



Bethel University Catalog

College of Arts
& Sciences

2024-2025



BETHEL
UNIVERSITY

COLLEGE OF ARTS & SCIENCES

Pursue your calling. Become who you're meant to be.

Bethel's a place where we challenge each other and support each other. Where we're committed to spreading Christ's love and serving the people around us. Where we work side-by-side with brilliant professors on projects that reach far beyond the classroom. Where we have a lot of fun and make friends and memories to last a lifetime.

College of Arts & Sciences

The College of Arts & Sciences (CAS) (<https://www.bethel.edu/undergrad/>) is Bethel's undergraduate college for nearly 2,500 recent high school graduates and transfer students. We take a whole-person approach to education—encouraging each person to achieve academic goals, grow deeper in faith, and engage in a lively community, all with Christ at the center. Distinctives include more than 100 majors in inviting fields—such as the arts, humanities, business, natural sciences, and social sciences—small class sizes, and a robust study abroad program. Highly credentialed faculty members are 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.

General Information

The College of Arts and Sciences (<https://www.bethel.edu/undergrad/>) is Bethel's undergraduate college for recent high school graduates and transfer students.

This academic catalog relates to academic programs and communicates academic requirements, policies, and procedures. The student handbook outlines university procedures and expectations of students.

Every student is responsible for conforming to the expectations contained in "A Covenant for Life Together at Bethel," academic regulations, and campus procedures as stated in these five publications, as well as information published in the Bethel E-Announcements, which are distributed electronically three times per week during the academic year.

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

The Compliance Officer, Bethel University
3900 Bethel Drive
St. Paul, MN 55112
Phone: 651.638.6119

Bethel University adheres to the provisions of the federal Family Educational Rights and Privacy Act of 1974, (FERPA). For a copy of Bethel policy, contact the Office of the Registrar (<https://www.bethel.edu/registrar/>).

Accreditation and Membership

Bethel University has been continuously accredited by the Higher Learning Commission (<https://www.hlcommission.org/>) since 1959. This “regional accreditation,” recognized by the United States Department of Education, demonstrates that the university meets quality educational standards. Bethel is also accredited by the Council on Social Work Education (at the undergraduate level); and The Commission on Collegiate Nursing Education (at the undergraduate and graduate levels) which can be reached at One Dupont Circle NW 530, Washington, D.C., 20036-1120 or by phone at 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 Department of Business is accredited by the Accreditation Council for Business Schools & Programs.

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.

Bethel University is registered with the Minnesota Office of Higher Education pursuant to Minnesota Statutes sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

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. Bethel reserves the right to add a new program and related courses to this catalog after publication, upon approval from the related state and/or accrediting organizations. In this event, the new program and courses will be provided, with their effective terms, at, www.bethel.edu/undergrad/academics/ (<https://www.bethel.edu/undergrad/academics/>).

While Bethel publishes program information and materials and assigns advisors, the student is ultimately responsible to ensure 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.

ACADEMIC CALENDAR

Bethel operates on an early semester calendar with two 15-week semesters and a three-week session in January. Bethel offers five summer sessions.

Fall Semester 2024

Residence halls open (new students)	August 29
Residence halls open, noon (returning students)	August 30
Labor Day	September 2
Classes begin	September 3
Last day to add/drop a first-half or full-term course	September 10
Fall break	October 4
Homecoming	October 11-13
Family Weekend	October 11-13
Last day to withdraw from a first-half of term course	October 18
Last day of first half term courses	October 22
First day of Second half term courses	October 23
Advising Day (no day classes; night classes are held)	October 30
Last day to add/drop a second-half of term course	October 30
Registration for January Session and Spring	November 12, 14, 19, & 21
Thanksgiving break begins (Tuesday night classes are held)	November 27
Last day to withdraw from a full-term course	November 29
Classes resume	December 2
Festival of Christmas	December 5-7
Last day to withdraw from a second-half of term course	December 6
Last day of classes	December 13
Final examinations	December 16, 17, 19, & 20
Study day	December 18
Commencement	December 20
Residence halls close, noon	December 21

January Session 2025

Residence halls open, noon	January 5
Classes begin	January 6
Last day to add/drop a course	January 9
Martin Luther King Jr. Day (no classes)	January 20
Last day to withdraw from a course	January 23
Last day of classes	January 28

Spring Semester 2025

Classes begin	February 3
Last day to add/drop a first-half or full-term course	February 10
Spring Break	March 10-14
Spring break ends/Classes resume	March 17

Academic Calendar 4

Last day to withdraw from a first-half of term course	March 21
Last day of first half term courses	March 27
First day of second half term courses	March 28
Last day to add/drop a second-half of term course	April 4
Good Friday (no classes)	April 18
Monday after Easter (no classes)	April 21
Registration for Summer and Fall	April 22, 24, 29, & May 1
Last day to withdraw from a full-term course	May 2
Last day to withdraw from a second-half of term course	May 9
Last day of classes	May 16
Final examinations	May 19, 20, 22, & 23
Study day	May 21
Senior Celebration	May 23
Commencement	May 24
Residence halls close for returning students, noon	May 24
Residence halls close for graduating seniors, noon	May 25

