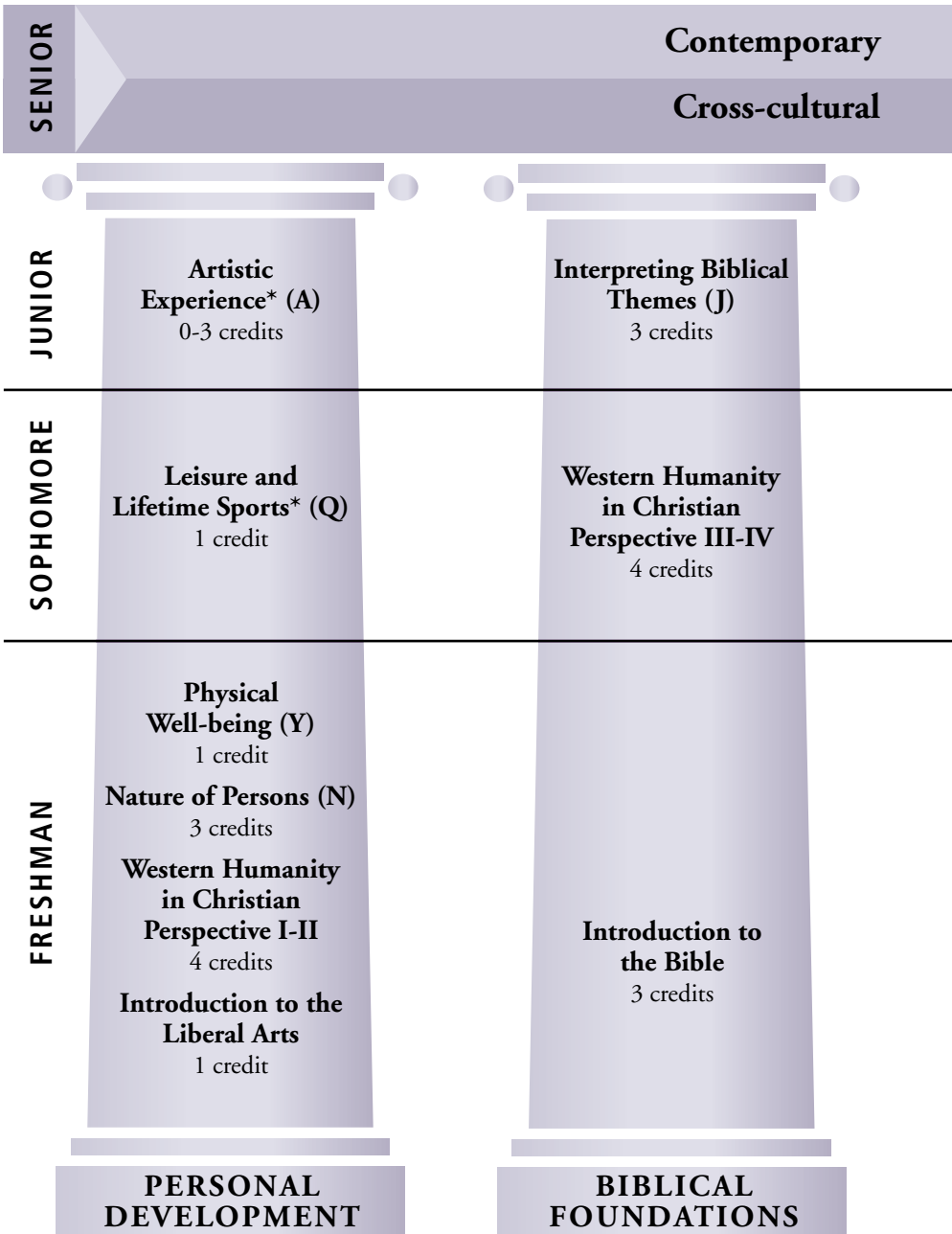
**Christianity and
Western Culture**
4 credits

**MATH, SCIENCE,
AND TECHNOLOGY**

**GLOBAL
PERSPECTIVES**

52 Credits

GENERAL EDUCATION PROGRAM



* May be taken during any year of study

THE HUMANITIES PROGRAM OPTION 2

Christian Issues (P)

Experience* (Z)

**Science, Technology,
and Society (K)**
3 credits

**Comparative
Systems (G)**
3 credits

World Cultures (U)
3 credits
**Western Humanity
in Christian
Perspective III-IV**
4 credits

**Laboratory
Science (D)**
4 credits

**Second
Language (S)**
4 credit

Mathematics (M)
3 credits

**Western Humanity
in Christian
Perspective I-II**
4 credits

**MATH, SCIENCE,
AND TECHNOLOGY**

**GLOBAL
PERSPECTIVES**

51 Credits



THE GENERAL EDUCATION PROGRAM

The primary goal of the General Education curriculum, implemented in fall 2006, 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 implemented in fall 2006. 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)	Nature of Persons (N)
Laboratory (D)	Contemporary Christian Issues (P)
Comparative Systems (G)	Leisure and Lifetime Sport (Q)
Interpreting Biblical Themes (J)	Second Language (S)
Science, Technology, and Society (K)	World Cultures (U)
Contemporary Western Life and Thought (L)	Physical Well-being (Y)
Mathematics (M)	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 (and abstraction). 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 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 Testament. 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 systematic perspective. Themes 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 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 a 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 socio-cultural 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.

Option 1

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.

Option 2: Humanities Program

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.)

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.



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. 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 level based on the number of semester credit hours at the college level they have earned before entering Bethel. General Education entry 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 level. 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 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 level requirements listed in the table below to determine the requirement for their level.

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

^a 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, 61 semester credit hours plus designated competencies, are listed below. These 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 in one's major.
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:

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

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 any time the regular-term GPA is below 2.00.
2. *Academic Probation*: Students are placed on academic probation when they are not in good academic standing. Good academic standing is defined as a cumulative GPA of 2.0 or higher.
3. *Academic Dismissal*: The following students may be subject to academic dismissal: (1) regularly admitted freshmen whose cumulative GPAs are below 2.0 at the end of their second semester; (2) provisionally admitted students whose cumulative GPAs are below 2.0 at the end of their second semester at Bethel; (3) all other students whose cumulative GPAs are below 2.0 for two consecutive semesters; (4) 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 1-4 above may also lead to academic dismissal.

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.

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
 651.962.6320

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 reenroll 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.



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.

Off-Campus Studies Photo Contest Winners



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 Linguista 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 multi-cultural 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.)

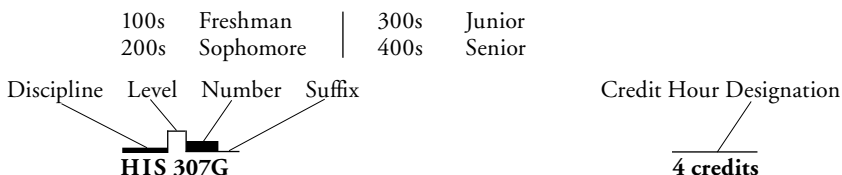
Studying and Serving in Guatemala



Academic Programs and Departments

COURSE NUMBERS, LEVELS, AND CREDITS

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.



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.

DISCIPLINE CODE AND DESCRIPTION

ANT	Anthropology	HPE	Health and Physical Education
ARH	Art History	LAT	Latin
ART	Art	LEA	Leadership Studies
ASL	American Sign Language	LIN	Linguistics
ATR	Athletic Training	MAT	Mathematics
BIB	Bible	MUE	Music—Ensembles
BIO	Biology	MUL	Music—Private Lessons
BUS	Business	MUP	Music—Performance Groups
CHE	Chemistry	MUS	Music
CHI	Chinese	NAS	Natural Sciences
COM	Communication Studies	NUR	Nursing
COS	Computer Science	PEA	Physical Education—Applied
ECO	Economics	PHI	Philosophy
EDU	Education	PHY	Physics
ENL	English—Literature	POS	Political Science
ENS	Environmental Studies	PSY	Psychology
ENW	English—Writing	REL	Religious Studies
FAS	Family Studies	RES	Reconciliation Studies
FLM	Film Studies	SCS	Sociocultural Studies
FRE	French	SOC	Sociology
GEL	Geology	SOW	Social Work
GEO	Geography	SPA	Spanish
GER	German	SWE	Swedish
GES	General Studies	TEL	Teaching English as a Second Language
GRK	Biblical Greek	THA	Theatre Arts
HEB	Biblical Hebrew	THE	Theology
HIS	History	YOM	Youth Ministry
HON	Honors		

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SUFFIX CODE AND DESCRIPTION

for courses meeting General Education requirements

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



ANTHROPOLOGY and SOCIOLOGY

The Department of Anthropology and Sociology 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.

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.

ANT301K • Human Origins and Diversity *(spring) 3 credits*
Fossil evidence for human origins and development. Human adaptation to the environment, human genetics, and heredity, and comparison of humans to other primates. Prerequisites: Laboratory Science (D) course; Mathematics (M) course.

ANT305 • Intentional Urban Living I *(fall) 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 *(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.

ANT312G • Peoples and Cultures of Oceania *(fall, even # yrs) 3 credits*
Comparative ethnography of Oceania. A study of cultural and social uniformities and differences for this geographical region to develop an understanding of the social structures of Oceania. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

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.

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.

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.

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)* 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 *(spring)* 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.

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. Prerequisite: PSY230M.

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 in Guatemala**(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, SCS387, 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, SCS387, 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, SCS387, or SCS389Z. (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; and 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.

SOC303G • Sociology of Development**(spring) 3 credits**

Focus on the Global South and emerging capitalist nations. Examination of concrete and practical aspects of development policies implemented at different levels and sectors of society. Topics include: poverty, inequality, population growth, urbanization and rural-urban migration, education, human capital, agriculture and rural development, markets, states, civil society, and international trade. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

SOC304G • Sociology of Crime and Deviance *(interim, 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.

SOC341G • Economic Development in the Non-Western World *(occasionally)* **3 credits**

Focuses on varying conceptual approaches for analyzing the different models of development in the emerging capitalist regions of the world (Latin America and the Caribbean, Eurasia, East, and Southeast Asia) in relation to the historical experience of Western Europe and North America. Critically explores why Africa lags behind in the global economy. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

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)* **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 of the Modern City *(fall)* **3 credits**

Cross-cultural and comparative study of urban development, form, and heterogeneity in advanced industrial societies and countries of the Global South, Central and Eastern Europe, and Eurasia. 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.

PROGRAMS

Major in Reconciliation Studies (B.A.)

**Semester
Credit Hours**

RES201	Introduction to Reconciliation Studies.....	3
RES305	Conflict Resolution and Mediation Skills.....	3
RES481	Internship in Reconciliation Studies.....	3
RES499	Senior Seminar in Reconciliation Studies.....	4
SOC101	Introduction to Sociology.....	3
Choose one from:		3
COM314G*	Gender Communication	
GES450P*	Reconciliation in a Racialized Society	
PHI/THE263	Christian Social Ethics	
RES207U*	Martin Luther King Jr., Malcolm X, and Our Multicultural World	
SOC342G*	Race, Ethnicity, and Peacemaking	
SOC386G*	Social Inequality	
SOW327G*	Minority/Majority Issues in the USA: Power and Privilege	
Reconciliation Study Abroad Options (choose one option) ^a		14-19
South Africa Term (<i>Spring</i>)—19 credits ^{**}		
Guatemala Term (<i>Spring</i>)—14-15 credits		
Middle East Studies Program of the CCCU (<i>Fall, Spring</i>)—16 credits		

TOTAL 33-38

General Education.....	46-52
Electives.....	27-33

TOTAL 122

^aStudents 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.



	Semester Credit Hours
Major in Sociocultural Studies (B.A.)	
ANT242U* Peoples and Cultures of the United States	3
Choose from:.....	3
ANT200U* Introduction to Anthropology	
SOC101 Introduction to Sociology	
Choose from the following courses:	3
ANT312G* Peoples and Cultures of Oceania	
ANT314G* Peoples and Cultures of Latin America	
HIS204U* African Civilizations	
PSY230M* Introduction to Statistical Methods and Experimental Design	4
SCS350 Qualitative Research Methods.....	4
SCS351 Quantitative Research Methods	4
SCS361 Sociocultural Theory	4
SCS499 Senior Seminar.....	4
Choose one of the following tracks:	15
• <i>Urban Track</i>	
ANT381G* Urbanism: A Way of Life	
SOC342G* Race, Ethnicity, and Peacemaking	
SOC380G* Urbanization: Growth and Development of the Modern City	
Six credits from:	
ANT318G* The Urban Church	
BIB307J* Jerusalem: Earthly City and Spiritual Symbol	
ECO225L The Redevelopment of Central City Neighborhoods	
POS220L* Growth and Power in American Cities	
SCS229U* Interaction with Urban Life and Systems	
SOC304G* Sociology of Crime and Deviance	
SOC386G* Social Inequality	
• <i>Cross-Cultural Mission Track</i>	
ANT371G* Christianity in Cross-Cultural Perspective	
SCS379G* Mission in the 21st Century	
SOC372G* Religion in Society	
Six credits from:	
ANT318G* The Urban Church	
BIB328 Theology of Mission	
LIN300 Introduction to Linguistics	
SCS385/387Z Cross-Cultural Experience	
SCS389 Cross-Cultural Mission Practicum	
SOC342G* Race, Ethnicity, and Peacemaking	
SOC386G* Social Inequality	
TEL230 Introduction to TESOL	
• <i>Anthropology Track</i>	
ANT200U* (above)	
9 credits from 300-level or above ANT courses	
6 credits from 300-level or above ANT, SOC, or SCS courses (SOC101 may count as 3 of these credits)	
• <i>Sociology Track</i>	
SOC101 (above)	
9 credits from 300-level or above SOC courses	
6 credits from 300-level or above ANT, SOC, or SCS courses (ANT200U* may count as 3 of these 6 credits)	
	44
General Education	51-52
Electives	26-27
	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	Semester Credit Hours
ANT242U* Peoples and Cultures of the United States	3
Choose from:	3
ANT200U* Introduction to Anthropology	
SOC101 Introduction to Sociology	
Choose from:	3
ANT312G* Peoples and Cultures of Oceania	
ANT314G* Peoples and Cultures of Latin America	
HIS204U* African Civilizations	
Choose from:	4
SCS350 Qualitative Research Methods	
SCS351 Quantitative Research Methods	
Electives from 200-level or above ANT, SOC, or SCS courses	6
TOTAL	19

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

Minor in Cross-Cultural Mission	Semester Credit Hours
SCS202U* Holistic Ministry and Human Needs	3
SCS379G* Mission in the 21st Century	3
SCS389 Cross-Cultural Mission Practicum	4
ANT371G* Christianity in Cross-Cultural Perspective	3
BIB328 Theology of Mission	3
Choose one from:	3
BIB309J* A Biblical Theology of Poverty	
BIB313J* A Biblical Theology of Justice	
BIB316J* A Biblical Theology of Ministry	
REL225L* New Religious Movements	
THE401 Christianity and the World's Religions	
Choose one from:	3
ANT318G* The Urban Church	
ECO225L The Redevelopment of Central City Neighborhoods	
HIS217U* Christianity in Latin America	
TEL230 Introduction to TESOL	
(Other courses with a mission focus may be petitioned into this category.)	
TOTAL	22

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



Minor in Reconciliation Studies

**Semester
Credit Hours**

RES201	Introduction to Reconciliation Studies.....	3
RES305	Conflict Resolution and Mediation Skills.....	3
RES499	Senior Seminar in Reconciliation Studies.....	4
Choose from:	.....	3
GES450P*	Reconciliation in a Racialized Society	
RES207U*	Martin Luther King Jr., Malcolm X, and Our Multicultural World	
SOC342G*	Race, Ethnicity, and Peacemaking	
Choose from:	.....	3
ANT242U*	Peoples and Cultures of the United States	
ANT371G*	Christianity in Cross-Cultural Perspective	
ANT381G*	Urbanism: A Way of Life	
ENL315G*	Literature of the Oppressed	
ENL313	The Harlem Renaissance and Beyond	
HIS210U*	Minorities in America	
PSY308G*	Cross-Cultural Psychology	
SPA301U	Hispanic Cultures	
Choose from:	.....	3
BIB309J*	A Biblical Theology of Poverty	
BIB312J*	Female and Male in Biblical Perspective	
BIB313J*	A Biblical Theology of Justice	
COM314G*	Gender Communication	
HIS245L*	History of Women in America	
PHI/THE263	Christian Social Ethics	
POS202U*	Introduction to International Relations	
SOC386G*	Social Inequality	
SOW327G*	Social Relations: Issues of Power and Privilege in the U.S.	

TOTAL 19

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

ART

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 *(fall, 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 *(fall, interim, spring)* **3 credits**
Diverse materials, methods, and media are explored and developed into three-dimensional form with expressive intent.

ART103A • Drawing *(fall, 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, print-making 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.)

ART204Q, 304Q • Paint and Pedal:

(summer, occasionally) 3 credits

Painting and Biking from Florence, Italy, to Nice, France

On-site course including 12 paintings in gouache or watercolor from specific studied motifs, city tours, lectures about the art and architecture, daily journal, and study of principles of landscape painting used by great artists of the European tradition. Includes biking daily, selecting motif, and creating one painting per day. Presents biking as a lifelong exercise, a perfect fit with combining techniques of observation while exercising the whole body. Prerequisite: Drawing or Design, or permission of instructor.

ART213UA • Japanese Culture

(interim, occasionally) 3 credits

through Printmaking

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—

(interim, occasionally) 3 credits

Dominican Landscape

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: 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 (Studio Emphasis) (B.A.)		Semester Credit Hours
ART100A*	Two-Dimensional Design.....	3
ART101A*	Three-Dimensional Design	3
ART103A*	Drawing.....	3
ART203	Drawing II.....	4
ART206	Sculpture	4
ART210	Painting.....	4
ART211	Printmaking	4
ART216	Functional Sculpture.....	4
ART499	Senior Seminar/Thesis Exhibition.....	3
Art History courses (minimum 9 credits).....		9
Studio elective (minimum 13 credits, at least 10 of which..... must be 200 level or above).....		13
Choose from:		3-4
ART108A*	Ceramics	
ART119A*	Photography	
ART120A*	Photography in Spain	
ART212	Graphic Design	
PHI310	Aesthetics.....	3
		<hr/> 60-61
General Education.....		51-52
Electives.....		9-11
		<hr/> TOTAL 122

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

Major in Art (Art History Emphasis) (B.A.)

**Semester
Credit Hours**

ART100A*	Two-Dimensional Design.....	3
ART101A*	Three-Dimensional Design.....	3
ART103A*	Drawing.....	3
ART203	Drawing II.....	4
ART206	Sculpture.....	4
ART210	Painting.....	4
ART211	Printmaking.....	4
ART499	Senior Seminar/Thesis Exhibition.....	3
	(or other appropriate senior seminar)	
	Art History courses (minimum 15 credits).....	15
	Studio elective (minimum 3 credits).....	3
PHI310	Aesthetics.....	3
	Electives from one other discipline to be chosen in consultation with an advisor in the Department of Art (minimum 9 credits, at least 6 of which must be at 200 level or above).....	9
		58
	General Education.....	51-52
	Electives.....	12-13
		TOTAL 122

Each student majoring in art (studio emphasis or art history emphasis) must fulfill the Speaking Competency in one of the art history courses. See course syllabus for details.

* 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.)		Semester Credit Hours
ART100A*	Two-Dimensional Design	3
ART101A*	Three-Dimensional Design.....	3
ART103A*	Drawing.....	3
ART212	Graphic Design.....	4
ART499	Senior Seminar/Thesis Exhibition	3
Studio electives (minimum 14 credits, at least 8 of which must be 200 level or above)		14
Art History courses (minimum 9 credits).....		9
EDU200	Introduction to Education	3
EDU201	Introduction to Education Field Experience	1
EDU203	School Health and Drugs.....	2
EDU220	Introduction to Middle Level Education	3
EDU240	Educational Psychology	3
EDU241	Educational Psychology Field Experience	1
EDU317GZ*	Understanding Diversity.....	3
EDU320	Pedagogy of the Young Adolescent Learner	2
EDU413	Methods in Teaching K-12 Art	3
EDU414	Middle Level Education Practicum in Art.....	1
EDU490	Student Teaching Block.....	15
		<hr style="width: 100%; border: 0.5px solid black;"/>
General Education.....		51-52
TOTAL		127-128 **

* 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)		Semester Credit Hours
Choose from:		3
ART100A*	Two-Dimensional Design	
ART101A*	Three-Dimensional Design	
ART103A*	Drawing.....	3
Art History courses (minimum 6 credits).....		6
Studio electives (minimum 7 credits, at least 3 of which must be 200 level or above)		7
		<hr style="width: 100%; border: 0.5px solid black;"/>
TOTAL		19

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

Minor in Art (Art History Emphasis)		Semester Credit Hours
Choose from:		3
ART100A*	Two-Dimensional Design	
ART101A*	Three-Dimensional Design	
ART103A*	Drawing.....	3
Art History courses (minimum 9 credits).....		9
Studio or Art History elective (minimum 3 credits).....		3
		<hr style="width: 100%; border: 0.5px solid black;"/>
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

BIB101 • Introduction to the Bible *(fall, interim, spring)* 3 credits

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.

BIB210 • History of Ancient Israel *(fall or spring)* 4 credits

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.

BIB217 • Significance of the Old Testament for Today *(fall or spring)* 3 credits

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.

BIB220 • The Pentateuch *(occasionally)* 4 credits

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.

BIB230 • Israel Study Tour *(occasionally interim)* 4 credits

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.

BIB236 • Archaeology of the Southern Levant *(occasionally)* 3 credits

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.

BIB240 • Topics in Biblical Studies *(occasionally)* 3 credits

Study of a biblical area or topic. The specific subject is announced when the course is offered. Prerequisite: BIB101.

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.

BIB264 • 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 *(fall or interim or spring)* 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. Prerequisite: BIB101.

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. Prerequisite: BIB101.

BIB304J • Messianic Concepts *(fall or interim or spring)* 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. Prerequisite: BIB101.

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. Prerequisite: BIB101.

BIB306J • Covenant, Promise, and Fulfillment *(fall or interim or spring)* 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. Prerequisite: BIB101.

BIB307J • Jerusalem: Earthly City and Spiritual Symbol *(fall or spring)* 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. Prerequisite: BIB101.

BIB309J • A Biblical Theology of Poverty *(occasionally)* 3 credits
Responses to poverty in the Old Testament, intertestamental literature, and the New Testament in the light of socioeconomic setting of these records. Construction of a biblical perspective and implications for Christian communities in North America. Prerequisite: BIB101.

BIB310J • Holiness in Biblical Perspective *(fall or interim or spring)* 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.

BIB311J • Worship in Biblical Perspective *(occasionally)* 3 credits

Exegetical and theological foundations of worship. Old Testament and New Testament patterns of worship and their relevance for the church today. Prerequisite: BIB101.

BIB312J • Female and Male in Biblical Perspective *(fall or interim or spring)* 3 credits

Significant Old and New Testament passages related to past and current discussions of gender, roles, and ministry in the church. Prerequisite: BIB101.

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. Prerequisite: BIB101.

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. Prerequisite: BIB101.

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. Prerequisite: BIB101.

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. Prerequisite: BIB101.

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. Prerequisite: BIB101.

BIB319J • Eschatology: The Last Things in the Church’s Scriptures *(occasionally)* 3 credits

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.

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

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

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 or interim or 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)* 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.

PROGRAMS

Major in Biblical and Theological Studies (B.A.)		Semester Credit Hours
BIB321	Issues in Biblical Studies	3
THE311	Early Church and Reformation Theology	3
Choose from:		4
BIB499	Seminar: Biblical Studies	
GRK498	Seminar: Greek Exegesis	
THE499	Seminar: Theology	
Choose from Old Testament:		3-4
BIB210	History of Ancient Israel	
BIB217	Significance of the Old Testament for Today	
BIB220	The Pentateuch	
BIB230 ^a	Israel Study Tour	
BIB236	Archaeology of the Southern Levant	
BIB240	Topics in Biblical Studies (when topic is Old Testament)	
HEB102S ^b	Introductory Biblical Hebrew II	
Choose from New Testament:		3-4
BIB230	Israel Study Tour ^a	
BIB240	Topics in Biblical Studies (when topic is New Testament)	
BIB260	The Life and Teachings of Jesus	
BIB264	Greece-Turkey Study Tour	
BIB265	The Life and Teachings of Paul	
GRK253 ^b	Readings in New Testament Greek	
Choose from theology:		3-4
THE235	Current Theological Controversies	
THE256L	Christian Apologetics	
THE263	Christian Social Ethics	
Elective from 200-level biblical and theological studies courses		
from the preceding lists or GRK102S Introductory Biblical Greek II		3-4
Choose from Old Testament:		3-4
BIB326	The Prophets of Israel	
BIB334G*	Cultural World of the Old Testament	
BIB336	Poetic Books of the Old Testament	
BIB440	Topics in Biblical Studies (when topic is Old Testament)	
Choose from New Testament:		3-4
BIB331G*	Cultural World of the New Testament	
BIB370	Romans	
BIB375	First Corinthians	
BIB440	Topics in Biblical Studies (when topic is New Testament)	
Choose from theology:		3-4
THE312L*	Post-Reformation and Contemporary Theology	
THE431	Advanced Topics in Systematic Theology	
THE432	Advanced Topics in Historical Theology	
THE433	Advanced Topics in Philosophical Theology	
THE440	Topics in Theology	
Elective from 300- or 400-level biblical and theological studies courses from the preceding lists or BIB328 Theology of Mission or THE401 Christianity and the World's Religions		
		3-4
		34-42
General Education		51-52
Electives		28-37
		TOTAL 122

* 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

Semester
Credit Hours

One 200-level Old Testament course (see specific courses listed in major)..... 3-4

One 200-level New Testament course (see specific courses listed in major)..... 3-4

One 200-level theology course (see specific courses listed in major)..... 3-4

Choose two from: 6-8

One 300- or 400-level Old Testament course
(see specific courses listed in major)

One 300- or 400-level New Testament course
(see specific courses listed in major)

One 300- or 400-level theology course
(see specific courses listed in major)

TOTAL 15-20

Minor in Biblical Greek

Semester
Credit Hours

GRK101 Introductory Biblical Greek I 4

GRK102S* Introductory Biblical Greek II 4

GRK253 Readings in New Testament Greek 4

GRK371 Advanced Greek Translation 4

GRK498 Seminar: Greek Exegesis..... 4

TOTAL 20

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

Minor in Biblical Languages (Hebrew and Greek)

Semester
Credit Hours

GRK101 Introductory Biblical Greek I 4

GRK102S* Introductory Biblical Greek II 4

GRK253 Readings in New Testament Greek 4

Choose from: 4

GRK371 Advanced Greek Translation

GRK498 Seminar: Greek Exegesis

HEB101 Introductory Biblical Hebrew I 4

HEB102S* Introductory Biblical Hebrew II 4

TOTAL 24

* 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: BIO103D, BIO109D, or BIO112D. A 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 or BIO112D; 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.

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*(occasionally)* 4 credits

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 *(fall, even # yrs)* 4 credits

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 *(spring, odd # yrs)* 4 credits

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 *(interim)* 4 credits

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 *(fall, odd # yrs)* 4 credits

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 *(fall)* 4 credits

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 *(occasionally)* 4 credits

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** *(interim)* 4 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 environmental studies.)

BIO321 • Aquatic Biology *(fall, even # yrs)* 4 credits

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: BIO101, BIO103D, or BIO112D; BIO113D recommended.

BIO351 • Developmental Biology

(fall, even # yrs) 4 credits

A study of the processes of development and underlying mechanisms. Topics include gamete formation, fertilization, cell division, morphogenesis, and differentiation. Emphasis is given to experimental analysis of the molecular, biochemical, genetic, and physiological controls and interactions. Includes 3 lab hrs. Prerequisites: Two courses in biology, including BIO112D; two courses in chemistry. BIO312 recommended.

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 • Plant Physiology

(fall, even # yrs) 4 credits

Physiological processes as they relate to higher plants. Topics include photosynthesis, respiration, metabolism, growth and development, water relations, mineral nutrition, hormone activity, circadian rhythms, photoperiodism, and flowering. Includes 3 lab hrs. Prerequisites: Four courses in biology; two courses in 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; 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 BIO 496.

*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.



PROGRAMS

Major in Biology (B.A.)		Semester Credit Hours
BIO112D*	Introduction to Molecular and Cellular Biology	4
BIO113D*	Introduction to Organismic Biology	4
BIO114D*	Introduction to Biodiversity, Ecology, and Adaptation.....	4
BIO399	Introduction to Research	1
BIO495	Biology Seminar	1
Choose from	.....	1
BIO493	Literature Review in Biology	
BIO496	Biology Research	
BIO499	Biology Symposium	1
Choose from environmental area:.....		4
BIO301	Wildlife Ecology and Management	
BIO302	Human Ecology	
BIO308	Invertebrate Biology	
BIO310K*	Human Impacts on Coral Reefs	
BIO311	Ecology	
BIO318K*	Ecuador and the Galápagos Islands: Natural History and Future Prospects	
BIO321	Aquatic Biology	
BIO322	Animal Behavior	
BIO361	Plant Taxonomy and Ecology	
Courses from Au Sable Institute of Environmental Studies		
Choose from organismic area:		4
BIO201	Human Anatomy	
BIO202	Human Physiology	
BIO209	Human Anatomy and Physiology	
BIO306	Vertebrate Histology	
BIO348	Neurobiology	
BIO352	Structure and Development of Vertebrates	
BIO365	Animal Physiology	
BIO366	Plant Physiology	
BIO375	Endocrinology	
Choose from cell and molecular area:.....		4
BIO207	Microbiology	
BIO312	Genetics	
BIO341	Cell Biology	
BIO351	Developmental Biology	
BIO370	Immunology	
BIO378	Molecular Biology	
BIO386	Biochemistry I	
BIO390	Ultrastructure	
Electives from 200-level or above biology courses		16
Two chemistry courses, excluding CHE105D* and CHE200.....		8
		52
General Education.....		51-52
Electives.....		18-19
	TOTAL	122

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

Major in Biology (B.S.)

**Semester
Credit Hours**

BIO112D*	Introduction to Molecular and Cellular Biology	4
BIO113D*	Introduction to Organismic Biology	4
BIO114D*	Introduction to Biodiversity, Ecology, and Adaptation.....	4
BIO399	Introduction to Research.....	1
BIO495	Biology Seminar	1
Choose from	.....	1
BIO493	Literature Review in Biology	
BIO496	Biology Research	
BIO499	Biology Symposium.....	1
Choose from environmental area:.....	.....	4
BIO301	Wildlife Ecology and Management	
BIO302	Human Ecology	
BIO308	Invertebrate Biology	
BIO310K*	Human Impacts on Coral Reefs	
BIO311	Ecology	
BIO318K*	Ecuador and the Galápagos Islands: Natural History and Future Prospects	
BIO321	Aquatic Biology	
BIO322	Animal Behavior	
BIO361	Plant Taxonomy and Ecology	
Courses from Au Sable Institute of Environmental Studies		
Choose from organismic area: .....	.....	4
BIO201	Human Anatomy	
BIO202	Human Physiology	
BIO209	Human Anatomy and Physiology	
BIO306	Vertebrate Histology	
BIO348	Neurobiology	
BIO352	Structure and Development of Vertebrates	
BIO365	Animal Physiology	
BIO366	Plant Physiology	
BIO375	Endocrinology	
Choose from cell and molecular area:.....	.....	4
BIO207	Microbiology	
BIO312	Genetics	
BIO341	Cell Biology	
BIO351	Developmental Biology	
BIO370	Immunology	
BIO378	Molecular Biology	
BIO386	Biochemistry I	
BIO390	Ultrastructure	
Electives from 200-level or above biology courses .....	.....	12
CHE111D*	General Chemistry I.....	4
CHE212	General Chemistry II.....	4
CHE221	Organic Chemistry I	4
CHE222	Organic Chemistry II	4
Choose from:.....	.....	8
PHY200D*	and 205 Introductory Physics I and II	
PHY290D*	and 295 General Physics I and II	

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Choose from (minimum 7):.....	7
MAT122M* Pre-Calculus	
MAT124M* Calculus I	
MAT125* Calculus II	
MAT131M* Statistical Analysis	
or PSY230M* Introduction to Statistical Methods and Experimental Design	
	71
General Education.....	51-52
Electives.....	0
	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 7-8 credits of electives.

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

**Semester
 Credit Hours**

BIO112D*	Introduction to Molecular and Cellular Biology	4
BIO113D*	Introduction to Organismic Biology	4
BIO114D*	Introduction to Biodiversity, Ecology, and Adaptation.....	4
BIO399, 495, 496, 499	Introduction to Research/Biology Seminar/Research/ Symposium	4
Choose from environmental area:.....		4
BIO301	Wildlife Ecology and Management	
BIO302	Human Ecology	
BIO308	Invertebrate Biology	
BIO310K*	Human Impacts on Coral Reefs	
BIO311	Ecology	
BIO318K*	Ecuador and the Galápagos Islands: Natural History and Future Prospects	
BIO321	Aquatic Biology	
BIO322	Animal Behavior	
BIO361	Plant Taxonomy and Ecology	
Courses from Au Sable Institute of Environmental Studies		
Choose from organismic area:		4
BIO201	Human Anatomy	
BIO202	Human Physiology	
BIO209	Human Anatomy and Physiology	
BIO306	Vertebrate Histology	
BIO348	Neurobiology	
BIO352	Structure and Development of Vertebrates	
BIO365	Animal Physiology	
BIO366	Plant Physiology	
BIO375	Endocrinology	
Choose from cell and molecular area:.....		4
BIO207	Microbiology	
BIO312	Genetics	
BIO341	Cell Biology	
BIO351	Developmental Biology	
BIO370	Immunology	
BIO378	Molecular Biology	
BIO386	Biochemistry I	
BIO390	Ultrastructure	

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CHE111D*	General Chemistry I.....	4
CHE212	General Chemistry II.....	4
GEL167D*	Geology.....	4
PHY110D*	Introduction to Astronomy.....	4
PHY200D*	Introductory Physics I.....	4
PHY205	Introductory Physics II.....	4
Choose from:.....		4
Any biology course from the above “choose from” listings		
CHE221	Organic Chemistry I	
CHE222	Organic Chemistry II	
Choose from:.....		4
MAT122M*	Pre-Calculus	
MAT124M*	Calculus I	
PSY230M*	Introduction to Statistical Methods and Experimental Design	
EDU200	Introduction to Education.....	3
EDU201	Introduction to Education Field Experience.....	1
EDU203	School Health and Drugs.....	2
EDU220	Introduction to Middle Level Education.....	3
EDU317GZ*	Understanding Diversity.....	3
EDU240	Educational Psychology.....	3
EDU241	Educational Psychology Field Experience.....	1
EDU320	Pedagogy of the Young Adolescent Learner.....	2
EDU420	Methods in Teaching 5–12 Science.....	3
EDU429	Middle Level Education Practicum in Science.....	1
EDU490	Student Teaching Block.....	15
		97
General Education.....		51-52
	TOTAL	148-149**

* 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 139-140 credits.

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

Major in Biochemistry/Molecular Biology (B.S.)

(See Multidisciplinary section.)

Minor in Biology

	Semester Credit Hours
Choose two from:.....	8
BIO112D* Introduction to Molecular and Cellular Biology	
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 Health Care Professional Programs

(See Pre-professional section.)

BUSINESS and ECONOMICS

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 *(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 or BUS130 or MAT124M; ECO201.

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.

BUS312 • 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. Prerequisites: BUS220; MAT131.

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.

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*(fall, 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)* 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*(fall)* 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 Management*(fall, spring)* 3 credits

Determination of marketing policy; marketing administration and application of principles pertaining to management of marketing resources. A comprehensive marketing project is an integral part of the course. Prerequisites: Two of the following: BUS315, BUS318, BUS319, BUS321, or BUS324; senior standing.

BUS430 • Strategic Management *(fall)* 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 *(fall, 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 *(fall, 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.

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 *(fall, 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.

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 *(fall)* 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 *(spring, even # yrs)* 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

PROGRAMS

Major in Business (B.A.)

Semester
Credit Hours

Core Courses^a

Choose one from:	3
BUS100M* ^b Business Calculus	
BUS130 Business Problem Solving	
BUS105 ^c Information Technology and Applications	3
BUS210 Financial Accounting	4
BUS220 Principles of Marketing	4
BUS230 Principles of Management	4
BUS344 Managerial Finance	4
BUS481 ^d Internship in Business or Internship in Business: Accounting.....	3-4
ECO201 Principles of Economics.....	4
MAT131M* Statistical Analysis	3

Choose one of the following emphases: 24-30

- *Accounting Emphasis (30 credits):*
 - BUS310 Intermediate Accounting I
 - BUS311 Intermediate Accounting II
 - BUS312 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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- 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 Management
- 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.)		Semester Credit Hours
BUS100M	Business Calculus * ^a	3
BUS105	Information Technology and Applications ^b	3
BUS210	Financial Accounting	4
BUS220	Principles of Marketing	4
BUS230	Principles of Management	4
BUS310	Intermediate Accounting I	4
BUS311	Intermediate Accounting II	4
BUS312	Federal Income Taxes	3
BUS313	Strategic Managerial Accounting	3
BUS344	Managerial Finance	4
BUS361	Business Law	3
BUS390	Investments	4
BUS410	Advanced Accounting	3
BUS414	Auditing Principles and Procedures	4
BUS440	Capital Markets	3
BUS470	Finance Seminar	3
BUS481	Internship in Business ^c	3-4
ECO201	Principles of Economics	4
ECO301	Intermediate Microeconomics	3
ECO302	Intermediate Macroeconomics	3
MAT131M	Statistical Analysis *	3
Choose two from:		6-7
BUS208	Business Writing	
BUS370G*	International Business * or	
BUS202Z	Introduction to International Business *	
ECO305	International Trade and Finance	
Electives ^d		21-25
(a minimum of 15 credits must be taken outside the Department of Business and Economics)		
		<hr/> 99-105
General Education		51-52
		<hr/> TOTAL 150

* 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.)^a

**Semester
Credit Hours**

BUS105	Information Technology and Applications.....	3
BUS110	Personal Finance.....	3
BUS130	Business Problem Solving.....	3
BUS210	Financial Accounting.....	4
BUS220	Principles of Marketing.....	4
BUS230	Principles of Management.....	4
BUS332	Entrepreneurship.....	3
BUS344	Managerial Finance.....	4
BUS361	Business Law.....	3
BUS370G*	International Business.....	3
BUS481	Internship in Business.....	3-4
COS100	Introduction to Programming.....	3
ECO201	Principles of Economics.....	4
One elective, a minimum of 3 credits from Business/Economics or Computer Science.....		
EDU200/201	Intro. to Education/Intro. to Education Field Experience.....	4
EDU203	School Health and Drugs.....	2
EDU220	Introduction to Middle Level Education.....	3
EDU317GZ*	Understanding Diversity.....	3
EDU240	Educational Psychology.....	3
EDU241	Educational Psychology Field Experience.....	1
EDU320	Pedagogy and the Young Adolescent Learner.....	2
EDU415	Middle Level Education Practicum in Business.....	1
EDU416	Methods in Teaching 5-12 Business.....	4
EDU490	Student Teaching Block.....	15

85-86

General Education

51-52

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.)		Semester Credit Hours
BUS105	Information Technology and Applications	3
BUS210	Financial Accounting	4
BUS220	Principles of Marketing	4
BUS230	Principles of Management	4
BUS344	Managerial Finance	4
BUS390	Investments.....	4
BUS440	Capital Markets.....	3
BUS481	Internship in Business.....	3-4
ECO201	Principles of Economics.....	4
ECO301	Intermediate Microeconomics	3
ECO302	Intermediate Macroeconomics.....	3
ECO340	Econometrics	4
ECO401	Advanced Economic Theory	3
ECO499	Senior Seminar	3
Choose from:	.....	3-4
BUS100M*	Business Calculus	
MAT124M*	Calculus 1	
MAT131M*	Statistical Analysis.....	3
Electives from business and/or economics courses,	.....	6
excluding ECO200 (maximum of 3 credits at the 100 level)		
		<hr/> 61-63
General Education.....		51-52
Electives.....		7-10
		<hr/> TOTAL 122

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

Major in Economics (B.A.)		Semester Credit Hours
ECO201	Principles of Economics.....	4
ECO301	Intermediate Microeconomics	3
ECO302	Intermediate Macroeconomics.....	3
ECO401	Advanced Economic Theory	3
ECO499	Senior Seminar	3
BUS481	Internship in Business.....	3-4
Electives from 200-level or above economics courses,	.....	13
excluding ECO200		
MAT124M*	Calculus 1.....	4
MAT131M*	Statistical Analysis	3
		<hr/> 39-40
General Education.....		51-52
Electives.....		30-32
		<hr/> 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		Semester Credit Hours
Choose from:		3
BUS100M ^a	Business Calculus	3
BUS130	Business Problem Solving	4
BUS210	Financial Accounting	4
BUS220	Principles of Marketing	4
BUS230	Principles of Management	4
BUS344	Managerial Finance	4
ECO201	Principles of Economics.....	4
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		Semester Credit Hours
ECO201	Principles of Economics.....	4
Choose from:		3
ECO301	Intermediate Microeconomics	3
ECO302	Intermediate Macroeconomics	3
Electives from 200-level or above economics courses, excluding ECO200		12
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, 104 • Introduction to General, Organic, (fall, spring) 4 credits/semester and Biochemistry I and II

The principles and concepts of general, organic, and biochemistry with an emphasis on applications to the life sciences. A two-course sequence. Includes 3 lab hrs.

CHE105D • Modern Alchemy: Chemistry (interim, spring) 4 credits 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 (fall) 4 credits

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 (fall, spring) 1 credit

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 (fall) 4 credits

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. Prerequisites: MAT124M (may be taken concurrently).

CHE212 • General Chemistry II (spring) 4 credits

Study of chemical kinetics, thermodynamics, solution equilibria, acids and bases, electrochemistry, descriptive inorganic chemistry, and nuclear chemistry. Includes 3 lab hrs. Prerequisite: CHE111D.

CHE221 • Organic Chemistry I (fall) 4 credits

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.

CHE222 • Organic Chemistry II*(spring)* 4 credits

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.

CHE325 • Advanced Organic Chemistry*(spring, even # yrs)* 4 credits

Bonding, kinetics, mechanisms of reactions, stereochemistry, and structure determination of organic compounds. Includes 3 lab hrs. Prerequisites: CHE222; CHE341.

CHE331 • Analytical Chemistry I*(fall)* 4 credits

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.

CHE332 • Analytical Chemistry II*(spring)* 4 credits

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.

CHE341 • Physical Chemistry I*(fall)* 4 credits

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.

CHE342 • Physical Chemistry II*(spring)* 4 credits

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.

CHE361 • Advanced Inorganic Chemistry*(spring)* 4 credits

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.

CHE386 • 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: CHE222; CHE341; BIO112D. BIO341 recommended. (Carries cross-credit in biology.)

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 BIO381.

CHE391 • Chemistry Seminar: (fall) 1 credit**Introduction to Chemical Information**

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.)****Semester
Credit Hours**

Choose from:	4-8
CHE111D*/CHE212 General Chemistry I, II	
CHE210D Accelerated General Chemistry	
CHE221 Organic Chemistry I	4
CHE222 Organic Chemistry II	4
CHE331 Analytical Chemistry I	4
CHE341 Physical Chemistry I	4
CHE391 Chemistry Seminar: Introduction to Chemical Information	1
CHE392 Chemistry Seminar: Introduction to Research	1
CHE493 Chemistry Seminar: Research	1
CHE494 Chemistry Seminar: Research Presentation	1
Electives from 300- or 400-level chemistry courses	12

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MAT124M*	Calculus 1.....	4
MAT125	Calculus 2.....	4
PHY290D*	General Physics I.....	4
PHY295	General Physics II.....	4
		52-56
General Education.....		51-52
Electives.....		14-19
		TOTAL 122

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

Major in Chemistry (B.S.)**(American Chemical Society certified major)****Semester
Credit Hours**

Choose from:	4-8
CHE111D*/CHE212 General Chemistry I, II	
CHE210D Accelerated General Chemistry	
CHE221 Organic Chemistry I	4
CHE222 Organic Chemistry II	4
CHE331 Analytical Chemistry I	4
CHE332 Analytical Chemistry II.....	4
CHE341 Physical Chemistry I.....	4
CHE342 Physical Chemistry II	4
CHE361 Advanced Inorganic Chemistry.....	4
CHE386 Biochemistry I	4
CHE391 Chemistry Seminar: Introduction to Chemical Information.....	1
CHE392 Chemistry Seminar: Introduction to Research	1
CHE493 Chemistry Seminar: Research	1
CHE494 Chemistry Seminar: Research Presentation	1
Electives from 300- or 400-level chemistry courses.....	6
MAT124M* Calculus 1.....	4
MAT125 Calculus 2.....	4
Choose from:	3
MAT222 Differential Equations	
MAT223 Multivariable Calculus	
PHY290D* General Physics I	4
PHY295 General Physics II	4
	65-69
General Education.....	51-52
Electives.....	0-2**
	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.)****Semester
Credit Hours**

Choose from: 4-8

CHE111D*/CHE212 General Chemistry I, II

CHE210D Accelerated General Chemistry

CHE200 Laboratory Safety and Chemical Hygiene 1

CHE221 Organic Chemistry I..... 4

CHE222 Organic Chemistry II 4

CHE331 Analytical Chemistry I 4

CHE341 Physical Chemistry I..... 4

CHE391 Chemistry Seminar: Introduction to Chemical Information..... 1

CHE392 Chemistry Seminar: Introduction to Research 1

CHE493 Chemistry Seminar: Research..... 1

CHE494 Chemistry Seminar: Research Presentation 1

Choose from: 4

BIO101D* Principles of Biology

BIO112D* Introduction to Cellular and Molecular Biology

BIO113D* Introduction to Organismic Biology

BIO114D* Introduction to Biodiversity, Ecology, and Adaptation

GEL167D* Geology 4

MAT124M* Calculus 1..... 4

MAT125 Calculus 2..... 4

PHY110D* Introduction to Astronomy..... 4

PHY290D* General Physics I 4

PHY295 General Physics II 4

EDU200 Introduction to Education 3

EDU201 Introduction to Education Field Experience 1

EDU203 School Health and Drugs 2

EDU220 Introduction to Middle Level Education 3

EDU317GZ* Understanding Diversity..... 3

EDU240 Educational Psychology 3

EDU241 Educational Psychology Field Experience 1

EDU320 Pedagogy of the Young Adolescent Learner 2

EDU420 Methods in Teaching 5–12 Science 3

EDU429 Middle Level Education Practicum in Science 1

EDU490 Student Teaching Block..... 15

90-94

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

	Semester Credit Hours
Choose from:	4-8
CHE111D*/CHE212 General Chemistry I, II	
CHE210D Accelerated General Chemistry	
Electives from 200- or 300-level chemistry courses.....	16
TOTAL	20-24

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

Pre-medicine and Other Health Care 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.



CLASSICS

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

	Semester Credit Hours
HIS310 Near Eastern and Greek Civilization	4
HIS311 Roman Civilization	4
Choose from culture:	3-4
ARH220 Art History: Ancient through Medieval	
PHI251 History of Philosophy I	
Choose from language:	3-4
GRK371 Advanced Greek Translation	
HEB102S* Introductory Biblical Hebrew II	
LAT102S* Introductory Classical Latin II	
Choose from electives (excluding courses taken in culture category):	3-4
ARH220 Art History: Ancient through Medieval	
BIB210 History of Ancient Israel	
BIB230 Israel Study Tour	
BIB236 Archaeology of the Southern Levant	
BIB264 Greece-Turkey Study Tour	
PHI251 Philosophical Traditions: Classical and Medieval	
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 spring)* **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.

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.

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 *(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.

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.

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)* 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.

COM355 • Intercultural Communication *(Europe Term; occasionally 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, photography, 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 *(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*(occasionally)* 3 credits**in Communication Analysis**

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*(spring)* 4 credits

Advanced research in rhetoric, communication, persuasion, ethics, and media. Emphasis on synthesis and integration. Prerequisite: Major in communication studies or media communication.