Summer School 2025

Term A start date (Term end dates vary by course)	May 27
Term B start date (Term end dates vary by course)	June 18
Term C start date (Term end dates vary by course)	June 18
Term D start date (Term end dates vary by course)	May 27
Term E start date (Term end dates vary by course)	June 18

Bethel University Schools

Bethel University

Bethel University is a leader in Christ-centered higher education with more than 4,500 students from 50 states and 10 countries enrolled in undergraduate, graduate, seminary, and adult education programs. Based in St. Paul, Minnesota, Bethel offers bachelor's and advanced degrees in more than 100 fields. Educationally excellent classroom-based and online programs equip graduates to make exceptional contributions in lifelong service to God and the world.

College of Arts & Sciences

The College of Arts & Sciences (CAS) is Bethel's undergraduate college for more than 2,400 recent high school graduates and transfer students. We take a whole-person approach to education—encouraging each person to achieve academic goals, grow deeper in faith, and engage in a lively community, all with Christ at the center. Distinctives include nearly 100 majors in inviting fields—such as the arts, humanities, business, natural sciences, and social sciences—small class sizes, and a robust study abroad program. Highly credentialed faculty members are dedicated to teaching, integration of faith and learning, and the translation of Christian belief into global service. The college consistently ranks among the top Midwestern universities in many college rankings.

College of Adult & Professional Studies

For more than 30 years, the College of Adult & Professional Studies (CAPS) has helped adults beginning or returning to school to earn their bachelor's or associate's degree. Bethel's academic programs are accessible and supportive for busy students and grounded in ethics and personal development. We offer associate and bachelor's degree-completion programs taught from a Christian worldview in the areas of business and leadership, healthcare and human services, Christian ministries, and special education, along with three certificate programs in addiction studies, alcohol and drug counseling, and senior care leadership. Nearly 500 students are enrolled in the Twin Cities or online.

Bethel Seminary

Founded in 1871, Bethel Seminary is among the 20 largest accredited seminaries in the U.S., with students pursuing coursework on campus in St. Paul, Minnesota, and in robust online degree programs. Offering a doctor of ministry degree (with four concentrations), seven master's degrees, and two certificates, its programs focus on many aspects of ministry preparation, including leadership, marriage and family therapy, and ministry practice. Bethel Seminary is orthodox and evangelical, with roots in pietism and characterized by an irenic spirit. Our passion is to prepare men and women to lead with excellence who will advance the gospel of Jesus Christ among all people in culturally sensitive ways.

Graduate School

The Graduate School provides rigorous graduate education in a supportive Christian environment. Our adult students come from many backgrounds, experience levels, and career fields with the common goal of developing as whole professionals. Specialties include relevant degree programs in business and leadership, health and human services, and education. The school offers nine master's programs, two doctoral programs in educational leadership, and several certificates and licensures. Courses are taught by experienced full-time faculty or working professionals, whose recent experience focuses on principles that students can apply directly to their careers, and class schedules are convenient for working adults.

Center for Access and Integration

The Center for Access and Integration includes Bethel's BUILD program. The BUILD program, an integrated two-year postsecondary residential program for students with intellectual disabilities, provides opportunities for inclusive academic, vocational, residential, spiritual, and social learning experiences. Students who complete the requirements of the BUILD program, including a selected career pathway in Arts and Communication, Business, or Human Services, earn a Certificate in Applied Studies. The program incorporates the skills and education necessary to live more independently, maintain meaningful employment, and value lifelong learning. Students in the BUILD program contribute their own diverse experiences and strengths to the Bethel community.

Bethel University Commitments

Mission

Boldly informed and motivated by the Christian faith, Bethel University educates and energizes men and women for excellence in leadership, scholarship, and service. We prepare graduates to serve in strategic capacities to renew minds, live out biblical truth, transform culture, and advance the gospel.

Vision

Bethel will be the Christ-centered university of choice for this century.

Rooted in faith. Committed to excellence. Bethel will become the leader in Christian higher education by building stronger communities, equipping confident leaders and gracious servants, and preparing passionate world-changers. Through our thoughts, words, and actions, we'll demonstrate what it means for a university to be centered on Jesus Christ.

Values

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.

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 profession 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, independent 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.

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.

Becoming Whole and Holy Persons: A Covenant for Life Together at Bethel 10

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 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.

Within committed Christian communities there are diverse views regarding the use of alcohol. Some choose a testimony of abstinence for a variety of legitimate and honorable reasons while others believe they can use alcohol occasionally and moderately without harm to body, spirit, or relationships with others. As a community that honors Holy Spirit-led diversity among Christians, Bethel University employees and students in the Seminary, Graduate School, and College of Adult & Professional Studies are not prohibited from using alcohol in moderation when away from campus and not engaged in official Bethel University activities. Further, employees are expected not to drink alcohol in the presence of Bethel students. Because of the special community nature of the College of Arts & Sciences and the ages of the majority of its students, students in the College of Arts & Sciences will abstain from the use or possession of alcoholic beverages during the school year or while participating in any Bethel-sponsored activity.¹³

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.¹⁴

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.¹⁵

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; 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 Ephesians 5:18

¹⁴ See the *Bethel University Student Handbook* for information on Bethel's Non-Disciplinary Policy.