PROGRAMS

Major in Communication Studies (B.A.)	Semester Credit Hours
Communication Studies Core	
COM110N* Basic Communication	3
COM210 Perspectives on Human Communication	3
COM213 Media Communication	3
COM363 Methods of Communication Research	4
COM499 Senior Seminar	4
Choose from Communication Labs:.....	2
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:	4
COM301A* Oral Interpretation	
COM318 Argumentation and Debate	
COM386 Advanced Public Speaking	
Choose one of the following emphases:	23-39
• <i>Relational Studies Emphasis (24-25 credits):</i>	
Choose from:	4
COM220 Group Communication	
COM322 Advanced Group Communication	
COM370 Interpersonal Communication	4
COM400 Family Communication	4
Choose from (2 courses 300 level or above).....	9-10
COM314G* Gender Communication	
COM320 Persuasion	
COM355 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	
• <i>Rhetorical Studies Emphasis (23-24 credits):</i>	
COM320 Persuasion.....	4
COM361 Rhetorical Criticism	3
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	
COM355 Intercultural Communication	
COM370 Interpersonal Communication	

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• <i>Organizational Communication Emphasis</i> (37-39 credits):	
COM220	Group Communication.....4
COM302	Media Law .....3
COM348	Organizational Communication.....3
COM450	Corporate Communication.....3
COM481	Internship in Communication..... 3-4
ECO201	Principles of Economics .....4
ENW115	News Writing.....4
Choose a Communication Analysis course	3
COM325	Political Communication
COM361	Rhetorical Criticism
COM375	Media Criticism and Theory
Choose one of the following tracks.....	10-11
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
	46-62
General Education.....	51-52
Electives.....	8-25
	TOTAL 122

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

Major in Media Communication (B.A.)		Semester Credit Hours
Media Communication Core		
COM110N*	Basic Communication	3
COM135	Forensics Lab	1
COM210	Perspectives on Human Communication	3
COM213	Media Communication	3
COM363	Methods of Communication Research	4
COM499	Senior Seminar	4
Choose from Communication Labs:.....		1
COM136	Radio Lab	
COM138	Video Production Lab	
Choose from Communication Analysis courses:		3-4
COM320	Persuasion	
COM361	Rhetorical Criticism	
COM375	Media Criticism and Theory	
Choose from Relational Communication courses:		3-4
COM220	Group Communication	
COM348	Organizational Communication	
COM355	Intercultural Communication	
COM370	Interpersonal Communication	
ART100A*	2-Dimensional Design.....	3
COM272A*	Introduction to Media Production	4
COM300	Online Journalism	3
COM302	Media Law.....	3
COM310K*	Communication, Technology, and Society.....	3
Choose from:		3-4
COM481	Internship in Communication	
COM497	Directed Study	
Choose one of the following emphases:		15-17
• <i>Production Emphasis</i> (15 credits):		
Choose from:		
ART119A*	Photography	
ART212	Graphic Design	
ART322	Digital Imaging	
ART324	Digital Media	
COM352	Broadcast Journalism	
COM373	Digital Filmmaking	
COM374	Broadcast Production	
COM461	Advanced Topics in Media Production	
ENW115	News Writing	
ENW305A*	Screenwriting	
ENW319	Advanced Journalism	
[LAFSC]	Hollywood Production Workshop	
[LAFSC]	Motion Picture Production	
[LAFSC]	Professional Screenwriting	
• <i>Media Criticism Emphasis</i> (16-17 credits):		
FLM200	Introduction to Film.....	3
FLM301	Film Theory and History	4
PHI310	Aesthetics.....	3

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Choose from:	6-7
ENL206	Shakespeare and Film	
ENL241L*	Modern Mythmakers	
ENW305A*	Screenwriting	
COM461	Advanced Topics in Media Production	
COM463	Advanced Topics in Communication Analysis	
PHI302	Philosophy and Film	
		58-63
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

	Semester Credit Hours
COM110N*	Basic Communication .....3
COM320	Persuasion.....4
Choose from:	.....3-4
COM213	Media Communication
COM220	Group Communication
Choose from:	.....4
COM301A*	Oral Interpretation
COM318	Argumentation and Debate
COM386	Advanced Public Speaking
Choose from:	.....3-4
COM348	Organizational Communication
COM355	Intercultural Communication
COM361	Rhetorical Criticism
COM370	Interpersonal Communication
Elective from 300- or 400-level communication courses	.....3
	TOTAL 20-22

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

Minor in Media Communication

	Semester Credit Hours
COM110N*	Basic Communication .....3
COM213	Media Communication .....3
COM272A*	Introduction to Media Production .....4
COM302	Media Law.....3
Choose from:	.....3
COM373	Digital Filmmaking
COM374	Broadcast Production
Choose from:	.....3-4
COM352	Broadcast Journalism
COM480	Speechwriting
ENW115	News Writing
ENW205A*	Essay Writing
ENW211	Feature Writing for Newspapers and Magazines
	TOTAL 19-20

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

COMPUTER SCIENCE

The computer science major is a four-year program designed to acquaint the student with this rapidly expanding, contemporary subject. The computer science program has been carefully constructed to build upon the broad liberal arts and biblical studies courses that are part of every student's program at Bethel. In today's complex world, communication skills and historical perspectives are of critical importance to computer professionals.

Student access to computing hardware is a major emphasis in the program. Hands-on experiences are provided throughout the program, beginning with the first course in the sequence. Students are also encouraged to gain practical work experience while they are enrolled in the program. The department supervises internships at local companies, subject to faculty availability. There is also opportunity for employment in the Information Technology Services Computing Center.

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.

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 (may be taken concurrently).

COS318 • Web Programming*(fall)* **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: COS105; MAT211 or MAT222. (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: COS301.

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: COS301.

**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: COS301.

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: COS301.

PROGRAMS

Major in Computer Science (B.S.)

**Semester
Credit Hours**

COS100	Introduction to Programming	3
COS105	Computer Science 1	4
COS212	Computer Science 2	4
COS214	Computer Systems	4
COS216	Data Structures and Objects	3
COS301	Operating Systems and Computer Architecture	4
COS313	Database Systems	3
COS318	Web Programming	3
COS371	Organization of Programming Languages	3
COS377	Software Engineering	3
COS386	Data Communications and Computer Networks	3
COS389	Artificial Intelligence	3
COS490	Topics in Computer Science	3
Choose from:	.....	3
COS344	Numerical Methods	
COS376	Operations Research	
PHY350	Computer Methods in Physics and Engineering	
GES334K*	Perspectives on Computing and Society	3
MAT124M*	Calculus 1	4
MAT125	Calculus 2	4
MAT211	Linear Algebra	3
MAT241	Discrete Mathematics	3
MAT330	Probability and Statistics	3
		66
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.)

	Semester Credit Hours
COS100 Introduction to Programming	3
COS105 Computer Science 1	4
COS212 Computer Science 2	4
COS214 Computer Systems	4
COS216 Data Structures and Objects	3
COS301 Operating Systems and Computer Architecture	4
COS318 Web Programming	3
GES334K* Perspectives on Computing and Society	3
MAT124M* Calculus 1	4
MAT241 Discrete Mathematics	3
Choose from:	3
COS313 Database Systems	
COS377 Software Engineering	
COS386 Data Communications and Computer Networks	
Electives from 300-level or above computer science courses	9
	<hr/> 47
General Education	51-52
Electives	23-24
	<hr/> TOTAL 122

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

Minor in Computer Science

	Semester Credit Hours
COS100 Introduction to Programming	3
COS105 Computer Science 1	4
COS212 Computer Science 2	4
COS214 Computer Systems	4
COS216 Data Structures and Objects	3
Elective from 200-level or above computer science courses	3
	<hr/> TOTAL 21

Minor in Management Information Systems

	Semester Credit Hours
COS100 Introduction to Programming	3
COS105 Computer Science 1	4
COS212 Computer Science 2	4
COS216 Data Structures and Objects	3
COS318 Web Programming	3
Choose from:	3
COS313 Database Systems	
COS377 Software Engineering	
	<hr/> 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 2005-2006 school year. Our education program completers had a 99.0 (PPST) and 97.6 (Praxis II) percentile 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
2. Master of education degree options: (a) education K-12; (b) special education; (c) special education: E/BD; (d) special education: LD; (e) literacy education.
3. Special education licensure options: (a) emotionally/behaviorally disordered; (b) learning disabilities.
4. Teachers of Reading Licensure K-12.
5. Certificate in Literacy K-12.

In addition, there is an initial licensure program for people holding a B.A. or B.S. in an appropriate field. The Master of Arts in Teaching leads either to a 5-12 or K-12 license and a master's degree. 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 specialities 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

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

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.

Admission to the university does not ensure admission to the education program, and admission 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. Designated 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

An approach to drugs and drug use from a variety of perspectives—behavioral, pharmacological, social, legal, and clinical. Emphasis, however, is placed on the characteristics of effective comprehensive school-based drug abuse prevention programs (school, community, work-site). Examples include the social development prevention model, ecological model, peer resource model, and social context model.

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** **3 credits**
 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** **1 credit**
 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** **2 credits**
 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** **1 credit**
 Principles, curriculum, and methods of teaching physical education in grades K-6.
- EDU366A • Visual Arts Curriculum and Methods** **1 credit**
 Methods, materials, and resources for teaching visual arts in grades K-6.
- EDU367 • Intermediate Grade Practicum** **1 credit**
 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** **1 credit**
 Methods, materials, and resources for teaching music in grades K-6.
- EDU370 • Math Curriculum and Methods** **2 credits**
 Methods, materials, and resources for teaching mathematics in grades K-6. Emphasis placed on problem solving, inquiry, and conceptual understanding in a standards-based classroom.
- EDU371 • Science Curriculum and Methods** **2 credits**
 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 *(interim, even # yrs; spring, odd # yrs)* **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.

PROGRAMS**K–6 Elementary Education Core**

	Semester Credit Hours
EDU200	Introduction to Education .....3
EDU201	Introduction to Education Field Experience .....1
EDU245	Kindergarten Education.....1
EDU270	K-6 Education Block 1.....8
EDU317GZ ^a	Understanding Diversity .....3
EDU360	K-6 Education Block 2.....16
EDU490	Student Teaching Block.....15
MAT201M*	Mathematics for Elementary Education 1.....3
MAT202	Mathematics for Elementary Education 2.....3
NAS101D**	Science Concepts—Life Science .....2
NAS102D** ^b	Science Concepts—Earth/Space Science .....2
NAS103D**	Science Concepts—Chemistry .....2
NAS104D**	Science Concepts—Physics.....2
	<hr/> 61

* 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.

**Major in K–6 Elementary Education with
Preprimary Specialty (age 3–grade 6) (B.A.)**

	Semester Credit Hours
K–6 Elementary Education Core.....	61
EDU225	Education Technology .....1
EDU292	Foundations of Early Childhood Education .....3
EDU293	Foundations of Early Childhood Education Field Experience .....1
EDU306	Curriculum in Early Childhood Education .....4
EDU307	Curriculum in Early Childhood Education Field Experience.....2
EDU340	Parent-Child and Family Relationships .....3
EDU342	Observation, Assessment, Adaptation, and Referral in Early Childhood Education .....3
EDU343	Observation, Assessment, Adaptation, and Referral in Early Childhood Education Field Experience .....1
EDU344	Health, Nutrition, and Safety with Young Children.....2
EDU489	Student Teaching in Preprimary.....5
	<hr/> 86
General Education	51-52
	<hr/> TOTAL 137-138**

** 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.)

**Semester
Credit Hours**

K–6 Elementary Education Core.....	61
EDU220 Introduction to Middle Level Education	3
EDU320 ^a Pedagogy and the Young Adolescent Learner	2
Middle Level Specialty (listed below)	17-25
	83-91
General Education	51-52
TOTAL	134-143**

^a 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^b (*Elementary Education majors only*)

COM110N* Basic Communication	3
Choose from:	3
ENL100N* Great Writers: An Introduction to Literature	
ENL215U* World Literature	
ENL200 Juvenile Literature	3
ENW205A* Essay Writing.....	4
EDU406 Methods in Teaching Middle Level English	3
EDU407 Middle Level Education Practicum in English	1
Choose one from:	4
ENL102 Survey of British Literature I	
ENL202 Survey of British Literature II	
ENL204 American Literary Traditions	
TOTAL	21

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

Specialty in Mathematics (*Elementary Education majors only*)

MAT124M* Calculus 1	4
MAT125 Calculus 2	4
Choose from:	3
MAT131M* ^b Statistical Analysis	
MAT330 Probability and Statistics	
MAT241 Discrete Mathematics	3
MAT351 Modern Geometry.....	3
EDU411 Middle Level Education Practicum in Mathematics	1
EDU412 Methods in Teaching 5-8 and 9-12 Mathematics.....	3
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.

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Specialty in Science (*Elementary Education majors only*)

PHY110D* ^a	Introduction to Astronomy	4
GEL167D* ^a	Geology	4
Choose from:	.....	4
BIO103D*	Human Biology	
BIO113D*	Introduction to Organismic Biology	
BIO114D*	Introduction to Biodiversity, Ecology, and Adaptation	
ENS102D*	Environment and Humanity	
Choose from:	.....	4
CHE111D*	General Chemistry I	
CHE105D*	Modern Alchemy: Chemistry for Non-Scientists	
PHY100D*	Concepts in Physics	4
EDU428	Methods in Teaching 5-8 Science.....	2
EDU429	Middle Level Education Practicum in Science	1
	TOTAL	23

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

ECO201	Principles of Economics.....	4
EDU419	Middle Level Seminar and Practicum in Social Studies 5-8.....	2
GEO120	Introduction to Geography.....	3
HIS320K*	History and the Human Environment	3
POS100	American Politics and Government.....	3
SOC101	Introduction to Sociology.....	3
HIS200L*	American Civilization.....	3
	TOTAL	21

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

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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 World Languages and Cultures K-12.....	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 World Languages and Cultures K-12.....	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

ENGINEERING SCIENCE

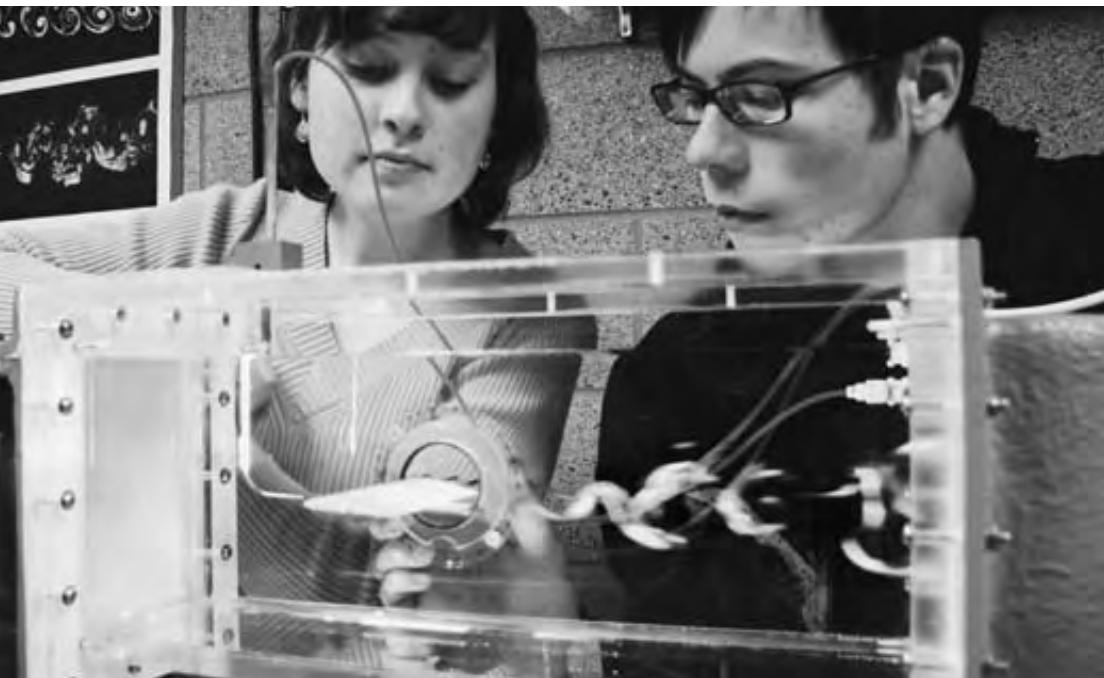
B.A./B.S. Dual-Degree Engineering Science Program

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.)

		Semester Credit Hours
CHE111D*	General Chemistry I	4
COS205	Scientific Computing.....	3
MAT124M*	Calculus 1	4
MAT125	Calculus 2	4
MAT222	Differential Equations	3
MAT223	Multivariable Calculus.....	3
PHY290D*	General Physics I.....	4
PHY295	General Physics II.....	4
Choose from	.....	3-4
COS344	Numerical Methods	
PHY350	Computer Methods in Physics and Engineering	
Electives from the following:	.....	12
CHE212 ^a	General Chemistry II	
CHE221 ^a	Organic Chemistry I	
CHE222 ^a	Organic Chemistry II	
MAT211	Linear Algebra	
MAT330	Probability and Statistics	
PHY300	Electronics	
PHY310	Modern Physics	
PHY320	Mathematical Methods in Physics and Engineering	
PHY340	Mechanics	
PHY420	Fluid Mechanics	
PHY450	Topics in Applied Physics	
		<hr/> 44-45
General Education		51-52
Electives		25-27**
		<hr/> 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.

^aRequired 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 (fall, spring) 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 *(fall 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 2009)* **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 • Society and Nature: From Classic to Romantic *(spring 2011)* **4 credits**

British literature from Dryden, Pope, and Swift to Wordsworth, Keats, Shelley, and Byron. Emphasis on social and literary satire, Romantic nature poetry, the changing role of the imagination, and criticism by Johnson and Coleridge.

ENL311 • American Civil War Literature *(spring, odd # yrs)* **4 credits**
 Study of the American Civil War and its appeal to historical and literary imaginations. Selected wars are studied in historical context, including the causes, the course of the war, and the consequences of the war for the nation.

ENL313 • The Harlem Renaissance and Beyond *(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 *(occasionally fall, spring)* 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 *(interim or spring)* **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, COM213, or instructor consent.

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.

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.

ENW305A • 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: ENW100A or FLM200.

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 *(spring, even # yrs)* 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 *(fall or interim)* 4 credits
 Metrics, imagery, and other techniques of versification, with practice in writing in a wide variety of genres.

ENW319 • Advanced Journalism *(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.

ENW481 • Internship in Writing *(offered by arrangement)* 3 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.)

**Semester
Credit Hours**

ENL102	Survey of British Literature I	4
ENL202	Survey of British Literature II	4
ENL204	American Literary Traditions	4
ENL303	Shakespeare: The Art of the Dramatist	4
ENL498	Research Seminar in English.....	1
ENL499	Senior Seminar: The Writer as Believer.....	3
Choose from:	.....	4
ENL301	Chaucer and Writers of Arthurian Quests	
ENL304	Milton and the 17th Century	
ENL309	Society and Nature: From Classic to Romantic	
Choose from:	.....	4
ENL311	American Civil War Literature	
ENL313	The Harlem Renaissance and Beyond	
Choose from:	.....	4
ENL350	20th Century Literature	
ENL352	Contemporary Literature	
Choose from:	.....	3-4**
ENL215U*	World Literature	
ENL365	Topics in Literary Studies	
		35-36
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.)

**Semester
Credit Hours**

ENW115	News Writing.....	4
ENW206	Journalism Workshop.....	1
ENW211	Feature Writing for Newspapers and Magazines.....	4
ENW212	Principles of Editing and Design.....	4
ENW306	Journalism Workshop.....	1
ENW319	Advanced Reporting.....	4
ENW481	Internship in Writing.....	3
ENL498	Research Seminar in English.....	1
ENW499	Critical Issues in Journalism.....	3
COM213	Media Communication.....	3
COM302	Media Law.....	3
One literature course (300-level or above)**.....		3-4
Choose from:		4
ENL102	Survey of British Literature I	
ENL202	Survey of British Literature II	
ENL204	American Literary Traditions	
Choose from:		3
ENW308	Community Journalism	
ENW342	Advocacy Journalism	
ENW360	Topics in Journalism	
Choose from:**.....		3-4
ENL341K	Environmental Writing	
ENW215	Photojournalism	
ENW303AZ*	Travel Writing	
COM300	Online Journalism	
COM352	Broadcast Journalism	

47-49

General Education	51-52
Electives	21-24

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, SPA305, SPA312, SPA313, or SPA318.

Major in English Literature and Writing (B.A.)

**Semester
Credit Hours**

ENL102	Survey of British Literature I	4
ENL202	Survey of British Literature II	4
ENL204	American Literary Traditions	4
ENL498	Research Seminar in English.....	1
ENW100A*	Introduction to Creative Writing.....	3
ENW205A*	Essay Writing	4
Choose from:	.....	3-4
ENL498	Research Seminar in English	
ENL499	Senior Seminar: The Writer as Believer or	
ENW481	Internship in Writing	
Choose two from:	.....	8
ENL301	Chaucer and Writers of Arthurian Quests	
ENL303	Shakespeare: The Art of the Dramatist	
ENL304	Milton and the 17th Century	
ENL309	Society and Nature: From Classic to Romantic	
Choose two from:	.....	8
ENL311	American Civil War Literature	
ENL313	The Harlem Renaissance and Beyond	
ENL350	20th Century Literature	
ENL352	Contemporary Literature	
ENL365	Topics in Literary Studies	
Electives from writing (ENW) courses,	excluding ENW340	11
		<hr/>
		50-51
General Education		51-52
Electives		20-21
		<hr/>
	TOTAL	122

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



Major in Communication Arts and Literature Education 5–12 (English Education) (B.A.)

	Semester Credit Hours
ENL102 Survey of British Literature I	4
ENL200 Juvenile Literature	3
ENL202 Survey of British Literature II	4
ENL204 American Literary Traditions	4
ENL215U* World Literature.....	3
ENL303 Shakespeare: The Art of the Dramatist	4
Choose from:	4
ENL313 The Harlem Renaissance and Beyond	
ENL350 20th Century Literature	
ENL352 Contemporary Literature	
ENW201 Methods of Tutoring Writing	1
ENW205A* Essay Writing	4
Choose one 3 or 4 credit ENW course	3-4
COM110N* Basic Communication	3
COM213 Media Communication	3
EDU200 Introduction to Education.....	3
EDU201 Introduction to Education Field Experience	1
EDU203 School Health and Drugs	2
EDU220 Introduction to Middle Level Education	3
EDU317GZ* Understanding Diversity	3
EDU240 Educational Psychology.....	3
EDU241 Educational Psychology Field Experience	1
EDU406 Methods in Teaching Middle Level English	3
EDU407 Practicum in Teaching Middle Level English	1
EDU408 Methods in Teaching 9–12 English	4
EDU490 Student Teaching Block.....	15
	79-80
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

	Semester Credit Hours
ENL204 American Literary Traditions.....	4
Choose from:	4
ENL102 Survey of British Literature I	
ENL202 Survey of British Literature II	
Electives from literature (ENL) courses at the 200-level or above *	10
TOTAL	18

* Can include up to 4 credits from FRE305, SPA300, SPA305, SPA312, SPA313, or SPA318 to fulfill this requirement.

Minor in Creative Writing

	Semester Credit Hours
ENW100A* Introduction to Creative Writing.....	3
Choose from:	4
ENW202A* Fiction Writing	
ENW305A* Screenwriting	
ENW317A* Poetry Writing	
Choose from:	3-4
ENW303AZ* Travel Writing	
ENW310 Nonfiction Prose	
ENL/ENS341K*Environmental Writing	
Choose from:	3
ENW300A* Writers Workshop	
ENW481 Internship in Writing	
Two electives from courses listed above.....	6-8
TOTAL	19-22

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

	Semester Credit Hours
COM213 Media Communications.....	3
ENW115 News Writing.....	4
ENW206 Journalism Workshop.....	1
ENW211 Feature Writing for Newspapers and Magazines.....	4
ENW212 Principles of Editing and Design	4
Choose from:	3-4
ENW308 Community Journalism	
ENW319 Advanced Reporting	
ENW342 Advocacy Journalism	
TOTAL	19-20

ENVIRONMENTAL STUDIES

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.

ENS310K • 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.)

ENS318K • 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.)

ENS335K • 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.)

ENS341K • 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.)

ENS399 • 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.

ENS481 • 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.

ENS496 • 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**(spring) 1 credit**

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.

PROGRAMS

Major in Environmental Science (B.S.)		Semester Credit Hours
BIO113D*	Introduction to Organismic Biology.....	4
BIO311	Ecology.....	4
ENS102D*	Environment and Humanity.....	4
ENS/GEO201	Introduction to Geographic Information Systems.....	2
ENS205L*	Sustainable Living.....	3
ENS305K*	Transforming Technology: Environmental Perspectives.....	3
ENS/PHI335K*	Environmental Ethics.....	3
ENS/ENL341K*	Environmental Writing.....	3
ENS399	Introduction to Research.....	1
ENS481	Internship in Environmental Studies.....	4
ENS496	Research in Environmental Studies.....	1
ENS498	Seminar in Environmental Studies.....	1
GEL167D*	Geology.....	4
HIS/GEO320K*	History and the Human Environment.....	3
Choose from:.....		8
CHE103D*-104	Introduction to General, Organic, and Biochemistry I & II	
CHE111D*-212	General Chemistry I & II	
Choose from:.....		12
BIO/ENS301	Wildlife Ecology and Management	
BIO308	Invertebrate Biology	
BIO321	Aquatic Biology	
BIO361	Plant Taxonomy and Ecology	
CHE221	Organic Chemistry I	
CHE222	Organic Chemistry II	
CHE331	Analytical Chemistry I	
CHE332	Analytical Chemistry II	
		60
General Education.....		51-52
Electives.....		10-11
	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.

Major in Environmental Studies (B.A.)

**Semester
Credit Hours**

BIO113D*	Introduction to Organismic Biology	4
BIO311	Ecology	4
ENS102D*	Environment and Humanity	4
ENS205L*	Sustainable Living	3
ENS305K*	Transforming Technology: Environmental Perspectives	3
ENS/PHI335K*	Environmental Ethics	3
ENS/ENL341K*	Environmental Writing	3
ENS399	Introduction to Research	1
ENS481	Internship in Environmental Studies	4
ENS496	Research in Environmental Studies	1
ENS498	Seminar in Environmental Studies	1
HIS/GEO320K*	History and the Human Environment	3
Six additional 3- or 4-credit courses from one or two departments.		
At least three courses must be 300-level or above		18-24
		<hr/>
		52-58

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.



FAMILY STUDIES

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.)





PROGRAMS

Minor in Family Studies

**Semester
Credit Hours**

FAS200	Family Perspectives: Understanding the Family	3
FAS305	Family Social Policy	3
FAS313G*	Families in Cross-Cultural Perspective	3
GES208	Human Sexuality	3
GES426P*	Family Interaction	3
Choose from:	.....	6
EDU340	Parent-Child and Family Relationships	
GES402P*	Perspectives on Christian Marriage	
GES405P*	Ethical Relationships: Choosing the Good in Family and Community Life	
GES410P*	Family Life Cycle	
GES445P*	Aging from a Cross-Cultural Perspective: Living in a Graying World	
GES446P*	Recent Immigrants: Challenges and Potentials	
GES451P*	Spirituality, Sexuality, and the Family	
PSY203	Lifespan Development	
PSY206	Child and Adolescent Development	
PSY211	Adult Development and Aging	
	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.



PROGRAMS

Minor in Film Studies

**Semester
Credit Hours**

FLM200	Introduction to Film.....	3
FLM300	Film Theory and Interpretation.....	4
Choose from Film Analysis and Interpretation Courses:.....		3-4
COM213	Media Communication	
ENL206	Shakespeare and Film	
ENL241L*	Modern Mythmakers	
FLM305	Films of Great Directors	
PHI215L*	Film and Modern Sensibility	
PHI302	Philosophy and Film	
PHI310	Aesthetics	
[LAFSC]	Theology in Hollywood	
Choose from Film Production courses:.....		3-4
COM373	Field Production	
ENW305A*	Screenwriting	
FLM481	Internship in Film Studies	
THA370	Directing	
[LAFSC]	Hollywood Production Workshop	
[LAFSC]	Internship: Inside Hollywood	
[LAFSC]	Motion Picture Production	
[LAFSC]	Professional Screenwriting	
Choose two electives from Film Analysis, Interpretation, or Film Production courses:		6-8
TOTAL		19-23

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 STUDIES

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. 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.

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 so 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. Students who complete at least two courses in the sequence are eligible for partial General Education credit. See the Academic Information section of this catalog for further information. Contact the director of the Humanities Program for details.

GES145, 146 • Western Humanity in Christian Perspective I and II: The Greco-Roman World through the Enlightenment (fall, spring) 4/4 credits

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. Students experience artistic performances or exhibitions in historical context. 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) 4/4 credits

The two-course sequence focuses on 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. GES146 is a prerequisite for GES 245. 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.

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 health care 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****(spring) 3 credits**

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. The questions at the heart of this course are: “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. 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. fMRI, MRI, 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 (*occasionally interim*) **3 credits**

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.

GES337G • Psychosocial Perspectives on Genocide (*occasionally spring*) **3 credits**

Examination of the nature of genocide with an emphasis on historical and psychosocial influences in the actions of perpetrators, bystanders, and victims. Discussion of relevant religious and moral issues. Study includes the Armenian, Cambodian, Rwandan, and Bosnian Muslim genocides as well as the Holocaust. 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, interim, 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 health care practices, reproductive methods, allocation of health care 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 *(fall, interim, spring)* 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.

GES432P • Christian Responses to Postmodernism *(occasionally)* 3 credits

Examination of postmodern theory and its effects on our 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 *(interim, odd # yrs)* **3 credits**

Aging processes and roles of the older person in our own society and other cultures. Choices confronting students in their own aging, their relationship to aging parents and friends, and living and operating in a rapidly aging world as Christians. 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 of 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 to 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 sport and culture, sport 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.

GES460P • Christian Commitment in a Secular Age: Liberalism and Conservatism *(interim, spring, odd # yrs)* 3 credits

Despite the appeal of the cliché, "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 of 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 the philosophy that the key to health is the quality of one's lifestyle, which has physical, mental, emotional, social, and spiritual aspects. Therefore, the aim of the health and physical education program is to promote health and wellness through the acquisition of skills and knowledge that can be integrated into a holistic lifestyle. The department also provides professional programs in health and physical education that are designed to prepare students to teach health education and physical education; to coach athletic teams; and to work in areas such as fitness, recreation, sports medicine, and exercise science.

Bethel's Athletic Training Education Program (ATEP) is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) and is designed to prepare students for the Board of Certification (BOC) exam and for careers as certified athletic trainers. The athletic training program combines formal classroom instruction with clinical experiences to develop the specific health care skills and knowledge required in this profession.

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. Open to men and women.

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. Open to men and women.

PEA119Q • Self-Defense *(fall, interim, spring)* 1 credit

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.

PEA122Q • Badminton *(fall, spring)* 1 credit

Basic badminton skills, player position, and strategy. Includes instruction, drills, practice, playing time, a class tournament, history, rules, etiquette, and equipment needs.

PEA124Q • Fundamentals of Basketball *(occasionally)* 1 credit

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.

PEA130Q • Beginning Snowboarding *(interim)* 1 credit

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.

PEA131Q • Intermediate Snowboarding *(interim)* 1 credit

Intermediate and advanced boarding skills on intermediate and expert terrain. Emphasis on developing riding technique to tackle bumps, steps, carving and terrain park features.

PEA132Q • Golf *(fall, spring)* 1 credit

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.

PEA133Q • Intermediate Golf *(fall or spring)* 1 credit

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.

PEA136Q • Racquetball *(fall, spring)* 1 credit

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.

PEA138Q • Beginning Downhill Skiing *(interim)* 1 credit

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.

PEA139Q • Intermediate Downhill Skiing *(interim)* 1 credit

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.

PEA140Q • Cross-Country Skiing I *(interim, offered occasionally)* 1 credit

Recreational ski touring techniques. Equipment, waxing, and safety in the winter environment. An all-day ski trip off campus. Open to beginners and intermediates.

PEA141Q • Cross-Country Skiing II *(occasionally interim)* **1 credit**
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.

PEA142Q • Slow-Pitch Softball *(fall, spring)* **1 credit**
Fundamental skills of slow-pitch softball for the recreational player.

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)* **2 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 health care, 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 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*
 American Red Cross Responding to Emergencies course emphasizes the citizen responder as the first link in the emergency medical services system. Includes first aid, community CPR, and AED essentials.

HPE130 • Personal and Community Health *(fall, spring) 3 credits*
 The most current information on major health issues and how to use that information while developing skills to make informed health-related decisions. Deals with consumer choices, personal health choices, sexual choices, drug/alcohol choices, disease, 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*
 An introduction to the foundations and principles of school and community health education for the entry-level health educator.

HPE247 • Motor Development and Learning *(fall)* 2 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. Prerequisites: HPE200Q; HPE210.

**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*

An exposure of the entry-level health educator to a theoretical basis for planning, structuring, administering, evaluating, and adapting organized health education programs for diverse populations. 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. Prerequisites: HPE200Q; HPE201; HPE210; HPE247.

HPE318 • Epidemiology *(fall, even # yrs) 3 credits*

Basic information and its application to the delivery of services regarding diseases and disorders common in the United States—including medical terminology, clinical signs, symptoms, diagnostic procedures, and examination of lifestyle behaviors. Prerequisites: CHE103D, 104; BIO101D, BIO103D, or BIO109D; BIO209 or both BIO201 and BIO202; PSY230M.

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*

Role of the teacher and the school in responding to special needs of students. An emphasis on health promotion, prevention, and referral. Chemical use and abuse, posture, eating disorders, child abuse and neglect, and intentional and unintentional injuries.

HPE345 • Disease and Injury Control *(fall, odd # yrs) 3 credits*

An analysis of common diseases and disorders: clinical signs and symptoms, common diagnostic procedures, and examination of lifestyle behaviors that contribute to their prevention and control. A synthesis of the three major elements of injury prevention: the nature and magnitude of injury, the basic concepts of prevention, and practical approaches for implementing prevention programs. Prerequisites: HPE120; HPE130; HPE225.

HPE375 • Biomechanics *(spring) 3 credits*

Mechanics of sports performance and anatomical kinesiology. Newtonian mechanics, types of motion, application of force, maintenance of equilibrium, and fluid dynamics. Prerequisite: 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 *(fall) 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, odd # years) 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). Prerequisites: 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**(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. 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**

Integration of materials studied as part of the community health major. The integration of Christian faith and the theory and practice of community health. Designed to be an interactive seminar; research presented in the form of a journal article, thesis, or grant proposal. 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**

PROGRAMS**Major in Exercise Science (B.S.)**

	Semester Credit Hours
ATR325	Prevention and Care of Athletic Injuries.....2
HPE120	First Aid.....2
HPE130	Personal and Community Health.....3
Choose from:	.....3-4
HPE200Q*	Professional Activities I
HPE210	Professional Activities II
HPE247	Motor Development and Learning .....2
HPE250	Statistics and Research Methods in Applied Health Science .....3
HPE270	Applied Nutrition and Physical Fitness .....3
HPE375	Biomechanics.....3
HPE379	Exercise Physiology.....3
HPE399	Physiological Assessment .....4
HPE445	Human Performance Laboratory.....3
HPE491	Internship .....3
HPE498	Senior Seminar in Exercise Science.....3
Choose from:	.....4
BIO103D*	Human Biology
BIO109D*	General Biology
BIO112D*	Introduction to Molecular and Cellular Biology
BIO201	Human Anatomy.....4
BIO202	Human Physiology .....4
CHE111D*	General Chemistry I.....4
Choose from:	.....4
PHY100D*	Concepts in Physics
PHY200D*	Introductory Physics I
PSY100	Introduction to Psychology.....3
	60-61
General Education.....	51-52
Electives (4 credits must be at 300 level or above)	9-12
	TOTAL 122

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

Major in Physical Education K–12 (B.A.)

**Semester
Credit Hours**

HPE120	First Aid	2
HPE130	Personal and Community Health.....	3
HPE200Q ^a	Professional Activities I	4
HPE201	Foundations of Physical Education	2
HPE210 ^a	Professional Activities II.....	3
HPE215	Professional Activities III	2
HPE220A*	Educational Rhythms	3
HPE247	Motor Development and Learning.....	2
HPE306	Administration of Athletics and Physical Education.....	2
HPE316	Curriculum Development in Physical Education.....	3
HPE320	Developmental and Adapted Physical Education	3
HPE340	School Health and Drug Issues	3
HPE375	Biomechanics	3
HPE376	Exercise Physiology for Health and Physical Education	3
Choose from:	.....	4
BIO101D*	Principles of Biology	
BIO109D*	General Biology	
BIO209	Human Anatomy and Physiology	4
EDU200	Introduction to Education.....	3
EDU201	Introduction to Education Field Experience	1
EDU220	Introduction to Middle Level Education	3
EDU240	Educational Psychology.....	3
EDU241	Educational Psychology Field Experience	1
EDU317GZ*	Understanding Diversity	3
EDU320	Pedagogy of the Young Adolescent Learner	2
EDU424	Methods in Teaching K-12 Physical Education.....	3
EDU425	Middle Level Education Practicum in Physical Education.....	1
EDU490	Student Teaching Block	15

83

General Education..... 51-52

TOTAL 134-135**

* 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.

Major in Health Education 5–12 (B.A.)

		Semester Credit Hours
HPE120	First Aid	2
HPE130	Personal and Community Health.....	3
HPE225	Foundations of Health Education	2
HPE314	Administration and Evaluation of Health Education.....	3
HPE318	Epidemiology	3
HPE340	School Health and Drug Issues	3
HPE345	Disease and Injury Control	3
BIO103D*	Human Biology	4
BIO209	Human Anatomy and Physiology	4
CHE103D*	Introduction to General, Organic, and Biochemistry I.....	4
EDU200	Introduction to Education.....	3
EDU201	Introduction to Education Field Experience	1
EDU220	Introduction to Middle Level Education	3
EDU240	Educational Psychology.....	3
EDU241	Educational Psychology Field Experience	1
EDU317GZ*	Understanding Diversity	3
EDU320	Pedagogy of the Young Adolescent Learner	2
EDU422	Curriculum and Methods of 5-12 Health Education	3
EDU423	Middle Level Education Practicum in Health.....	1
EDU490	Student Teaching Block	15
GES208	Human Sexuality	3
PSY230M*	Introduction to Statistical Methods and Experimental Design.....	4
		<hr style="width: 100%; border: 0.5px solid black;"/>
		73
General Education.....		51-52
		<hr style="width: 100%; border: 0.5px solid black;"/>
TOTAL		124-125**

*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.

Students must earn a grade of *C* or better in each course in the major (HPE, BIO, CHE, EDU, GES, PSY). Courses with grades of *C-* or lower must be repeated.

Major in Community Health (B.A.)

**Semester
Credit Hours**

HPE120	First Aid.....	2
HPE130	Personal and Community Health.....	3
HPE225	Foundations of Health Education	2
HPE314	Administration and Evaluation of Health Education	3
HPE318	Epidemiology.....	3
HPE345	Disease and Injury Control.....	3
HPE390K*	Decision Making and Medical Technology.....	3
HPE481	Internship	3
HPE499	Health Senior Seminar	3
BIO103D*	Human Biology	4
BIO201	Human Anatomy.....	4
BIO202	Human Physiology	4
CHE103D*	Introduction to General, Organic, and Biochemistry I	4
GES208	Human Sexuality.....	3
PSY100	Introduction to Psychology.....	3
PSY203	Lifespan Development.....	3
PSY230M*	Introduction to Statistical Methods and Experimental Design	4
		54
General Education.....		51-52
Electives.....		16-17
		TOTAL 122

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



Major in Athletic Training (B.A.)

	Semester Credit Hours
ATR279 ^b	Introduction to Athletic Training.....2
ATR325 ^b	Prevention and Care of Athletic Injuries.....2
ATR331 ^b	Organization and Administration of Athletic Training.....2
ATR332 ^b	Advanced Athletic Training—Lower Extremity .....3
ATR333 ^b	Advanced Athletic Training—Upper Extremity .....3
ATR335 ^b	Athletic Training Clinical Assessment I .....1
ATR336 ^b	Clinical Proficiencies in Athletic Training I .....1
ATR351 ^b	Therapeutic Modalities.....3
ATR352 ^b	Therapeutic Exercise.....3
ATR386 ^b	Pathology and Medical Conditions .....3
ATR435 ^b	Athletic Training Clinical Assessment II .....1
ATR436 ^b	Clinical Proficiencies in Athletic Training II.....1
ATR478 ^b	Senior Seminar in Athletic Training.....1
HPE120	First Aid.....2
HPE130	Personal and Community Health.....3
HPE250M	Statistics and Research Methods in Applied Health Science .....3
HPE270	Applied Nutrition and Physical Fitness .....3
HPE375	Biomechanics.....3
HPE379	Exercise Physiology.....3
Choose from: ^a	.....4
BIO103D*	Human Biology
BIO112D*	Introduction to Molecular and Cellular Biology
BIO113D*	Introduction to Organismic Biology
BIO201	Human Anatomy.....4
BIO202	Human Physiology .....4
CHE111D*	General Chemistry I.....4
PSY100	Introduction to Psychology.....3
Choose from: ^a	.....4
PHY100D*	Concepts in Physics
PHY200D*	Introductory Physics I
	66
General Education.....	51-52
Electives.....	3-4**
	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 12 credits of electives.

^a 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.

^b 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.

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

	Semester Credit Hours
HPE120 First Aid.....	2
HPE130 Personal and Community Health.....	3
HPE200Q* Professional Activities I.....	4
HPE201 Foundations of Physical Education.....	2
HPE210 Professional Activities II.....	3
HPE215 Professional Activities III.....	2
Electives from 300-level or above physical education courses.....	4
TOTAL	20

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

	Semester Credit Hours
HPE120	First Aid.....2
HPE130	Personal and Community Health.....3
HPE225	Foundations of Health Education.....2
HPE340	School Health and Drug Issues.....3
EDU422	Curriculum and Methods of 5-12 Health Education.....3
Choose from:.....	4
BIO101D*	Principles of Biology.....2
BIO109D*	General Biology.....2
BIO209	Human Anatomy and Physiology.....4
TOTAL <hr style="display: inline-block; width: 1em; vertical-align: middle;"/>	
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

	Semester Credit Hours
ATR325	Prevention and Care of Athletic Injuries.....2
HPE120	First Aid.....2
HPE261	Theory and Practice of Coaching.....4
HPE270	Applied Nutrition and Physical Fitness.....3
HPE375	Biomechanics.....3
HPE420	Athletic Coaching Practicum.....2
Choose two from:.....	2
HPE262	Coaching of Baseball.....1
HPE263	Coaching of Basketball.....1
HPE264	Coaching of Football.....1
HPE265	Coaching of Hockey.....1
HPE266	Coaching of Track and Field.....1
HPE267	Coaching of Volleyball.....1
HPE268	Coaching of Softball.....1
HPE269	Coaching of Soccer.....1
Choose from:.....	4
BIO101D*	Principles of Biology.....2
BIO103D*	Human Biology.....2
BIO109D*	General Biology.....2
TOTAL <hr style="display: inline-block; width: 1em; vertical-align: middle;"/>	
22	

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

HISTORY

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 Reformations, 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 evangelistic 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 US 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

A survey of early American history from Native American communities through the American Revolution. Investigation of the origins and character of American beginnings through the interactions of Native Americans, African Americans, and Euro-Americans. Topics covered include: Native-American responses to European invasion, colonial expansion, slavery, family structure, early industrialism, and the formation of the Constitution.

HIS301 • A New Nation*(fall, even # yrs)* 4 credits

A survey of 19th century American history from 1790 to 1890. Examination of major social, economic, cultural, political, and religious change in 19th century America, with an emphasis on the intersections of race, class, and gender.

HIS304G • History of African Religions*(occasionally)* 3 credits

Examination of the major religions of Africa, and of the ways in which they interact. Discussion of traditional African religions, Islam, and Christianity, and the ways in which Islam and Christianity have penetrated traditional African societies. Focus on two or three particular areas in which the three religious traditions interact. Prerequisites: GES130 or GES145, 146; Contemporary Western Life and Thought (L) course or GES245; World Cultures (U) course.

HIS305G • The Cold War*(spring, odd # yrs)* 3 credits

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 political science).

HIS307 • The American Civil War*(spring)* 4 credits

A history of the American Civil War: causes, course of the war, and short- and long-term consequences. Includes, but is not limited to: examining political, military, social, cultural, economic, religious, and environmental events of the American Civil War. Prerequisite: HIS200L.

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 or spring)* 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 theorists. 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 *(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.)

Semester
Credit Hours

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

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HIS206U*	History of India and Its Neighbors	
HIS207U*	Latin American Civilizations	
HIS212U	Introduction to the Muslim World	
HIS242L*	The Modern World	
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 Civilization	
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 Civilization	
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
		<hr/> 36-40
General Education		51-52
Electives		31-36
		<hr/> TOTAL 122

Students majoring in History may choose a focus (at least 12 credits) in American, European, or Global history.

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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

**Semester
Credit Hours**

Electives from history courses, of which 18

6 credits must be 300 level or above

TOTAL 18



HONORS PROGRAM

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 situation of oppression and exploitation along the lines of ethnicity, religion/culture, and/or economic life. With a focus on a people group that is a group found outside the dominant cultures of Europe and North America and is 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.

PROGRAMS

Honors Program

**Semeste-
Credit Hours**

HON102N*	Meaning and Persons.....	3
HON205U*	Finding Community on the Margin.....	3
HON300G*	Concepts of Community.....	3
HON305K*	Issues in Science, Technology, and Society.....	3
	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

Semester
Credit Hours

LEA100N*	Leadership I.....	3
LEA300	Leadership II.....	3
LEA350	Leadership Practicum and Seminar	4
Choose from:.....		3
ANT242U*	Peoples and Cultures of the United States	
HIS210U*	Minorities in America	
SOC342G*	Race, Ethnicity, and Peacemaking	
SOW327G*	Social Relations: Issues of Power and Privilege in the U.S.	
Choose from:.....		3-4
ANT200U*	Introduction to Anthropology	
BUS230	Principles of Management	
POS211	The Political Quest	
PSY100	Introduction to Psychology	
SOC101	Introduction to Sociology	
Choose from:.....		3-4
COM110N*	Basic Communication	
COM220	Group Communication	
COM348	Organizational Communication	
COM370	Interpersonal Communication	

TOTAL 19-21

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

MATHEMATICS

Mathematics has long been a central subject in traditional liberal arts programs, serving as both a tool and as a paradigm for thought. The mathematics major at Bethel provides the student with these same themes.

The program is built around a core of both traditional and innovative courses. Students may then choose to emphasize pregraduate, applied mathematics, education for grades 5–12, or preactuarial courses. Students may also wish to combine one of these with a strong minor in computer science and/or physics.

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. Prerequisite: 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. A 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

Analytic solution methods for ordinary differential equations, including special methods for first- and second-order systems, series solutions, and transformation methods. Systems of differential equations and concepts from linear algebra introduced as needed. Prerequisite: MAT125. MAT223 strongly recommended.

MAT223 • Multivariable Calculus*(fall)* 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. Prerequisites: MAT211 or MAT222; COS105. (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

PROGRAMS

Major in Mathematics (B.A.)

Semester
Credit Hours

MAT124M*	Calculus 1.....	4
MAT125	Calculus 2.....	4
MAT211	Linear Algebra.....	3
MAT222	Differential Equations.....	3
MAT223	Multivariable Calculus.....	3
MAT241	Discrete Mathematics.....	3
MAT310	Algebraic Structures.....	4
MAT330	Probability and Statistics.....	3
MAT422	Real Analysis.....	3
MAT425	Topics in Mathematics.....	3
MAT499	Foundations of Mathematics.....	3
COS100	Introduction to Programming.....	3
COS105	Computer Science 1.....	4
Choose two from:.....		6
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.)

	Semester Credit Hours
MAT124M* Calculus 1.....	4
MAT125 Calculus 2.....	4
MAT211 Linear Algebra.....	3
MAT223 Multivariable Calculus.....	3
MAT241 Discrete Mathematics.....	3
MAT310 Algebraic Structures.....	4
MAT330 Probability and Statistics.....	3
MAT351 Modern Geometry.....	3
MAT422 Real Analysis.....	3
MAT499 Foundations of Mathematics.....	3
COS100 Introduction to Programming.....	3
COS105 Computer Science 1.....	4
Choose from:.....	3
MAT331 Applied Statistics	
MAT376 Operations Research	
EDU200 Introduction to Education.....	3
EDU201 Introduction to Education Field Experience.....	1
EDU203 School Health and Drugs.....	2
EDU220 Introduction to Middle Level Education.....	3
EDU317GZ* Understanding Diversity.....	3
EDU240 Educational Psychology.....	3
EDU241 Educational Psychology Field Experience.....	1
EDU320 Pedagogy of the Young Adolescent Learner.....	2
EDU411 Middle Level Education Practicum in Mathematics.....	1
EDU412 Methods in Teaching 5-8 and 9-12 Mathematics.....	3
EDU490 Student Teaching Block.....	15
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
	80
General Education.....	51-52
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
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

	Semester Credit Hours
MAT124M* Calculus 1.....	4
MAT125 Calculus 2.....	4
MAT211 Linear Algebra.....	3
Electives from 200-level or above mathematics courses or.....	9
PHY320 Mathematical Methods in Physics and Engineering (excluding MAT201M and MAT202M)	
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
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.

ASL201 • Intermediate American Sign Language I *(fall)* 4 credits

Synthesis and expansion of expressive and receptive ASL communication skills. Focus on intermediate ASL grammar and syntax. Emphasis on manual and non-manual aspects of sign communication. Expanded knowledge of historical and current cultural and linguistic issues in the deaf community through readings, videos, guest speakers, discussions, field trips, and community experiences. Prerequisite: ASL102S 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.

CHI201 • Intermediate Chinese I *(fall)* 4 credits

Synthesis and expansion of comprehensive knowledge, grammar, and oral and written communication skills useful in daily interactions. Further development of understanding of Chinese culture and societies, and preparation for possible study abroad experience. Prerequisite: CHI102S or placement exam.

CHI202 • Intermediate Chinese II *(spring)* 4 credits

Improve and enhance speaking, listening, reading and writing skills. Emphasis on developing communicative skills in order to carry out conversations on a range of topics related to daily life and academic subjects. Develop further understanding of Chinese culture and societies, and prepare students for possible study abroad experience. Prerequisite: CHI201 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 *(fall, 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 health care. One-on-one interaction with their personal language teacher at Centro Linguistico 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: (Guatemala Term, spring) 4 credits
Guatemalan Perspectives

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 health care. 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.

TEL320 • Curriculum Development and Assessment *(fall, even # yrs)* **3 credits**

Development of curricula for EFL/ESL students in various settings and with various needs, including special education. Appropriate teaching and assessment materials for the EFL/ESL classroom. Can be taken concurrently with EDU400. Prerequisites: LIN210; LIN215.

TEL491 • Internship in TEFL *(fall, interim, spring)* **3 credits**

Supervised experience in an overseas school program or with a local agency to apply knowledge of and skills in teaching English to non-native speakers. Prerequisite: Major or minor in TEFL.

Education Courses (see Department of Education)

EDU400 • Methods in Teaching K-12 English to Speakers of Other Languages

EDU426 • Methods in Teaching K-12 World Languages and Cultures

PROGRAMS

Major in French (B.A.)

	Semester Credit Hours
FRE201 Intermediate French I	3
FRE202 Intermediate French II.....	3
FRE301U* Francophone Cultures	4
FRE305 Readings from the Francophone World.....	3
FRE306 Advanced French Communication.....	4
FRE499 Senior Seminar: French	4
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 ^a :	3
LIN210 Introduction to Second Language Acquisition	
LIN300 Introduction to Linguistics	
EDU426 Methods in Teaching K-12 World Languages and Cultures	
	33
General Education.....	51-52
Electives.....	37-38
	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.

^aIn 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)		Semester Credit Hours
FRE201	Intermediate French I	3
FRE202	Intermediate French II	3
FRE301U*	Francophone Cultures	4
FRE305	Readings from the Francophone World	3
FRE306	Advanced French Communication	4
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
LIN210	Introduction to Second Language Acquisition	3
EDU200	Introduction to Education	3
EDU201	Introduction to Education Field Experience	1
EDU203	School Health and Drugs	2
EDU220	Introduction to Middle Level Education	3
EDU240	Educational Psychology	3
EDU241	Educational Psychology Field Experience	1
EDU317GZ	Understanding Diversity	3
EDU320	Pedagogy of the Young Adolescent Learner	2
EDU426	Methods in Teaching K-12 World Languages and Cultures	3
EDU427	Middle Level Education Practicum In World Languages and Cultures	1
EDU490	Student Teaching Block	15
		66
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.)

	Semester Credit Hours
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	
SPA206 Spanish for Health Professionals I in Guatemala	
SPA208 Spanish for Health Professionals	
Choose from:	3-4
SPA290 Ibero-American History	
SPA291 Ibero-American History in Guatemala	
SPA292 Ibero-American History in Spain	
Choose from:	4
SPA301U* Hispanic Cultures	
SPA302U* Hispanic Cultures: Guatemalan Perspectives	
SPA303 Spanish Civilization and Culture	
SPA306 Spanish for Health Professionals II	
SPA325 Spanish for Business I in Guatemala	
Choose from:	4
SPA317 Advanced Communication in Spain	
SPA322 Advanced Spanish Communication	
SPA323 Advanced Spanish Communication in Guatemala	
Choose from:	3-4
SPA300 Introduction to Hispanic Literature	
SPA305 Readings from Latin America and Spain	
Choose two from:	8
SPA308 Current Issues in Guatemala	
SPA312 Contemporary Literature	
SPA313 Classical Literature	
SPA316 Modern Spain: An Examination in Ethics	
SPA318 Classical Literature in Spain	
SPA326 Spanish for Business II in Guatemala	
Choose from:	3
Electives from Spanish courses at 200 level or above	
EDU204UZ* Teaching and Learning in Guadalajara	
SPA120A* Photography in Spain	
Choose from:	3-4
LIN210 Introduction to Second Language Acquisition	
LIN300 Introduction to Linguistics	
EDU426 Methods in Teaching K-12 World Languages and Cultures	
SPA481 Internship in Spanish	
SPA499 Senior Seminar	4
	<hr/> 38-42
General Education	51-52
Electives	27-33
	<hr/> 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)

	Semester Credit Hours
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:.....	3-4
SPA290 Ibero-American History	
SPA291 Ibero-American History in Guatemala	
SPA292 Ibero-American History in Spain	
Choose from:.....	4
SPA301U* Hispanic Cultures	
SPA302U* Hispanic Cultures: Guatemalan Perspectives	
SPA303 Spanish Civilization and Culture	
Choose from:.....	4
SPA317 Advanced Communication in Spain	
SPA322 Advanced Spanish Communication	
SPA323 Advanced Spanish Communication in Guatemala	
Choose from:.....	3-4
SPA300 Introduction to Hispanic Literature	
SPA305 Readings from Latin America and Spain	
Choose two from:.....	8
SPA308 Current Issues in Guatemala	
SPA312 Contemporary Literature	
SPA313 Classical Literature	
SPA316 Modern Spain: An Examination in Ethics	
SPA318 Classical Literature in Spain	
Choose from:.....	3
Elective Spanish courses at 200 level or above	
EDU204UZ* Teaching and Learning in Guadalajara	
SPA120A* Photography in Spain	
LIN210 Introduction to Second Language Acquisition.....	3
EDU200 Introduction to Education	3
EDU201 Introduction to Education Field Experience	1
EDU203 School Health and Drugs.....	2
EDU220 Introduction to Middle Level Education.....	3
EDU317GZ* Understanding Diversity.....	3
EDU240 Educational Psychology	3
EDU241 Educational Psychology Field Experience.....	1
EDU320 Pedagogy of the Young Adolescent Learner	2
EDU426 Methods in Teaching World Languages and Cultures K-12	3
EDU427 Middle Level Education Practicum in World Languages and Cultures	1
EDU490 Student Teaching Block.....	15
	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.

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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.

Student must earn a grade of C or better in each content area (SPA, LIN) and education courses in the major. Courses with grades of C- or lower must be repeated.

Major in Teaching English as a Foreign Language (TEFL) (B.A.)

**Semester
Credit Hours**

LIN210	Introduction to Second Language Acquisition	3
LIN215	Teaching Language Communication Skills for Second Language Learners.....	2
LIN300	Introduction to Linguistics.....	3
TEL240	TESOL Practicum Abroad	1
TEL301	Analysis of the English Language.....	3
TEL320	Curriculum, Development, and Assessment.....	3
TEL491	Internship in TEFL	3
EDU200	Introduction to Education.....	3
EDU201	Introduction to Education Field Experience.....	1
EDU240	Educational Psychology.....	3
EDU241	Educational Psychology Field Experience.....	1
EDU317GZ*	Understanding Diversity.....	3
EDU426	Methods in Teaching K-12 World Languages and Cultures.....	3
	A modern world language ^a	10
	Choose from: TESOL Area Electives ^b	9
ANT312G*	Peoples and Cultures of Oceania	
ANT313G*	Peoples and Cultures of China and Inner Asia	
ANT314G*	Peoples and Cultures of Latin America	
FRE301U*	Francophone Cultures	
GER212	Culture	
GES202U*	Ukrainian Culture and Language	
GES209U*	Kenyan Culture	
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	
HIS304G*	History of African Religions	
HIS/POS327G*	History and Politics of Russia and China in the Modern World	
HIS352	Modern Russia	
HIS354	Modern Europe	
PHI375G*	Asian Thought	
SPA301	Hispanic Cultures	
SPA302	Hispanic Cultures: Guatemalan Perspectives	
SPA303	Spanish Civilization and Culture	

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Choose from:	TESOL Cross-Cultural Electives.....	3-4
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	
SCS387Z	Cross-Cultural Experience	
SCS389	Cross-Cultural Mission Practicum	
SPA385	Cross-Cultural Experience in Guatemala	
THE401	Christianity and the World's Religions	
		53-57
General Education.....		51-52
Electives.....		13-18
	TOTAL	122

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

^a TEFL 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.)

	Semester Credit Hours
LIN210	Introduction to Second Language Acquisition .....3
LIN215	Teaching Language Communication Skills for Second Language Learners.....2
LIN300	Introduction to Linguistics.....3
TEL240	TESOL Practicum Abroad .....1
TEL301	Analysis of the English Language.....3
TEL320	Curriculum, Development, and Assessment.....3
EDU200	Introduction to Education.....3
EDU201	Introduction to Education Field Experience.....1
EDU203	School Health and Drugs .....2
EDU220	Introduction to Middle Level Education .....3
EDU270	K-6 Education Block 1 .....8
EDU317GZ*	Understanding Diversity.....3
EDU320	Pedagogy of the Young Adolescent Learner.....2
EDU400	Methods in Teaching K-12 English to Speakers of Other Languages.....3
EDU401	Middle Level Education Practicum in Teaching English to Speakers of Other Languages .....1
EDU490	Student Teaching 15
A modern world language ^a 10	
Choose from: TESOL Area Electives ^b.....6	
ANT312G*	Peoples and Cultures of Oceania
ANT313G*	Peoples and Cultures of China and Inner Asia
ANT314G*	Peoples and Cultures of Latin America
FRE301U*	Francophone Cultures
GER212	German Culture
GES202U*	Ukrainian Culture and Language
GES209U*	Kenyan Culture
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
HIS304G*	History of African Religions
HIS/POS327G*	History and Politics of Russia and China in the Modern World
HIS352	Modern Russia
HIS354	Modern Europe
PHI375G*	Asian Thought
SPA301	Hispanic Cultures
SPA302	Hispanic Cultures: Guatemalan Perspectives
SPA303	Spanish Civilization and Culture

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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	

75

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

**Semester
Credit Hours**

FRE102S*	Introductory French II.....	4
FRE201	Intermediate French I.....	3
FRE202	Intermediate French II.....	3
Choose from ^a	.....	10-11
FRE301U	Francophone Cultures	
FRE305	Readings from the Francophone World	
FRE306	Advanced French Communication	
LIN210	Introduction to Second Language Acquisition	
LIN300	Introduction to Linguistics	

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

	Semester Credit Hours
GER102S* Introductory German II	4
GER201 Intermediate German	4
GER212 German Culture	4
GER306 Advanced German Communication.....	4
Choose from:	3
EDU426 Methods in Teaching K-12 World Languages and Cultures	
LIN210 Introduction to Second Language Acquisition	
LIN300 Introduction to Linguistics	
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

	Semester Credit Hours
Four college-level courses, two in each of two languages, ^a	14
with at least one course at the 200 level or above (cannot be met by advanced placement exam)	
ANT200U* Introduction to Anthropology	3
or an additional course at the 200 level or above in one of the two languages chosen above	
Choose from:	3-4
ANT312G* Peoples and Cultures of Oceania	
ANT313G* Peoples and Cultures of China and Inner Asia	
ANT314G* Peoples and Cultures of Latin America	
ANT317G* The Urban Church: Making a Difference	
ANT371G* Christianity in Cross-Cultural Perspective	
COM355 Intercultural Communication	
COM370 Interpersonal Communication	
EDU204UZ* Teaching and Learning in Guadalajara	
HIS204U* African Civilizations	
HIS207U* Latin American Civilizations	
HIS217L* Christianity in Latin America	
LIN210 Introduction to Second Language Acquisition	
LIN300 Introduction to Linguistics	
MUS305G* Music in World Cultures	
POS202U* Introduction to International Relations	
TEL230 Introduction to Teaching English to Speakers of Other Languages (TESOL)	
Other courses may be chosen with the approval of the Department of Modern World Languages.	
TOTAL	20-21

^a 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

	Semester Credit Hours
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	
SPA206 Spanish for Health Professionals I in Guatemala	
SPA208 Spanish for Health Professionals	
Choose from:	3-4
SPA290 Ibero-American History	
SPA291 Ibero-American History in Guatemala	
SPA292 Ibero-American History in Spain	
Choose from:	4
SPA301U* Hispanic Cultures	
SPA302U* Hispanic Cultures: Guatemalan Perspectives	
SPA303 Spanish Civilization and Culture	
SPA306 Spanish for Health Professionals II	
SPA325 Spanish for Business I in Guatemala	
Choose from:	3-4
SPA300 Introduction to Hispanic Literature	
SPA305 Readings from Latin America and Spain	
Choose from ^a :	6
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	
SPA120A* Photography in Spain	
TOTAL	<u>22-26</u>

^a 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)

**Semester
Credit Hours**

LIN210	Introduction to Second Language Acquisition			3
LIN215	Teaching Language Communication Skills for Second Language Learners.....			2
TEL240	TESOL Practicum Abroad			1
TEL320	Curriculum, Development, and Assessment			3
Choose from:				3
LIN300	Introduction to Linguistics			
TEL301	Analysis of the English Language			
A modern world language.....				6
Choose from:				3-4
ANT242U*	HIS201U*	HIS/POS327G*	REL205U*	
ANT312G*	HIS204U*	HIS352	THE401	
ANT313G*	HIS205U*	HIS354	SCS387	
ANT314G*	HIS206U*	PHI375G*	SCS389	
ANT371G*	HIS207U*	POS202U*	SPA301U	
COM355	HIS210L*	PSY308G*	SPA302U	
FRE301U	HIS217L*	REL200L*	SPA303	
GER212	HIS304G			

TOTAL 21-22

* 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.

MULTIDISCIPLINARY

PROGRAMS

Major in Biochemistry/Molecular Biology (B.S.)	Semester Credit Hours
BIO112D* Introduction to Molecular and Cellular Biology	4
BIO113D* Introduction to Organismic Biology	4
BIO312 Genetics	4
BIO341 Cell Biology.....	4
BIO378 Molecular Biology.....	4
Choose from:.....	4-8
CHE111D*/CHE212 General Chemistry I, II	
CHE210D Accelerated General Chemistry	
CHE221 Organic Chemistry I.....	4
CHE222 Organic Chemistry II.....	4
CHE331 Analytical Chemistry I.....	4
CHE341 Physical Chemistry I.....	4
CHE/BIO386 Biochemistry I.....	4
CHE387 Biochemistry II	4
MAT124M* Calculus 1	4
MAT125 Calculus 2	4
PHY290D* General Physics I.....	4
PHY295 General Physics II.....	4
Choose from:.....	4
BIO399, 495, 496, 499 Biology Seminar/Research or	
CHE391, 392, 493, 494 Chemistry Seminar	
	68-72
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.

Major in Business and Political Science (B.A.)

	Semester Credit Hours
BUS105 Information Technology and Applications.....	3
ECO201 Principles of Economics	4
Choose from:	3
BUS100M* Business Calculus	
BUS130 Business Problem Solving	
MAT131M* Statistical Analysis.....	3
POS211 The Political Quest	3
POS306 Public Administration.....	3
POS499 Senior Seminar	4
Choose from:	3
POS100 American Politics and Government	
POS202U* Introduction to International Relations	
Choose from:	15
BUS210 Financial Accounting	
BUS220 Principles of Marketing	
BUS230 Principles of Management	
BUS344 Managerial Finance	
BUS361 Business Law	
Elective from 200-level or above economics course, excluding ECO200 Economics of Public Policy Analysis.....	3
Choose one course from three of the following four areas:	9-10
American Politics and Government: POS304, POS325, POS340, POS342	
International Relations: POS305G*, POS310, POS313G*, POS324G*	
Comparative Politics: POS321, POS327G*	
Political Philosophy: POS345, POS360, POS410	
	<hr/> 53-54
General Education.....	51-52
Electives.....	16-18
	<hr/> TOTAL 122

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



Major in International Relations (B.A.)

**Semester
Credit Hours**

ECO201	Principles of Economics	4
ECO305	International Trade and Finance	3
GEO120	Introduction to Geography	3
POS202U*	Introduction to International Relations	3
POS211	The Political Quest.....	3
POS310	American Foreign Relations	3
A modern world language*		6
Culminating Experience (Directed Study, Senior Seminar, etc.)**		4
Choose from political science:		6
POS221L*	American Political Ideologies	
POS241	Revolution and Political Development	
POS313G*	International Cooperation	
POS321	Contemporary Democracies	
HIS/POS327G*	History and Politics of Russia and China in the Modern World	
Choose from business and economics:		3
BUS370G*	International Business	
ECO310	History of Economic Thought	
ECO320G*	Economic Development of Less-Developed Countries	
Choose from the courses listed above or below. 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.		15
Anthropology and Sociology		
ANT200U*	ANT314G*	SOC101
ANT312G*	ANT371G*	SOC342G*
		SOC372G*
		SCS379G*
		SCS387
Art		
ARH321		
Biblical and Theological Studies		
BIB309J*	THE263	
THE256L*	THE401	
English		
ENL202	ENL241L*	ENL354
ENL315G*	ENL350	ENL355
Environmental Studies		
ENS102D*		
General Studies		
GES416P*	GES440P*	GES445P*
Geography		
Any geography course		
History		
HIS201U*	HIS242L*	HIS327G*
HIS241	HIS320K*	HIS352
		HIS354
		HIS372G*
Modern World Languages		
Any modern world language course *		
Philosophy		
PHI210L*	PHI252	PHI263
		PHI375G*
Psychology		
PSY215	PSY308G*	PSY301G*
Theatre Arts		
THA291L*		
General Education		51-52
Electives		17-18

53

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.)

	Semester Credit Hours
ANT200U*	Introduction to Anthropology.....3
ECO201	Principles of Economics .....4
GEO120	Introduction to Geography .....3
HIS320K*	History and the Human Environment .....3
POS100	American Politics and Government.....3
PSY100	Introduction to Psychology .....3
SOC101	Introduction to Sociology.....3
Choose from:	..... 3-4
HIS200L*	American Civilization
GES246	Western Humanity in Christian Perspective IV
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
EDU200	Introduction to Education.....3
EDU201	Introduction to Education Field Experience .....1
EDU203	School Health and Drugs.....2
EDU220	Introduction to Middle Level Education.....3
EDU317GZ*	Understanding Diversity .....3
EDU240	Educational Psychology.....3
EDU241	Educational Psychology Field Experience .....1
EDU320	Pedagogy of the Young Adolescent Learner.....2
EDU418	Methods in Teaching 9–12 Social Studies .....2
EDU419	Middle Level Seminar and Practicum in Social Studies 5-8 .....2
EDU490	Student Teaching Block 15
	<hr/> 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.)

**Semester
Credit Hours**

(to be taken only with another major)

ANT200U*	Introduction to Anthropology.....	3
Choose from:	.....	3-4
SCS/SPA385	Cross-Cultural Experience in Guatemala	
SCS387Z	Cross-Cultural Experience	
Six credits from any four of the areas listed below		24
(None of these may come from the department of the student's other major.)		
Anthropology and Sociology		
ANT312G*	ANT314G*	SCS379G* SOC341G*
ANT313G*	ANT371G*	SOC303G*
Biblical and Theological Studies		
BIB331G*	REL205U*	REL354 THE401
Economics		
ECO201	ECO305	ECO320G*
History		
HIS201U*	HIS206U*	HIS241L* HIS327G*
HIS204U*	HIS207U*	HIS304G* HIS372G*
HIS205U*	HIS217L*	HIS309
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*	
		30-31
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

Semester
Credit Hours

Choose from:	.....	3
HIS205U*	History of China, Korea, and Japan	
HIS206U*	History of India and Its Neighbors	
Competency in an Asian language ^a	.....	0–8
Choose from the following:	.....	7–15
ANT313G*	Peoples and Cultures of China and Inner Asia	
ARH/REL201	Religion and Art in Asia	
HIS205U*	History of China, Korea, and Japan (if not selected above)	
HIS206U*	History of India and Its Neighbors (if not selected above)	
HIS372	Topics in Global History (Asian topic ^b or focus ^c)	
PHI375G*	Asian Thought	
PHI490	Topics in Philosophy (Asian topic ^b or focus ^c)	
POS202U*	Introduction to International Relations (Asian focus ^c)	
POS241	Revolution and Political Development (Asian focus ^c)	
REL205U*	Religions of India, China, and Japan	
REL400	Religious Studies Seminar (Asian topic ^b or focus ^c)	
SOC372G*	Religion in Society (Asian focus ^c)	
THE401	Christianity and the World's Religions (Asian focus ^c)	

TOTAL 18

* 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.



MUSIC

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

MUS102 • Introduction to Music *(fall)* 3 credits
Development of listening skills and basic musical vocabulary through a wide variety of classical music literature. Basic fundamentals of music theory, including clefs, key signatures, scales, intervals, and triads. Must be taken concurrently with MUL143A.

MUS104 • Music Theory I *(spring)* 3 credits
A continuation of MUS102 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. Prerequisite: MUS102.

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. Prerequisite: 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, alternative 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 • Hymnology*(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*(fall, even # yrs)* 2 credits

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 *(spring, odd # yrs)* **2 credits**

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 *(occasionally)* **2 credits**

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 *(fall, odd # yrs)* **2 credits**

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 *(fall, even # yrs)* **2 credits**

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 *(fall, odd # yrs; spring, even # yrs)* **1 credit/semester**

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 *(fall, spring)* **0 credits**

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 *(fall, spring)* **0 credits**

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 *(fall, spring)* **0 credits**

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** *(fall, spring)* **1 credit**

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 • Bethel Women's Chorale *(fall, spring)* **1 credit**

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.

MUP153A, 154A, 253A, 254A, 353A, 354A, 453A, 454A • (fall, spring) 1 credit
Bethel Chamber Orchestra

The Bethel Chamber Orchestra performs works from all periods of the classical repertoire. They perform in the Twin Cities and tour regionally. The Bethel Chamber Orchestra is open by audition to students from all academic disciplines. Meets Monday-Thursday.

MUP163A, 164A, 263A, 264A, 363A, 364A, 463A, 464A • (fall, spring) 1 credit
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 woodwind, 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 a professional 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 • Chamber Ensemble (occasionally) 1 credit

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 • Jazz Ensemble (fall, spring) 1 credit

This ensemble explores the unique American art form of jazz, performing various styles from traditional big band to fusion. Concerts include the spring Jazz Fest. Open by audition. One rehearsal each week. Prerequisite: Participation in Wind Ensemble or approval of director of instrumental activities.

MUE161A, 162A, 261A, 262A, 361A, 362A, 461A, 462A • Chamber Winds (fall, spring) 1 credit

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 • Private Lessons (fall, spring) 1 credit/half hour

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 • Beginning Piano (fall, spring) 1 credit

A series of class lessons recommended for students who have not 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 • Beginning Voice (fall, spring) 1 credit

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**(interim, even # yrs) 3 credits****in Vocal Performance**

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.

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 maximum of four semesters. The music jury can constitute the 14th lesson for music majors and minors.

PROGRAMS

Music Core for All Music Major Programs

	Semester Credit Hours
MUS102 Introduction to Music	3
MUS104 Music Theory I.....	3
MUS195 Music Hour	0
MUS202 Music Theory II	3
MUS203 Music Theory III	3
MUS312 Music History and Literature I.....	3
MUS313 Music History and Literature II.....	3
MUS322 Instrumental Literature and Conducting	3
MUS323 Instrumentation.....	2
MUS324 Choral Literature and Conducting	3
Performance Organizations	6
Private Lessons.....	6
	TOTAL 38

Major in Music Education K–12 (B.Mus.Ed.)

	Semester Credit Hours
Music Core	36 or 38 ^a
MUS305G* Music in World Cultures.....	3
MUS495 Half Senior Recital.....	0
EDU200 Introduction to Education.....	3
EDU201 Introduction to Education Field Experience	1
EDU203 School Health and Drugs.....	2
EDU220 Introduction to Middle Level Education.....	3
EDU240 Educational Psychology.....	3
EDU241 Educational Psychology Field Experience	1
EDU317GZ* Understanding Diversity	3
EDU320 Pedagogy of the Young Adolescent Learner.....	2
EDU432 Methods in Teaching Elementary Music.....	3
EDU433 Methods in Teaching Secondary Music	3
EDU434 Middle Level Education Practicum in Music	1
EDU490 Student Teaching Block	15

Choose one of the following emphases: 4 or 6 ^b

- *Instrumental K–12*

MUS358	Brass Pedagogy
MUS359	Percussion Pedagogy
MUS362	Woodwind Pedagogy

Additional requirements:

1. Must be in Wind Ensemble or Chamber 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.

83-87

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.

^a 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.

^b 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.)

	Semester Credit Hours
Music Core	38
MUS301 Music Theory IV.....	3
MUS395 Junior Recital	0
MUS496 Full Senior Recital.....	0
Choose one of the following emphases:	10
• <i>Vocal Performance</i>	
Private Lessons (in addition to Music Core)	
MUS363 Vocal Pedagogy	
MUS364 Diction for Singers I	
MUS365 Diction for Singers II	
• <i>Keyboard/Instrumental Performance</i>	
Private Lessons (in addition to Music Core)	
Choose one to which your major instrument is related: ^a	
MUS358 Brass Pedagogy	
MUS359 Percussion Pedagogy	
MUS360 String Pedagogy	
MUS362 Woodwind Pedagogy	
• <i>Composition</i>	
MUL300 Applied Composition	
Choose two from:	
MUS358 Brass Pedagogy	
MUS359 Percussion Pedagogy	
MUS360 String Pedagogy	
MUS362 Woodwind Pedagogy	
MUS363 Vocal Pedagogy	
PHI310 Aesthetics	3
	<hr/> 54
General Education.....	51-52
Electives.....	16-17
	<hr/> 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.

^a Keyboard majors may petition to do a directed study in Keyboard Pedagogy.



Major in Sacred Music (B.A.)

	Semester Credit Hours
Music Core	38
MUS230 Music and Worship	3
MUS331 Hymnology	3
MUS495 Half Senior Recital	0
PHI310 Aesthetics	3
	<hr/> 47
General Education	51-52
Electives	23-24
	<hr/> 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.)

	Semester Credit Hours
Music Core	38
MUS495 Half Senior Recital	0
PHI310 Aesthetics	3
	41
General Education	51-52
Electives	29-30
	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

	Semester Credit Hours
MUS102 Introduction to Music	3
MUS104 Music Theory I	3
MUS202 Music Theory II	3
MUS312 Music History and Literature I	3
MUS313 Music History and Literature II	3
MUS324 Choral Literature and Conducting	3
Performance Organizations ^a	2
Private Lessons	2
	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

	Semester Credit Hours
MUS102 Introduction to Music	3
MUS230 Music and Worship	3
MUS331 Hymnology	3
Performance Organizations	4
Private Lessons ^a	4
PHI310 Aesthetics	3
	TOTAL 20

^a 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)

NATURAL SCIENCES

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 *(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 *(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 *(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 *(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 health care agencies. Graduates of the program are eligible to apply to take the state licensure examination. 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: 202.887.6791).

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 and general education courses for junior standing; and
8. Provide documentation of successful completion of a Certified Nursing Assistant/Nursing Assistant Registered 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 health care 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 student requirements are found in the Academic Information section of this catalog. Further details on departmental policies and procedures are described in the *Pre-professional Nursing Program Student Handbook*.

COURSES

NUR300 • Theoretical Foundations of Nursing (fall) 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) 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)* 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)* 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)* 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)* 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.

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)* 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)* 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)* 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 Health Care *(interim)* 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 health care 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.

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 health care settings. Must be taken concurrently with NUR498. Prerequisites: NUR401; NUR403; NUR405.



PROGRAMS**Major in Nursing (B.S.)**

	Semester Credit Hours
NUR300	Theoretical Foundations of Nursing.....3
NUR301	Physiological Foundations of Nursing Practice.....3
NUR303	Foundations of Nursing Practice .....3
NUR304	Physiological Aspects of Nursing Care with Adults I.....4
NUR306	Physiological Aspects of Nursing Care with Adults II .....4
NUR308	Psychosocial and Spiritual Aspects of Nursing Care with Adults.....4
NUR401	Nursing Care with Childbearing and Childrearing Families .....4
NUR403	Community Health Nursing Theory and Practice.....4
NUR405	Nursing Care with Elderly Adults .....4
NUR410GZ*	Cultural Diversity in Health Care.....3
NUR498	Dimensions of Professional Nursing Practice I.....4
NUR499	Dimensions of Professional Nursing Practice II.....4

Prerequisite courses:

BIO109D*	General Biology.....4
BIO201	Human Anatomy.....4
BIO202	Human Physiology.....4
BIO207	Microbiology and Immunology.....4
CHE103D*	Introduction to General, Organic, and Biochemistry I .....4
CHE104	Introduction to General, Organic, and Biochemistry II.....4
PSY100	Introduction to Psychology.....3
PSY203	Lifespan Development.....3

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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 Society and Morality, 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

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 • Society and Morality *(fall, interim, spring)* 3 credits
 A moral analysis of abortion, euthanasia, capital punishment, sexual morality, and self-interest. Ethical approaches of Plato, Hobbes, Butler, Bentham, Mill, Ross, Rawls, and Kant. Development of principles of love and justice, and the role of a Christian in society. Emphasis on moral decision making.

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.

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*(fall, 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 Søren 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.)

**Semester
Credit Hours**

PHI251	History of Philosophy I.....	4
PHI252	History of Philosophy II.....	4
PHI320	Ethics: Theory and Practice.....	4
PHI401	Epistemology and Metaphysics.....	4
PHI499	Senior Seminar.....	4
Electives from philosophy courses, of which at least six credits must be from 300 level or above.....		10
		30
General Education.....		51-52
Electives.....		40-41
TOTAL		122

Minor in Philosophy

**Semester
Credit Hours**

Choose from:		3-4
PHI105N*	The Philosophic Quest	
PHI110N*	Society and Morality	
PHI210L*	The Modern Mind	
PHI220L*	Philosophies of Race and Gender in America	
PHI225M*	Introduction to Logic	
PHI251	History of Philosophy I.....	4
PHI252	History of Philosophy II.....	4
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.)



PHYSICS

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 of 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, even # yrs) 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 and COS105 are 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; 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

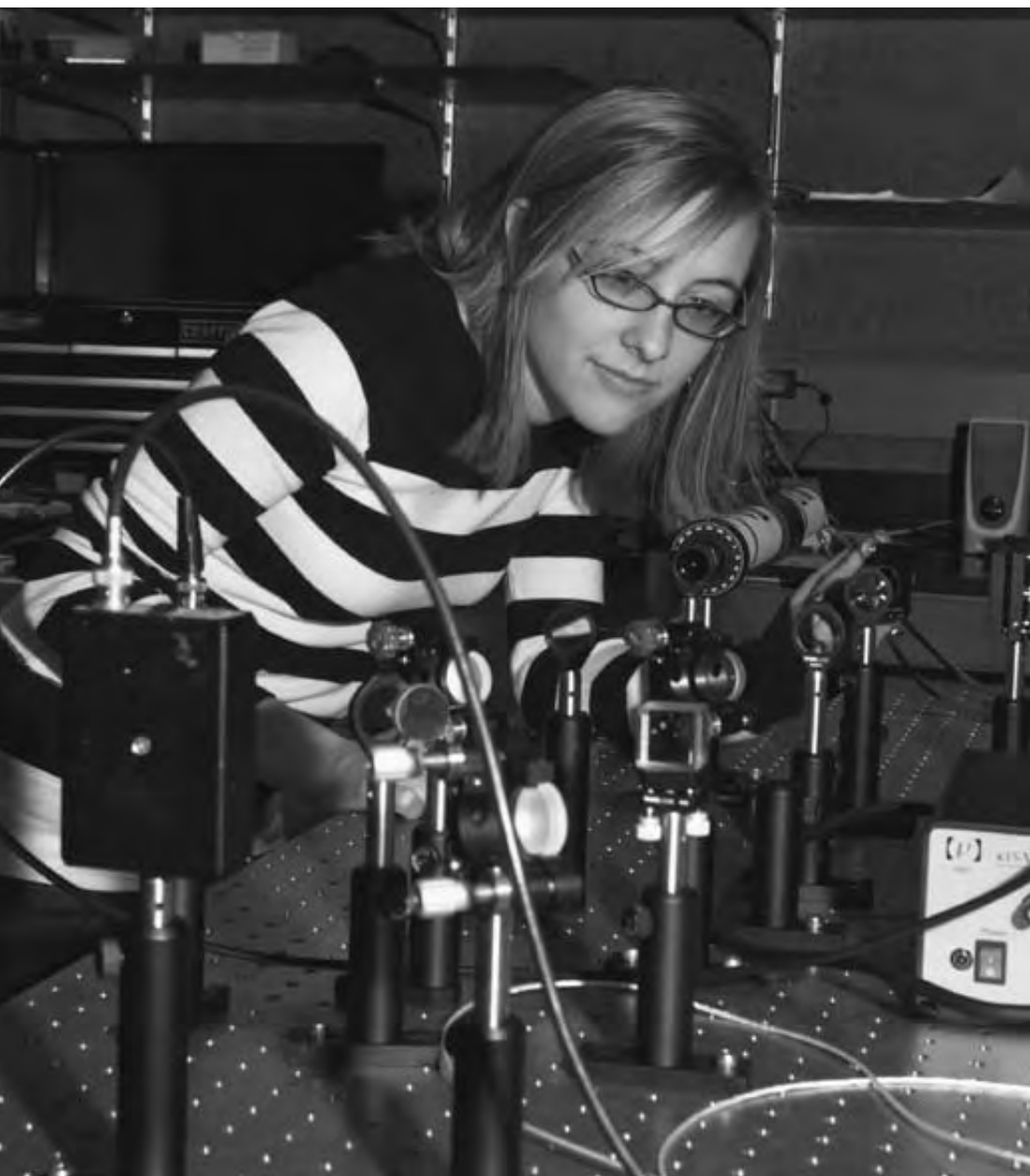
Topics selected from various fields of engineering and applied physics for the purpose of illustrating the practical application of physical principles. Emphasis on developing the skills and viewpoints commonly used by engineers and industrial physicists. The field of engineering or applied physics is 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; major in physics; and consent of department.

Education Course (see Department of Education)**EDU420 • Methods in Teaching 5–12 Science**

PROGRAMS**Major in Physics (B.A.)**

	Semester Credit Hours
PHY290D* General Physics I	4
PHY295 General Physics II	4
PHY300 Electronics	4
PHY310 Modern Physics	4
PHY320 Mathematical Methods in Physics and Engineering.....	4
Electives from 300- or 400-level physics courses, one of which must be PHY330, PHY430, or PHY490.....	12
MAT124M* Calculus 1	4
MAT125 Calculus 2.....	4
MAT222 Differential Equations	3
MAT223 Multivariable Calculus	3
	<hr/>
	46
General Education.....	51-52
Electives.....	24-25
	<hr/>
TOTAL	122

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

Major in Physics (B.S.)

	Semester Credit Hours
PHY290D* General Physics I	4
PHY295 General Physics II	4
PHY300 Electronics	4
PHY310 Modern Physics	4
PHY320 Mathematical Methods in Physics and Engineering.....	4
Choose from:	4
PHY330 Optics	
PHY430 Topics in Contemporary Optics	
PHY340 Mechanics.....	4
PHY360 Physics Research Seminar I.....	1
PHY365 Physics Research Seminar II	1
PHY400 Electricity and Magnetism.....	4
PHY410 Thermodynamics.....	4
PHY440 Quantum Mechanics.....	4
PHY490 Research	3
COS205 Scientific Computing.....	3
MAT124M* Calculus 1.....	4
MAT125 Calculus 2.....	4
MAT222 Differential Equations	3
MAT223 Multivariable Calculus	3
Choose from:	3-4
COS344 Numerical Methods	
PHY350 Computer Methods in Physics and Engineering	
	<hr/>
	65-66
General Education.....	51-52
Electives.....	4-6**
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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.)		Semester Credit Hours
PHY290D*	General Physics I	4
PHY295	General Physics II.....	4
PHY300	Electronics.....	4
PHY310	Modern Physics	4
PHY320	Mathematical Methods in Physics and Engineering.....	4
PHY330	Optics.....	4
PHY350	Computer Methods in Physics and Engineering.....	4
PHY420	Fluid Mechanics	4
PHY430	Topics in Contemporary Optics	4
Choose from:	.....	8
PHY340	Mechanics	
PHY400	Electricity and Magnetism	
PHY410	Thermodynamics	
PHY440	Quantum Mechanics	
Choose from:	.....	2
PHY360 & PHY365	Physics Research Seminar I & II	
PHY481	Internship in Physics	
CHE111D*	General Chemistry I.....	4
COS205	Scientific Computing.....	3
MAT124M*	Calculus 1.....	4
MAT125	Calculus 2.....	4
MAT222	Differential Equations	3
MAT223	Multivariable Calculus	3
Choose from:	.....	3-4
CHE212	General Chemistry II	
COS344	Numerical Methods	
MAT330	Probability and Statistics	
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		70-71
General Education.....		51-52
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	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.)**

	Semester Credit Hours
PHY110D* Introduction to Astronomy	4
PHY290D* General Physics I.....	4
PHY295 General Physics II	4
PHY300 Electronics.....	4
PHY310 Modern Physics.....	4
Choose from:	4
PHY330 Optics	
PHY400 Electricity and Magnetism	
PHY410 Thermodynamics	
Choose from:	4
BIO101D* Principles of Biology	
BIO112D* Introduction to Molecular and Cellular Biology	
BIO113D* Introduction to Organismic Biology	
BIO114D* Introduction to Biodiversity, Ecology, and Adaptation	
CHE111D* General Chemistry I.....	4
CHE212 General Chemistry II.....	4
EDU200 Introduction to Education	3
EDU201 Introduction to Education Field Experience	1
EDU203 School Health and Drugs	2
EDU220 Introduction to Middle Level Education	3
EDU240 Educational Psychology	3
EDU241 Educational Psychology Field Experience.....	1
EDU317GZ* Understanding Diversity.....	3
EDU320 Pedagogy of the Young Adolescent Learner	2
EDU420 Methods in Teaching 5–12 Science	3
EDU429 Middle Level Education Practicum in Science	1
EDU490 Student Teaching Block.....	15
GEL167D* Geology	4
MAT124M* Calculus 1	4
MAT125 Calculus 2.....	4
MAT223 Multivariable Calculus.....	3
	88
General Education.....	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

	Semester Credit Hours
Choose from:	8
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

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 working 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.

POS220L • Growth and Power in American Cities *(interim) 3 credits*

Development of American cities over time, adapting their heritage to social and technological challenges. Emphasis on how cities are currently governed and by whom, and how they respond to current policy issues. 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.

POS241L • 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 US 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**(fall, even # yrs) 3 credits**

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**(spring, odd # yrs) 3 credits**

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**(spring) 3 credits**

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**(fall, even # yrs) 3 credits**

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**(fall, odd # yrs) 3 credits**

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.

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.)

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. Prerequisite: 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.



PROGRAMS**Major in Political Science (B.A.)**

	Semester Credit Hours
POS211 The Political Quest.....	3
POS499 Senior Seminar	4
Choose from American politics and government courses:	3
POS100 American Politics and Government	
POS216L* American Constitutional History	
POS219L* Public Leadership	
POS220L* Growth and Power in American Cities	
POS304 Political Parties and Elections	
POS306 Public Administration	
POS325 Political Communication	
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	
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
	<hr/>
	34-35
General Education.....	51-52
Electives.....	35-37
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	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**Semester
Credit Hours**

POS211	The Political Quest.....	3
Electives from political science courses, of which at least 7 credits must be 300 level or above.....		15

TOTAL 18**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.

BUS210	Financial Accounting
ECO201	Principles of Economics
ENW205A*	Essay Writing
HIS/POS216L*	American Constitutional History
PHI225M*	Introduction to Logic
POS100	American Politics and Government

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

PRE-MEDICINE AND OTHER HEALTH CARE PROFESSIONAL PROGRAMS

Bethel provides the appropriate programs for students who wish to pursue careers in medicine, dentistry, veterinary science, physical therapy, pharmacy, or other health care professions. Most medical and health care 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
	<i>or</i>
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 health care professions. Most of these are post-graduate 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-Osteopathic Medicine
Pre-Chiropractic Medicine	Pre-Pharmacy
Pre-Dentistry	Pre-Physical Therapy
Pre-Medicine	Pre-Physician's Assistant
Pre-Occupational Therapy	Pre-Podiatry
Pre-Optometry	

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, <http://cas.bethel.edu/antiochway/index.html>.

PSYCHOLOGY

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*(fall, 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.

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.



PROGRAMS**Major in Psychology (B.A.)**

	Semester Credit Hours
PSY100 Introduction to Psychology.....	3
PSY230M* Introduction to Statistical Methods and Experimental Design	4
PSY355 Research Principles and Laboratory.....	4
PSY493 Psychology Internship and Seminar	4
PSY499 Senior Seminar	3
Choose from Developmental Psychology courses:	3
PSY203 Lifespan Development	
PSY206 Child and Adolescent Development	
PSY211 Adult Development and Aging	
Choose from History of Psychology courses:.....	3
PSY315 History of Psychology	
PSY320Z European Pioneers in Psychology	
Choose from Socio-cultural Bases of Behavior courses:.....	3
PSY215 Social Psychology	
PSY308G* Cross-Cultural Psychology	
PSY313G* Families in Cross-Cultural Perspective	
Choose from Abnormal or Personality courses:.....	3
PSY300 Abnormal Psychology	
PSY305 Personality	
Choose from Experimental Psychology courses:.....	8
PSY322 Animal Behavior	
PSY323 Motivation and Emotion	
PSY335 Tests and Measurement	
PSY340 Physiological Psychology	
PSY345 Conditioning and Learning	
PSY350 Cognitive Psychology	
PSY440 Sensation and Perception	
One 4-Credit Elective: Choose from any of the above 4-credit Experimental Psychology courses or the following:.....	4
PSY330 Disabilities and Giftedness	
PSY400 Principles of Counseling and Psychotherapy	
One 3- or 4-Credit Elective: Choose from any 3- or 4-credit courses above or the following:	3-4
PSY304 Introduction to Forensic Psychology	
PSY310 Addiction and Recovery	
PSY325G Psychology of Religion	
	<hr/>
	45-46
General Education.....	51-52
Electives.....	24-26
	<hr/>
	TOTAL 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**Semester
Credit Hours**

PSY100	Introduction to Psychology.....	3
Choose from:		3
PSY203	Lifespan Development	
PSY206	Child and Adolescent Development	
PSY211	Adult Development and Aging	
Choose from:		4
PSY323	Motivation and Emotion	
PSY330	Disabilities and Giftedness	
PSY335	Tests and Measurement	
PSY340	Physiological Psychology	
PSY345	Conditioning and Learning	
PSY350	Cognitive Psychology	
PSY400	Principles of Counseling and Psychotherapy	
PSY440	Sensation and Perception	
Electives from 200-level or above psychology courses,		9
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 are 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.

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****Semester
Credit Hours**

REL200L*	Western Religious Traditions.....	3
REL205U*	Religions of India, China, and Japan.....	3
Choose from Disciplinary Perspectives:.....		3
PHI305G*	Philosophy of Religion	
PSY325	Psychology of Religion	
SOC372G*	Religion in Society	
Choose from:		12
REL201	Religion and Art in Asia	
REL206UZ*	Religious Traditions in Asia: Thailand	
REL225L*	New Religious Movements	
REL354	Islam	
REL356G*	Judaism	
REL401	Christianity and the World's Religions	
PHI375G*	Asian Thought	
Either or both of the two courses not selected from the Disciplinary Perspectives category		
Directed study on specific religious tradition		

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.

SOCIAL WORK

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 by the State of Minnesota and by other states that require such licensure. 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.

Program Admission

To be formally accepted into the social work program, the student must:

1. Complete SOW200Z Introduction to Helping Relationships and Services with a grade of C or better;
2. Demonstrate basic competencies in mathematics and written and oral communication;
3. Have a cumulative GPA of 2.25 at time of admission to the program;
4. Give evidence of personal competencies (such as assertiveness, integrity, acceptance, and appreciation of human differences) and emotional maturity 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);
5. 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 services to people;
 - b. Complete a written self-analysis of aptitude to become a social work professional; and
 - c. Provide two letters of reference from individuals qualified to assess applicant's aptitude to pursue social work as a profession.
6. Interview with social work faculty to discuss application and readiness to enter social work program. The full-time faculty assess the application, and notification is given to the applicant of decision concerning acceptance.

Field Practicum Admission

All of the above requirements must be completed and acceptance into the program must be finalized before students may begin their SOW334 Social Work Field Experience practicum. Further details on admission to the field practicum are described in the *Social Work Program Policy Handbook*.

International Field Practicum

Junior level students may fulfill SOW334 Social Work Field Experience in a social work approved international semester program. Students must work with the Office of International Studies and obtain approval from the field director of the social work program. Students 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 and be certified to graduate with a social work major, students 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);

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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 a recommendation from junior-level (SOW334) field instructor and faculty liaison confirming that satisfactory progress is evident and that no barriers are present to preclude the student from taking on the demanding responsibilities of 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 progress 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 (SOW432, 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 accepted standards of professional conduct, personal competencies, and emotional maturity requisite for professional practice. Actions inconsistent with the above expectations include: (a) inappropriate or disruptive behaviors toward colleagues, faculty, or staff members (at the university or in the field practicum placements) and (b) failure to demonstrate effective interpersonal skills necessary for forming professional helping relationships (such as a judgmental attitude toward others or an inability to allow client self-determination); 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 (as a social work major) after having dropped out of the program for any reason must apply for readmission into the social work 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.

COURSES

Social Work Courses

SOW200Z • Introduction to Helping Relationships and Services *(fall, spring) 4 credits*

Human need as experienced and expressed in diverse cultural perspectives (especially in oppressed and at-risk populations) and services designed to meet diverse needs. Practice settings, helping roles, and a variety of value issues are examined. Opportunity to consider social work as a possible career choice. Includes a significant, cross-cultural, community-based service learning experience in which students communicate and collaborate with diverse individuals. Prerequisites: Sophomore standing; introductory course in the social and behavioral sciences.

SOW250 • 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 history.)

SOW304 • Social Work Practice I*(fall)* 4 credits

Generalist social work theory and practice with groups; organizations; communities. Human behavior in the social environment and research-based knowledge emphasized. Assignments in community settings focus on engagement and assessment; dimensions of diversity; interaction of social systems; and a social change plan. Must be taken concurrently with SOW313. Prerequisites: Major in social work; SOW200Z; PSY203.

SOW305 • Social Policy Change Strategies*(spring)* 4 credits

Interrelationship of social problems, social welfare policies, and resultant social welfare services from historical, economic, political, and programmatic perspectives are examined. Social systems and HBSE content of special relevance is applied to social welfare policy analysis. Includes community-based projects in which students provide advocacy for non-discriminatory social and economic systems. Prerequisites: SOW200Z; SOW250; ECO200; POS100. (Non-majors may take course only with consent of instructor.)

SOW313 • Social Work Practice II*(fall)* 3 credits

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 SOW304. Prerequisites: Major in social work; SOW200Z; SOC101.

SOW327G • Social Relations:*(spring)* 3 credits**Issues of Power and Privilege in the U.S.**

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.

SOW334 • Social Work Field Experience*(spring)* 3 credits

Placement in a field agency under social work supervision, plus a weekly integrative group seminar. Students are in the field a minimum of 120 hours, averaging eight hours per week for 15 weeks. Increased readiness for senior-level field instruction is a primary course objective. Must be taken concurrently with SOW305. Prerequisites: SOW304; SOW313; major in social work; admission into the social work 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

Synthesis of human development and social environment knowledge, practice theories and skills; research-based interventions; principles of social justice. Case studies promote critical thinking and informed decision-making. Professional oral and writing skills emphasized. Must be taken concurrently with SOW432. Prerequisites: SOW200Z; PSY203; SOW304; SOW313; admission into the social work program.

SOW432 • Social Work Field Instruction I*(fall, spring)* 3 credits

Placement in an agency setting under the guidance of an agency-based social work field instructor. Engagement in a variety of professional roles and activities to achieve beginning-level social work practice skill. An on-campus, weekly integrative seminar. Time involvement must total a minimum of 135 clock hours in the field. Must be taken concurrently with SOW405. Prerequisite: Acceptance into the social work program.

SOW433 • Social Work Field Instruction II*(fall, spring)* 3 credits

A continuation of SOW432. Time involvement must total a minimum of 135 clock hours in the field. Must be taken concurrently with SOW499. Prerequisite: SOW432.

SOW434 • Social Work Field Instruction III*(fall, spring)* 3 credits

A continuation of SOW433. Time involvement must total a minimum of 135 clock hours in the field. Must be taken concurrently with SOW499. Prerequisite: SOW433.

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 SOW434. Prerequisites: SOW351; SOW405; SOW432.



PROGRAMS**Major in Social Work (B.A.)**

	Semester Credit Hours
SOW200Z*	Introduction to Helping Relationships and Services.....4
SOW250	Social Welfare in America .....3
SOW304	Social Work Practice I .....4
SOW305	Social Policy Change Strategies .....4
SOW313	Social Work Practice II.....3
SOW334	Social Work Field Experience .....3
SOW351	Methods of Applied Social Research and Statistics.....4
SOW405	Social Work Practice III.....4
SOW432	Social Work Field Instruction I .....3
SOW433	Social Work Field Instruction II.....3
SOW434	Social Work Field Instruction III.....3
SOW499	Senior Integrative Seminar .....3
BIO103D* ^a	Human Biology .....4
ECO200 ^a	Economics of Public Policy Analysis .....3
POS100 ^a	American Politics and Government.....3
PSY100	Introduction to Psychology.....3
PSY203	Lifespan Development.....3
SOC101	Introduction to Sociology.....3
Choose from:	.....3
FAS313G*	Families in Cross-Cultural Perspective
GES450P*	Reconciliation in a Racialized Society
HIS210U*	Minorities in America
PSY308G*	Cross-Cultural Psychology
RES207U*	Martin Luther King Jr., Malcom X, and our Multicultural World
SOC342G*	Race, Ethnicity, and Peacemaking
SOC386G*	Social Inequality
SOW327G*	Social Relations: Issues of Power and Privilege in the U.S.
	63
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.

^a Substitute courses from these disciplines may be taken only with the approval of the Department of Social Work.

Minor in Social Welfare Studies

	Semester Credit Hours
SOW200Z*	Introduction to Helping Relationships and Services.....4
SOW250	Social Welfare in America .....3
SOW305	Social Policy Change Strategies .....4
SOW351	Methods of Applied Social Research and Statistics.....4
Choose from:	.....3
ECO200	Economics of Public Policy Analysis
POS100	American Politics and Government
Elective from introductory course in the social and behavioral sciences.....	3
	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

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.

THA200, 201, 300, 400 • Topics in Theatre Arts *(fall, spring) 2 credits/semester*

A group-intensive laboratory designed to explore special topics in theatre including voice production, dialects, acting for camera, and other topics depending on student interest. Students interact with theatre professionals and develop individual performance skills while promoting theatre involvement and community at Bethel. Prerequisite: sophomore, junior, or senior standing.

THA202 • 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.

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 the 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 the 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.

THA270 • Performing Shakespeare *(spring, odd # yrs)* 3 credits

The art of performing and acting Shakespeare. Basic key skills such as scansion and anti-thesis, and performance techniques needed to analyze and interpret Shakespearean text for performance. Group lab experiences and work with Shakespearean scenes and monologues. Prerequisites: Sophomore standing; THA100NA.

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.

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.

THA370 • 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; THA370.

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.)****Semester
Credit Hours**

THA100NA*	Creative Performance	3
THA105	Theatre Essentials	1
THA200/201/300/400	Topics in Theatre Arts	8
THA240	Stagecraft	4
THA270	Performing Shakespeare	3
THA279	Theatre and Culture: Classical to Modern.....	4
THA291L*	Theatre in the Modern Age.....	3
THA310	Design for the Stage	4
THA350	Advanced Acting.....	3
THA370	Directing.....	4
THA410	Theatrical Styles.....	4
THA481/490	Internship in Theatre/Theatre Practicum	4
Choose from:		3
THA250	Drama Ministry	
THA360	Musical Theatre	
Choose from:		1
PEA114QA*	Jazz Dance	
PEA115QA*	Ballet	

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.

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.)**

**Semester
Credit Hours**

THA100NA*	Creative Performance.....	3
THA105	Theatre Essentials	1
THA200/201	Topics in Theatre Arts	4
THA240	Stagecraft	4
THA279	Theatre and Culture: Classical to Modern.....	4
THA291L*	Theatre in the Modern Age.....	3
THA310	Design for the Stage.....	4
THA410	Theatrical Styles.....	4
THA481/490	Internship in Theatre/Theatre Practicum	4
ART100A*	Two-Dimensional Design	3
ART101A*	Three-Dimensional Design.....	3
ART103A*	Drawing.....	3
ART210	Painting.....	4
Choose from:		3
ARH220	Art History—Ancient Through Medieval	
ARH320	Art History—Renaissance Through Rococo	
ARH345	Art History—Contemporary Art	
Choose from:		4
ART203	Drawing II	
ART206	Sculpture	
ART310	Painting II	
		51
General Education.....		51-52
Electives.....		19-20
	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.



**Major in Theatre Arts
(Musical Theatre Emphasis) (B.A.)**

**Semester
Credit Hours**

THA100NA*	Creative Performance	3
THA105	Theatre Essentials.....	1
THA200/201	Topics in Theatre Arts	4
THA202	Producing and Performing a Musical	3
THA240	Stagecraft.....	4
THA279	Theatre and Culture: Classical to Modern	4
THA291L*	Theatre in the Modern Age	3
THA350	Advanced Acting	3
THA360	Musical Theatre.....	3
THA370	Directing	4
THA410	Theatrical Styles	4
THA481/490	Internship in Theatre/Theatre Practicum.....	4
MUL141A*	Beginning Voice	1
MUL143A*	Introduction to Keyboard Theory	1
MUL241/341/441	Intermediate Voice Class	1
MUS102	Introduction to Music	3
MUS104	Music Theory I.....	3
PEA114QA*	Jazz Dance.....	1
PEA115QA*	Ballet	1
		51
General Education.....		51-52
Electives.....		19-20
		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

**Semester
Credit Hours**

THA100NA*	Creative Performance.....	3
THA105	Theatre Essentials	1
THA200/201	Topics in Theatre Arts	4
Choose from:.....		4
THA240	Stagecraft	
THA310	Design for the Stage	
Choose from:.....		3-4
THA279	Theatre and Culture: Classical to Modern	
THA291L*	Theatre in the Modern Age	
Electives from theatre arts courses.....		4
		TOTAL 19-20

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

YOUTH MINISTRY

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.)		Semester Credit Hours
YOM200	Foundations of Ministry.....	4
YOM210	Adolescent Development in the Context of Family	3
YOM250	Sophomore Practicum	2
YOM310	Understanding Adolescent Cultures	3
YOM315	Faith Development of Youth.....	3
YOM320	Organizational Issues in Youth Ministry.....	3
YOM321	Issues in Youth Ministry.....	3
YOM340	Teaching and Programming Skills in Youth Ministry.....	3
YOM403	Senior Practicum	3
YOM404	Senior Practicum	3
BIB210	History of Israel.....	4
BIB217	Significance of the Old Testament for Today.....	3
BIB260	The Life and Teachings of Jesus	4
BIB265	The Life and Teachings of Paul	4
Choose from:	.....	3
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:	.....	6-8
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:	.....	3-4
ANT310, 311	Frogtown Urban Experience I & II	
ANT381G*	Urbanism: A Way of Life	
SCS229U*	Interaction with Urban Life and Systems	
YOM231*	Youth Ministry in an Urban Context	
		57-60
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 (<http://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
- Your nonrefundable \$25 application fee (not required for Early Action Admission: November 1)
- Completed personal statement of faith

PSEO students

- Your completed and signed Bethel University PSEO application form or completed online application (<http://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 Bethel

Transfer students or nontraditional students

- Your completed and signed application form or completed online application (<http://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
- Your nonrefundable \$25 (U.S.) application fee (not required for fall term applicants if received by November 1)

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
- Your nonrefundable \$25 (U.S.) application fee

**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

- Those students entering prior to fall 2009 will be required to submit an Enrollment Deposit of \$150. Those enrolling for fall 2009 and beyond will be required to submit an Enrollment Deposit of \$200.
- Housing and course registration processes will begin after enrollment deposits are 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 \$150 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:

<http://cas.bethel.edu/admissions/>.

Finances

2008-09

The Board of Trustees reserves the right to change any financial charges or regulations listed in this catalog.

STUDENT COSTS FOR 2008-09

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

TUITION:	Fall '08	Interim '09	Spring '09
FT Fall and FT Spring	\$12,875	No charge (up to 5 credits)	\$12,875
FT Fall, and PT Spring or NR	\$12,875	\$517.50/credit	\$1,035/credit
PT Fall or NR, and FT Spring	\$1,035/credit	\$517.50/credit	\$12,875
PT Fall or NR, and PT Spring or NR	\$1,035/credit	\$1,035/credit	\$1,035/credit
Interim Only	—	\$1,035/credit	—
Off-Campus Programs	Contact Office of International Studies		
Teacher Licensure Rate	\$685/credit	\$685/credit	\$685/credit
Post-baccalaureate Rate (already have Bethel baccalaureate degree)	\$685/credit	\$685/credit	\$685/credit
2009 Summer School	\$435/credit		

ROOM (first-time residents in Bethel housing):			
	Fall '08	Interim '09	Spring '09
In Bethel Housing Fall, Spring, and Interim	\$2,270	No Charge	\$2,270
In Bethel Housing Fall and Interim	\$2,270	\$220	—
In Bethel Housing Spring and Interim	—	\$220	\$2,270
In Bethel Housing Interim Only	—	\$440	—

ROOM (second consecutive year in Bethel housing):			
	Fall '08	Interim '09	Spring '09
In Bethel Housing Fall, Spring, and Interim	\$2,200	No Charge	\$2,200
In Bethel Housing Fall and Interim	\$2,200	\$215	—
In Bethel Housing Spring and Interim	—	\$215	\$2,200

ROOM (third or fourth consecutive year in Bethel housing):			
	Fall '08	Interim '09	Spring '09
In Bethel Housing Fall, Spring, and Interim	\$2,130	No Charge	\$2,130
In Bethel Housing Fall and Interim	\$2,130	\$210	—
In Bethel Housing Spring and Interim	—	\$210	\$2,130

BOARD:

The description and prices of meal plan options will be posted as soon as they are available at: http://cas.bethel.edu/student_services/meal-plans.html.

(Maximum amount is \$3,080 per year.)

FEES:

	Fall '08	Interim '09	Spring '09
Student Activity Fee	\$55		\$55
Overload Fee*	\$775/credit		\$775/credit
Audit Fee	\$195/credit	\$195/credit	\$195/credit
Cable Television	\$20		\$20

*Overloads are not permitted during interim.

MUSIC INSTRUCTION

½ hour per week private lesson	\$425 per semester
¾ hour per week private lesson	\$600 per semester
One hour per week private lesson	\$770 per semester
Group voice lesson	\$300 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

Admission Application Fee* (nonrefundable)	\$25
Credit by Examination	\$45 per credit
Enrollment Deposit (nonrefundable after May 1)	\$150
Housing Deposit	\$150
Nursing Lab Fee	\$80
Science Lab Fee	\$80
Official Transcript	\$2 per copy
Late Registration/Late Course Change Fee	\$30
Parking Permit	\$75 per semester
Nursing Malpractice Insurance (juniors and seniors only)	\$75
Additional Course Fees, indicated in registration materials	Amount varies

*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*

Fall semester charges for tuition, fees, room, and board are due on the day classes begin. Spring semester charges for tuition, fees, room, and board are due on January 15. A finance charge of 1 percent per month is assessed on any unpaid balance.

Monthly Payment Plan

Bethel University offers a monthly payment plan (through Sallie Mae), which enables monthly installment payments without interest charges accruing. Participation is on an annual basis. There is an annual enrollment fee. Information regarding the details of this payment option is available at www.tuitionpay.com/bethel.

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.

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 campus-based 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 \$150 (\$200 for fall 2009) 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 specials 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.

TRANSCRIPT HOLD

A transcript hold prevents an official transcript from being printed by the registrar. If payment has not been received for grades that are available, a transcript hold is placed on the student account. (See the registrar's office if you have questions.) Students can register if they have a transcript hold, as long as there is not a registration hold.

MONTHLY STATEMENTS

Statements of student accounts are printed each month and placed in the students' P.O. boxes on campus with the exception of summer (June, July, and August) and December. The August statement includes the fall semester billing, and the December statement includes the spring semester billing. The summer and December monthly statements are mailed to the student's permanent address on file. It is the responsibility of the student to make sure his or her permanent address is correct.

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:

Through the sixth business day	100 percent
Through Friday of the third week	75 percent
Through Friday of the fifth week	50 percent
Through Friday of the seventh week	25 percent
After Friday of the seventh week	No refund

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 2008-2009” 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 (first five days of the semester) 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 aid funds awarded to the student. This “Return of Title IV Funds” policy is required by federal rules and went into effect at Bethel 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, 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 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 using the following formula: “remaining refund” x (MN financial aid funds/all non-Title IV financial aid). 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 \$1,042.

Institutional Charges	Original	Refund %	Refund \$	Net Charges
Tuition	\$12,200	75%	(\$9,150)	\$3,050
Room	\$2,200	75%	(\$1,650)	\$550
Class Fee (e.g., lab)	\$50	0%	0	\$50
Meal Plan	\$1,490	Prorated	(\$1,149)	\$341
Student Activity Fee	\$55	0%	0	\$55
Total Charges	\$15,995		(\$11,949)	\$4,046

Financial Aid and Cash	Original	Refund %	Refund \$	Net Payments
Federal Stafford Loan	(\$2,750)	-100%	\$2,750	\$0
Federal Pell Grant	(\$1,300)	-31%	\$409	(\$891)
Minnesota State Grant	(\$1,900)	-94%	\$1,779	(\$121)
Minnesota SELF Loan	(\$750)	-94%	\$702	(\$48)
Bethel Grant	(\$2,500)	-75%	\$1,875	(\$625)
Private Scholarship	(\$500)	-75%	\$375	(\$125)
Sub-total	(\$9,700)		\$7,890	(\$1,810)
Cash Paid	(\$3,000)	0	0	(\$3,000)
Total Payments on Account	(\$12,700)		\$7,890	(\$4,810)

Summary	Original Bill	Refund \$	New Bill
Total Charges	\$14,870	(\$11,102)	\$3,768
Total Payments on Account	(\$12,700)	\$7,890	(\$4,810)
Difference	\$2,170*	(\$3,212)	(\$1,042)**

* Prior to withdrawal this student owed \$2,170 on his/her Bethel account.

** After withdrawal this student will receive a refund of \$1,042 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. Various types of aid (gift aid, loans, and employment) will be packaged to meet four objectives:
 - As funds permit, no aid recipient should be forced to borrow an unreasonable amount to meet demonstrated financial need.
 - Every needy aid recipient shall be expected to accept some self-help aid (loans and/or employment). Packages consisting totally of gift aid are rarely offered.
 - Within the boundaries of the above two objectives, the percentage of a student's need met by gift aid will depend on his or her academic achievement, campus participation, and other contributions to the college.
 - Total gift aid from all sources will rarely exceed the student's actual tuition charges.
4. 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.
5. 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.
6. 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.
7. 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. If you are seeking only non-need-based aid from Bethel, complete only the first two pages of the application. You need not complete steps 3-7 below. If you are seeking all possible aid, including need-based gift aid and any loans, also complete the following steps.
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:

Cumulative Attempted Credits	Required Completion Percentage
Fewer than 60	60%
60 to 89	65%
90 and above	67%

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 first 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 aca-

demical 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 appeal. 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

Any student borrower who graduates, withdraws, transfers to another school, or drops below half-time attendance must complete a loan exit session. During this session the borrower is informed of his or her rights and responsibilities, including repayment options for student loans. The university will not release transcripts until the loan exit session is completed.

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 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

PROGRAM	AMOUNT	ELIGIBILITY	COMMENTS
Bethel University National Merit Scholarship	\$1,000 to \$2,000	National Merit Scholarship Finalists who list Bethel as their first-choice school and are not awarded another form of the National Merit Scholarship.	Renewable. At least three awarded each year. Apply through the National Merit Scholarship Corporation.
President's Scholarship	\$6,000 to \$11,000	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.	Renewable over four years by maintaining a 3.20 cumulative GPA. Not need-based.
Dean's Scholarship	\$3,500 to \$5,999		
Faculty Scholarship	\$500 to \$3,499		
Edgren Scholarship	\$1,000 to \$3,000	Merit-based scholarship awarded by the admissions committee to freshmen and transfer students.	Renewable. Must be enrolled full time and in good standing. Not need-based.
Royal Scholarship	up to \$1,500	A legacy scholarship awarded to students with family member(s) who have previously attended Bethel University.	Renewable. Must be enrolled full time. Not need based.
Performance Scholarships	\$1,000 to \$4,000	Through audition with the appropriate department. Must be full time and maintain a 2.50 cumulative GPA.	Renewable. Contact music, theatre, art, or communication studies departments before February for eligibility and audition information. Not need-based.
Ministerial Grant	\$1,000 or \$1,200	Children of full-time ordained ministers or missionaries of the BGC (\$1,200) or other denominations (\$1,000). Dependent students only.	Student must be full time and maintain a 2.00 cumulative GPA. Not need-based. Renewable.
Travel Grant	up to \$800	Full-time, dependent students from outside Minnesota or western Wisconsin.	Not need-based. Amount varies based on location. Grant is credited to tuition. Renewable.
International Student Grant	up to \$3,000	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.	Apply through the Bethel Office of Admissions using the Certificate of Finances form.
Transfer Grant	\$500 to \$2,000	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.	Amount varies each year depending on need, other gift aid, and campus housing.

PROGRAM	AMOUNT	ELIGIBILITY	COMMENTS
Partnership Grant	up to \$1,000	Dollar-for-dollar match of a church scholarship. The church must submit an agreement form and funds to Bethel by August 1.	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.)
Charles and Ellora Alliss Foundation Grant	\$500 to \$2,400	Students ranking in top 40 percent of class. Recipients must give permission for their data to be reported to the foundation.	Must demonstrate need.
Federal Supplemental Educational Opportunity Grant (SEOG)	\$100 to \$4,000	High-need students without adequate funding from other government grant programs.	Must demonstrate need.
Bethel Grant	up to \$9,000	Students without adequate funding from other grants.	Must demonstrate need.
Bethel Opportunity Grant	up to \$8,000	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.	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.
Bethel Campus Housing Grant	up to \$1,000 per year	Students living in campus housing (includes Fountain Terrace) without adequate funding from other grants.	Must demonstrate need.
Federal Pell Grant	\$400 to \$4,310	Government entitlement program awarded to students with the highest need.	Apply using FAFSA.
Academic Competitiveness Grant	Maximum of \$750 for first-year students; \$1,300 for second-year students	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.	Apply using FAFSA.
National Science and Mathematics Access to Retain Talent (SMART) Grant	Maximum of \$4,000 per year for third- and fourth-year students	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.	Apply using FAFSA.
Phi Theta Kappa Scholarship	\$1,500 to \$3,500	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 baccalaureate degrees are not eligible.	Renewable with 3.00 cumulative GPA. Must be full time and in good standing. Not need based.

PROGRAM	AMOUNT	ELIGIBILITY	COMMENTS
Canadian Student Grant	up to \$6,000 per year	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.	Renewable for up to three additional years if full time without a bachelor's degree.
Minnesota State Grant	\$100 to \$8,498 (in 2007-08)	Awarded by the State of Minnesota to residents who demonstrate sufficient need.	Must take 15 credits per term to receive full-time grant amount. Lesser credit load will cause a reduced award.
Departmental Scholarships (Special Awards)	up to \$6,000	Current Bethel students upon the recommendation of Bethel faculty members.	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 & Sciences catalog for scholarship descriptions.
Federal Perkins Loan	\$100 to \$3,000 per year, up to \$15,000 cumulative maximum	Students must demonstrate need. Typically, qualifying freshmen receive up to \$2,000 and sophomores up to \$1,000.	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.
Subsidized Federal Stafford Student Loan	up to \$3,500-freshmen, \$4,500-sophomores, \$5,500-juniors and above, \$23,000 cumulative maximum	Students demonstrating financial need.	Federal government pays the interest until repayment begins six months after student graduates, withdraws, or drops below half time. Loans disbursed on or after July 1, 2006, have a fixed 6.8 percent interest rate. Loans are made through a bank, savings and loan, or credit union.
Unsubsidized Federal Stafford Loan	*up to \$3,500-freshmen, \$4,500-sophomores, \$5,500-juniors and above, \$23,000 cumulative maximum	Students who do not qualify for a subsidized Stafford Loan or students who qualify for only a partial subsidized Federal Stafford Loan. *Independent students up to \$7,500-freshmen, \$8,500-sophomores, \$10,500-juniors, \$10,500-seniors, \$46,000 cumulative maximum	Same terms and conditions as Stafford Loan, except that the borrower is responsible for interest that accrues while in school. Borrowers may receive both subsidized and unsubsidized Federal Stafford Loans totaling up to the applicable Stafford limit.

PROGRAM	AMOUNT	ELIGIBILITY	COMMENTS
Federal PLUS Loan	Cost of attendance minus other aid	Parent of dependent students.	Loans disbursed on or after July 1, 2006, have a fixed 8.5 percent interest rate. Repayment of principal and interest begins 60 days after loan is fully disbursed.
Supplemental Education Loan Fund (SELF)	up to \$6,000-freshmen and sophomores, \$7,500-juniors and seniors, \$25,000 cumulative maximum	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.	Variable interest rate. Student makes quarterly interest payments. Interest was 7.0 percent in early 2008. There is a cap on interest rate changes of 2 percent during any 12-month period.
Private Student Loans	Cost of attendance minus other aid	Variable interest rates. Repayment generally begins after students graduate. Students responsible for interest while enrolled.	Fees and interest rates vary depending on lender and credit check. Co-signer required by some lenders. See website for details: www.bethel.edu/finaid/cas/loans/private
Emergency Loan	up to \$500	Any currently enrolled Bethel student, for qualifying emergencies.	Must be repaid in 60 days. Service charge of \$1 per \$100 each month.
Federal College Work Study	Varies, average equals \$1,200 to \$2,200	Students demonstrating financial need.	Students usually work 6-15 hours per week in this federal program.
Minnesota Work Study	Varies, average equals \$1,200 to \$2,200	Students demonstrating financial need.	Students usually work 6-15 hours per week in this state program.
Bethel Campus Employment	Varies	Any Bethel student.	Students usually work 6-15 hours per week.
Assistantships (TAs)	Varies	Upperclass students who excel in their majors or who have special skills useful to an academic department. May be hired to assist faculty members.	Contact department chair.

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)

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 Baptist General Conference 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 (C'73) 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)

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)

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 its congregation, and is recommended by the 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 worthy 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 Baptist General Conference 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 and Sadie 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 Hinsdale Baptist Church in Illinois. It may also provide awards for qualifying students from the Midwest Baptist Conference of the BGC.

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 costs 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)

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 '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. (EAC042)

Class of '76 Award

The Class of '76 gives an annual award to a chemistry student who models Christian commitment, integrity, academic excellence, perseverance, a positive spirit, and mutual support. (EAC040)

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 gifts from the Banner Health System, the fund awards worthy students who are pursuing a career in nursing. First preference is given to incoming students, then to continuing students. (EAD050)

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. Students, selected by the nursing faculty, 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 3.0 GPA or higher. (EAF066)

Garven Family Fund Scholarship

This scholarship fund, established by David and Gayle Garven, provides three student scholarships. The Family Fund provides a scholarship 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, give 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 to 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 upon the recommendation of the women's athletic department to two women athletes who demonstrate financial need. (EAH084)

Edith Holm Scholarship Fund

This scholarship 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 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. It is established 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)

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 from 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 mission. (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 unique 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 exemplifies 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 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)

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 Narrengang Piano Scholarship

This scholarship was established in appreciation of Vera Narrengang. It 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 McGettrick 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 non-traditional 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 the 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. (EA0149)

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

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 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 is involved in extracurricular and campus ministry activities 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)

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. (EAR165)

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. (EAR164)

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. (EAR168)

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. (EAR172)

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. (EAR169)

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, Mahanomen, 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 health care 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, Mahanomen, 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)

**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)

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)

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 Baptist General Conference pastors or missionaries who show academic promise and who demonstrate financial need. (EAV186)

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 in the 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 student with a 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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Faculty Instructional Technology Consultant

Bob Kistler, Ph.D.

Lead Faculty Instructional Technology Consultant

Douglas Nguyen, M.A.

Director of User Services

Doug Olson, B.S.

Director of Network Services

Matthew Putz, M.Div.

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Barbara Smith, B.A.

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Alain Swanson, M.S.

Director of Systems Administration

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OFFICE OF UNIVERSITY FINANCIAL AID

Daniel C. Nelson, M.S.A.

*Assistant to the President for Financial Aid,
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Lisa A. Carlson, B.A.

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Debra R. Cordova, B.A.

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Laura B. Ellwanger, B.A.

Assistant Director—Seminary

Kay C. Rindal, M.A.

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FACULTY**ACADEMIC ADMINISTRATION**

James (Jay) Barnes III, 1995. Executive Vice President and Provost of the College of Arts & Sciences, College of Adult & Professional Studies, Graduate School. B.S., Wheaton College, 1969; M.A., University of Connecticut, 1970; Ed.D., Loyola University, 1984.

George K. Brushaber, 1975. President. B.A., Wheaton College, 1959; M.A., Wheaton Graduate School, 1961; M.Div., Gordon Divinity School, 1963; Ph.D., Boston University, 1967.

Curtiss P. DeYoung, 1990. Professor of Reconciliation Studies and Special Assistant to the President for Reconciliation and Community Partnerships. B.A., Anderson University, 1980; M.Div., Howard University, 1986; Ed.D., University of St. Thomas, 2004.

Barrett Fisher II, 1988. Associate Dean of Arts and Humanities. B.A., Bowdoin College, 1980; M.A., Cornell University, 1984; Ph.D., Cornell University, 1987.

Debra K. Harless, 1989. Dean of Academic Programs. B.A., Bethel College, 1983; M.A., University of Minnesota, 1987; Ph.D., University of Minnesota, 1995.

Vincent Peters, 1995. Associate Dean of Off-Campus Programs. B.A., Loyola University, India, 1982; M.S.W., Madras School of Social Work, 1984.

Carl E. Polding, 2001. Dean of College of Adult & Professional Studies and Graduate School. B.A., Crown College, 1977; M.A., Wheaton College Graduate School, 1981; Ph.D., Michigan State University, 1991.

Richard Sherry, 1994. Dean of Faculty Growth and Assessment. B.A., Washington State University, 1971; M.A., University of Illinois, 1973; Ph.D., University of Illinois, 1978.

Robert C. Suderman, 1976. Director of University Library. A.B., Tabor College, 1961; M.L., Kansas State College, 1970.

Deborah Sullivan-Trainor, 1999. Associate Dean of General Education and Faculty Development. B.A., Texas Tech University, 1977; M.A., Texas Tech University, 1984; Ph.D., University of California, 1994.

FACULTY OF INSTRUCTION

A. Brent Adams, 1999. Associate Professor of Theatre. B.A., University of Kentucky, 1985; M.F.A., University of Minnesota, 1991.

Phyllis E. Alsdurf, 2003. Associate Professor of English. B.A., Evangel College, 1972; M.A., Kansas State University, 1974; M.A., Western Kentucky University, 1977; Ph.D., University of Minnesota, 2004.

Bryan A. Anderson, 1991. Assistant Professor of Biological Sciences. B.S., Northland College, 1981; M.S., University of Minnesota, 1989.

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- James K. Beilby**, 2001. Associate Professor of Biblical and Theological Studies. B.S., Northwestern College (MN), 1991; M.A.T.S., Bethel Theological Seminary, 1994; Ph.D., Marquette University, 2002.
- Timothy S. Bredow**, 1998. Professor of Nursing. B.S., University of Iowa, 1974; B.S.N., University of Iowa, 1976; M.A.N., University of Iowa, 1980; Ph.D., University of Iowa, 1988.
- Susan L. Brooks**, 1998. Associate Professor of English. B.A., Bethel College, 1986; M.S., Mankato State University, 1994.
- Scott A. Brown**, 1996. Professor of Mathematics. B.S., University of Wyoming, 1978; M.S.T., University of Wyoming, 1985; Ed.D., Montana State University, 1996.
- Mark Bruce**, 2005. Assistant Professor of English. B.A., Bethel College, 1991; M.A., Colorado State University, 1995; Ph.D., University of Iowa, 2005.
- Nancy J. Brule**, 2004. Associate Professor of Communication Studies. B.S., Moorhead State University, 1994; M.S., Mankato State University, 1996; Ph.D., University of Nebraska, 2002.
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- Justin J. Byers**, 2004. Assistant Professor of Health and Physical Education and Assistant Athletic Trainer. B.S., University of Wisconsin, 1998; M.S., University of Wisconsin, 2002.
- G. William Carlson**, 1968. Professor of History and Political Science. B.A., Bethel College, 1965; M.A., University of Minnesota, 1969; Ph.D., University of Minnesota, 1985.
- Guy M. Chase**, 2001. Associate Professor of Art. B.A., Bethel College, 1977; M.F.A., School of the Art Institute of Chicago, 1981.
- David J. Cheesebrow**, 2007. Associate Professor of Nursing. B.A., Hamline University, 1976; M.P.A., Hamline University, 2001.
- Christian Collins Winn**, 2005. Assistant Professor of Biblical and Theological Studies. B.A., University of North Carolina, 1993; M.Div., Gordon-Conwell Theological Seminary, 1999; M.Phil., Drew University, 2003; Ph.D., Drew University, 2006.
- Patrice L. Conrath**, 1988-89; 1990. Associate Professor of Mathematics. B.A., Bethel College, 1986; M.S., University of Oklahoma, 1988; M.S., University of Minnesota, 1990.
- Jody J. Cowdin**, 2000. Associate Professor of Education. B.S., Illinois State University, 1980; M.A., St. Mary's College, 1991; M.Ed., Bethel College, 1993.
- Kevin M. Cragg**, 1980. Professor of History. B.A., Wheaton College, 1967; M.A., University of Chicago, 1969; Ph.D., University of Michigan, 1976.
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- Nikki L. Daniels**, 2002. Assistant Professor of Organizational Leadership. B.A., Trinity College, 1973; M.A., Bethel College, 1997.
- Teresa F. DeGolier**, 1994. Professor of Biological Sciences. B.A., Calvin College, 1980; M.S., Florida Atlantic University, 1990; Ph.D., University of Minnesota, 1994.
- Joyce E. Doan**, 2004. Assistant Professor of Biological Sciences. B.A., Albion College, 1995; Ph.D., University of Wisconsin, 1999.
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- Karen B. Drake**, 1992. Professor of Nursing. B.S.N., University of Illinois, 1971; M.S., University of Michigan, 1981; Ph.D., University of Minnesota, 2004.
- Michael R. Dreher**, 1997. Professor of Communication Studies. B.A., North Central College (IL), 1989; M.A., University of Iowa, 1992; Ph.D., Louisiana State University, 1995.
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- Paul R. Eddy**, 1997. Professor of Biblical and Theological Studies. B.A., Bethel College, 1983; M.A.T.S., Bethel Theological Seminary, 1991; Ph.D., Marquette University, 1998.
- Steven E. Enderlein**, 1997. Associate Professor of Biblical Studies. B.A., Northwestern College (MN), 1984; M.A., Wheaton College, 1989; Ph.D., Marquette University, 1998.
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- Timothy J. Essenburg**, 1989. Professor of Economics. B.A., Covenant College, 1983; M.A., University of Tennessee, 1986; Ph.D., University of Tennessee, 1991.
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- Leta J. Frazier**, 1982. Professor of Communication Studies. B.A., Tennessee Temple College, 1959; M.A.T., University of Tennessee at Chattanooga, 1961; M.A., University of Minnesota, 1980; Ph.D., University of Minnesota, 1988.
- Joel D. Frederickson**, 1996. Professor of Psychology. B.A., Bethel College, 1989; M.A., University of Minnesota, 1992; Ph.D., University of Minnesota, 1997.
- Kirk R. Freeman**, 1987. Professor of Art. B.A., Bethel College, 1974; M.F.A., University of Puget Sound, 1977.
- Pamela K. Friesen**, 1985. Associate Professor of Nursing. B.S.N., University of Mary Hardin, 1976; M.S.N., University of Texas, 1985; Ph.D., University of Minnesota, 2003.
- Leo T. Gabriel**, 1991. Associate Professor of Business. B.Sc., Grand Valley State University, 1978; M.Sc., Temple University, 1987; D.B.A., Anderson University, 2007.
- Christopher A. Gehrz**, 2003. Assistant Professor of History. A.B., College of William and Mary, 1996; Ph.D., Yale University, 2002.
- Andrew D. Gess**, 2001. Associate Professor of Communication Studies. B.A., Azusa Pacific University, 1982; M.Div., Fuller Theological Seminary, 1985; M.Ed., Oregon State University, 1989; Ph.D., Regent University, 1999.
- Linde J. Getahun**, 1994. Associate Professor of Psychology. B.A., Antioch University, 1980; M.S., University of LaVerne, 1982; Ph.D., University of Minnesota, 1997.
- Eric J. Gossett**, 1978-79; 1984. Professor of Mathematics and Computer Science. B.A., University of California at San Diego, 1972; M.S., University of Arizona, 1974; Ph.D., University of Arizona, 1984.
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- Adele A. Greenlee**, 1993. Professor of Education. B.A., Trinity College, 1967; M.A., University of Minnesota, 1975; Ph.D., University of Minnesota, 1992.
- Thomas R. Greenlee**, 1979. Professor of Physics. B.S., Michigan Technological University, 1970; M.S., California Institute of Technology, 1973; Ph.D., California Institute of Technology, 1978.
- Mary J. Hammond**, 1993. Associate Professor of Education. B.S., Malone College, 1970; M.Ed., Cleveland State University, 1973; Ph.D., Nova Southeastern University, 2002.
- Charles A. Hannema**, 2002. Associate Professor of Business. B.A., Wheaton College, 1978; MBA, University of Minnesota, 1984.
- Mary Ann B. Harris**, 2005. Associate Professor of Business. B.A., University of Wisconsin, 1985; MBA, Washington University, 1992; Ph.D., University of Minnesota, 2007.
- Robin C. Hasslen**, 2004. Professor of Education and Director of Early Childhood Services. B.A., Wilson College, 1967; M.S., St. Cloud State University, 1987; Ph.D., University of Minnesota, 1993.
- Dorothy L. Haugen**, 1994. Assistant Professor of Physical Education. B.S., Wheaton College, 1959; M.Ed., Bethel College, 1993.
- Stacey Hunter Hecht**, 1997. Associate Professor of Political Science. B.A., Pennsylvania State University, 1989; Ph.D., University of Minnesota, 2000.
- Steven A. Henkel**, 1986. Professor of Physical Education. B.S., University of Wisconsin, 1977; M.S., University of Wisconsin, 1984; Ph.D., University of Wisconsin, 1986.
- Juan Hernandez**, 2006. Assistant Professor of Biblical Studies. B.S.B., Valley Forge Christian College, 1991; M.Div., Gordon-Conwell Theological Seminary, 1998; Th.M., Gordon-Conwell Theological Seminary, 2000; Ph.D., Emory University, 2006.
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- Barbara A. Hogle**, 2007. Associate Professor of Nursing. B.A., Bethel College, 1984; M.S., University of Wisconsin, 1996.
- Ann Holland**, 2006. Associate Professor of Nursing. B.S.N., Indiana University, 1983; M.A. Bethel University, 2000.
- Brian D. Holland**, 1985. Associate Professor of Business. B.S., Indiana University, 1979; MBA, Indiana University, 1981.
- Michael W. Holmes**, 1982. Professor of Biblical Studies. B.A., University of California at Santa Barbara, 1973; M.A., Trinity Evangelical Divinity School, 1976; Ph.D., Princeton Theological Seminary, 1984.
- Sandra L. Horn**, 1997. Associate Professor of Education. B.A., Bethel College, 1973; M.A., University of Minnesota, 1986.
- Joey E. Horstman**, 1998. Associate Professor of English. B.A., Northwestern College (IA), 1987; M.A., DePaul University, 1989; Ph.D., Purdue University, 1997.
- Chad W. Hoyt**, 2006. Assistant Professor of Physics. B.S., Bethel College, 1994; Ph.D., University of New Mexico, 2002.
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- Jeffrey A. Jacob**, 2007. Assistant Professor of Economics. B.A., St. Stephen's College, 1997; M.A., Delhi School of Economics, 1999; M.A., Southern Methodist University, 2003; Ph.D., Southern Methodist University, 2006.
- Peter J. Jankowski**, 2004. Associate Professor of Psychology. B.S., Grace College, 1990; M.A., Grace Theological Seminary, 1993; M.S., Northern Illinois University, 1994; Ph.D., Texas Tech University, 1998.
- Adam C. Johnson**, 2008. Instructor in Psychology. B.S., Minnesota State University, 2002.
- Andy J. Johnson**, 1995. Associate Professor of Psychology. B.A., Drury College, 1983; M.A., University of Notre Dame, 1987; Ph.D., University of Notre Dame, 1990.
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- Gregg A. Johnson**, 1975. Professor of Biological Sciences. B.A., Bethel College, 1969; M.S., University of North Dakota, 1971; Ph.D., University of North Dakota, 1975.
- Janet L. Johnson**, 1996. Associate Professor of Physical Education and Physical Therapist. M.P.T., University of Nebraska Medical Center, 1992.
- Lucie R. Johnson**, 1980. Professor of Psychology. M.A., University of Louvain, Belgium, 1964; Ph.D., University of Minnesota, 1970.
- Thomas L. Johnson**, 1987. Associate Professor of Business. B.A., Wheaton College, 1969; M.A., University of Minnesota, 1973; MBA, University of Wyoming, 1986.
- Ian S. Johnston**, 1988. Associate Professor of Biological Sciences. B.A., Cambridge University, 1970; M.A., Cambridge University, 1974; Ph.D., University of California at Los Angeles, 1978.
- Gail E. Jordan**, 2000. Associate Professor of Education. B.S., University of Maine, 1973; M.S.E., University of Wisconsin, 1976.
- Maureen J. Juarez**, 1984. Assistant Professor of Nursing. B.S.N., University of Minnesota, 1968; M.S.N., University of Minnesota, 1977.
- Peter B. Kapsner**, 2007. Instructor in Biblical and Theological Studies. B.S., Bethel College, 1994; M.Div., Bethel Seminary, 2000.
- Peggy S. Kendall**, 1999. Associate Professor of Communication Studies. B.A., Bethel College, 1983; M.A., University of St. Thomas, 1988; M.A., St. Mary's University, 1997; Ph.D., University of Minnesota, 2004.
- Rollin A. King**, 2000. Associate Professor of Chemistry. B.S., Huntington College, 1995; Ph.D., University of Georgia, 1999.
- William M. Kinney**, 1998. Professor of Mathematics. B.A., Bethel College, 1990; Ph.D., University of Minnesota, 1996.
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- AnneMarie Kooistra**, 2005. Assistant Professor of History. B.A., Calvin College, 1995; M.A., University of Southern California, 1998; Ph.D., University of Southern California, 2003.
- Judith E. Landrum**, 2004. Professor of Education. B.S., University of Missouri, 1980; M.A., Fort Hays State University, 1984; Ph.D., University of Minnesota, 1996.
- Marion H. Larson**, 1986. Professor of English. B.A., Wheaton College, 1982; Ph.D., University of Minnesota, 1992.
- Bernon P. Lee**, 2008. Assistant Professor of Biblical and Theological Studies. B.A., University of Calgary, 1995; M.A., University of Calgary, 1997; Ph.D., University of St. Michael's College, 2003.
- Donna B. LeGrand**, 1999. Associate Professor of Spanish Education. B.A., Concordia College, 1978; M.A., University of Wisconsin-Madison, 1988; Ph.D., University of Minnesota, 2000.
- Joyce LeMay**, 2006. Associate Professor of Business. B.S., University of Wisconsin, 1985; MBA, Metropolitan State University, 1998.
- James F. Lewis**, 2003. Professor of Religious Studies. B.S., St. Paul Bible College (now Crown College), 1959; B.A., Bethel College, 1961; B.D., Bethel Seminary, 1963; Ph.D., University of Iowa, 1976.
- Jason T. Li**, 1986. Professor of Psychology. B.A., Northwestern University, 1978; M.A., Michigan State University, 1981; Ph.D., Michigan State University, 1985.
- Gary A. Long**, 2000. Professor of Biblical and Theological Studies. B.A., Central Bible College, 1981; M.A., Denver Seminary, 1984; Ph.D., University of Chicago, 1993.
- Naomi J. Ludeman Smith**, 1985. Associate Professor of General Studies. B.A., Bethel College, 1982; M.Ed., Bethel College, 1993.
- Mitchell P. Maddox III**, 2007. Assistant Professor of Chemistry. B.S., University of West Florida, 1998; Ph.D., Emory University, 2005.
- Diana L. Magnuson**, 1994. Professor of History. B.A., Bethel College, 1988; M.A., University of Minnesota, 1992; Ph.D., University of Minnesota, 1995.
- Ashley B. Mahoney**, 2001. Associate Professor of Chemistry. B.S., Angelo State University, 1994; Ph.D., University of Kentucky, 1999.
- Jill R. Martin**, 1996. Associate Professor of Education. B.A., Bethel College, 1983; M.A., College of St. Thomas, 1988; Ed.D., Nova Southeastern University, 2001.

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- Dmitri M. Medvedovski**, 2002. Associate Professor of Economics. B.S., Moscow State Technical College, 1989; B.S., Russian State Academy of Management, 1993; MBA, Russian State Academy of Management, 1995; Ph.D., Clemson University, 2002.
- Kimberley R. Meyer**, 1988. Associate Professor of Nursing. B.A., College of St. Catherine, 1979; M.S.N., University of Minnesota, 1987; Ed.D., University of St. Thomas, 2004.
- Bernita E. Missal**, 2002. Associate Professor of Nursing. B.S., Moody Bible Institute, 1975; M.A., Wheaton Graduate School, 1983; M.P.H., University of Minnesota, 1989; Ph.D., University of Minnesota, 2003.
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- David J. Muhovich**, 1999. Associate Professor of Nursing. B.A., Macalester College, 1978; M.P.H. and M.S., University of Minnesota, 1995.
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- Matthew B. Neibergall**, 2007. Assistant Professor of Chemistry. B.A., Bethel University, 1998; B.S., Bethel University, 1998; Ph.D., University of Minnesota, 2006.
- Wade A. Neiwert**, 2004. Assistant Professor of Chemistry. B.S., George Fox University, 1999; Ph.D., Emory University, 2004.
- J. Ruth Nelson**, 2001. Associate Professor of Psychology. B.A., Bethel College, 1996; M.A., University of Minnesota, 1998; Ph.D., University of Minnesota, 2002.
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- Richard W. Peterson**, 1980. University Professor of Physics. B.S., Wisconsin State University, 1964; M.S., Michigan State University, 1966; Ph.D., Michigan State University, 1969.
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- Don C. Postema**, 1978. Professor of Philosophy. B.A., Wheaton College, 1969; M.T.S., Gordon-Conwell Theological Seminary, 1971; M.Phil., Columbia University, 1977; Ph.D., Columbia University, 1989.
- RubyAnn Poulson**, 2002. Associate Professor of Music. B.M., University of Idaho, 1972; M.M., University of Northern Colorado, 1978; D.M.A., University of Kansas, 2002.
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- Katie J. Raisanen**, 2007. Associate Professor of Education. B.S., St. Cloud State University, 1996; M.A., Bethel University, 2005
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- Mark P. Reasoner**, 1991. Associate Professor of Biblical Studies. B.A., Bethel College, 1982; M.A., Trinity Evangelical Divinity School, 1985; M.Div., Trinity Evangelical Divinity School, 1985; Ph.D., University of Chicago, 1990.
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- Richard J. Rees**, 1980. Professor of Theatre Arts. B.A., California State University at Fresno, 1972; M.A., University of Kansas, 1974; M.F.A., University of Minnesota, 1990.
- Mark D. Rhoads**, 1988. Professor of Music. B.M., Biola University, 1972; M.A., California State University at Fullerton, 1981; D.M.A., University of Oregon, 1990.
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- Ruben Rivera**, 1996. Assistant Professor of History. B.A., Southern California College, 1986; M.A.T.S., Gordon-Conwell Theological Seminary, 1989; Ph.D., Boston University, 2007.
- Kenneth E. Rohly**, 1987. Professor of Chemistry. B.A., Spring Arbor College, 1980; Ph.D., University of Pittsburgh, 1985.
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- James G. Romaine Jr.**, 2004. Instructor in Art. B.A., Wheaton College, 1993; M.A. University of South Carolina, 1997; Ph.D., The Graduate Center of the City University of New York, 2007.
- Wayne L. Roosa**, 1983. Professor of Art. B.A., University of Colorado, 1973; M.A., Rutgers University, 1977; Ph.D., Rutgers University, 1989.
- Angela S. Sabates**, 2003. Associate Professor of Psychology. B.A., University of Miami, 1984; M.S., Northwestern University, 1986; Ph.D., Northwestern University, 1989.
- Kristin E. Sandau**, 2006. Associate Professor of Nursing. B.S., Bethel University, 1989; M.S., University of Minnesota, 1999; Ph.D., University of Minnesota, 2004.
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- Rebecca L. Seaberg**, 2004. Assistant Professor of Math and Computer Science. B.A., Bethel College, 1977; M.A., University of Minnesota, 1988.
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- Stephen D. Self**, 1999. Professor of Music. B.A., Olivet Nazarene University, 1976; M.M., University of Missouri, 1979; Ph.D., Ohio State University, 1990; D.M.A., West Virginia University, 2000.
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- L. Ripley Smith**, 2008. Professor of Media Communication. B.A., University of Dubuque, 1986; M.A., University of Minnesota, 1990; Ph.D., University of Minnesota, 1996.
- Eric W. Snider**, 2007. Professor of Philosophy. B.A., Grand Rapids Baptist College, 1980; M.A., Southern Illinois University, 1982; Ph.D., Vanderbilt University, 1985.
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