College students may find the staff in the Office of Student Life, the Office of Christian Formation and Church Relations, and the Counseling Center to be particularly helpful. Seminary students may find help in the Office of Student Life. In addition, many faculty are willing and able to assist. Employees may find help from peers, the Office of Human Resources, and administrative staff.

¹⁵ Colossians 3:15–17

The Family Educational Rights and Privacy Act (FERPA)

PURPOSE AND APPLICABILITY

The Family Educational Rights and Privacy Act of 1974 (FERPA), as amended ("The Act"), is a federal law enacted to establish procedures for disclosing information contained in student records and to protect the privacy of these records.

The Act applies to currently enrolled students, beginning on the first day of attendance, and former students.

The Act does not apply to individuals who have applied for admission but never attended Bethel University or applicants for admission who are denied enrollment.

Information obtained on a former student subsequent to graduation or termination of enrollment is not covered under The Act (e.g., data accumulated on alumni).

All rights under The Act cease when a person dies; Bethel will decide on a case by case basis what records of deceased students can be released and to whom they will be released.

DEFINITIONS

Eligible Student: A student who has reached 18 years of age or is attending an institution of postsecondary education.

School Official:

- A person employed by Bethel University in an administrative, supervisory, academic or research, or support staff position including security and safety personnel and health services staff.
- A person or company with whom Bethel University has contracted, such as auditors, attorneys, or the National Student Clearinghouse.
- A person serving on the Board of Trustees.
- A student serving on an official committee or assisting another University official in performing his or her tasks.

Education Records: Records that directly relate to a student and are maintained by an educational institution.

Education records may include:

- class lists;
- grade rosters;
- student schedules;
- correspondence; and
- data in an electronic database.

Education records do NOT include:

- records about students made by instructors, professors, and administrators for their own use and not shown to others (sole possession records);
- Office of Safety and Security records maintained solely for law enforcement purposes and kept separate from the education records described above;

The Family Educational Rights and Privacy Act (FERPA) 14

- employment records, except where a currently enrolled student is employed as a result of his or her status as a student;
- records of a physician, psychologist, or other recognized professional made or used only for treatment purposes and available only to persons providing treatment (while not education records, these records are subject to FERPA);
- records that contain only information relating to a person's activities after that person is no longer a student at the University;
- financial information submitted by parents(s)/guardian(s);
- directory information not restricted by the student; and
- confidential letters and recommendations placed in the student's record if the student has waived in writing his or her right to inspect those letters and recommendations. Students may revoke such a waiver at a later time, but the revocation must be in writing and is only effective with respect to actions occurring after the revocation.
- Grades on peer-reviewed papers/assignments before they are collected and recorded by the teacher.

Personally Identifiable Information: All information that is directly related to a student. This information includes both "directory information" and "non-directory information."

Directory Information: Information contained in a record of a student that would not generally be considered harmful or an invasion of privacy if disclosed. At Bethel University, directory information includes:

- student's name;
- address;
- telephone listing;
- electronic mail address;
- photograph or digital image;
- date and place of birth;
- major field of study;
- grade level (freshman, sophomore, etc.);
- enrollment status (e.g.; undergraduate or graduate; full time or part time);
- dates of attendance;
- participation in officially recognized activities and sports;
- weight and height of members of athletic teams;
- degrees, honors, and awards received;
- most recent educational agency or institution attended; and
- Bethel Community Account username, which is used by the student for purposes of accessing or communicating in electronic systems, since this identifier cannot be used to gain access to education records except when used in conjunction with one or more factors that authenticate the user's identity, such as a personal identification number (PIN), password, or other factor known or possessed only by the authorized user.

Non-Directory Information: Any personally identifiable student information that is not directory information. At Bethel University, non-directory information includes, but is not limited to, a student's Social Security number or student identification (ID) number.

Legitimate Educational Interest: A school official's need to review an education record in order to fulfill his or her professional responsibility. A school official has legitimate educational interest if the official needs to review educational records in order to fulfill his or her professional responsibilities to Bethel University.

STUDENT RIGHTS

Currently enrolled and former students have the right to:

- inspect and review information contained in education records within 45 days after Bethel receives a request for access;
- request the amendment of the student's education records that a student believes is inaccurate, misleading, or otherwise in violation of the student's privacy or other rights;
- consent to disclosure, subject to certain exceptions specified in The Act, of personally identifiable information from education records; and
- file a complaint with the Department of Education concerning an alleged failure by Bethel to comply with The Act.

Procedure for Inspecting Records

Students must request permission in writing to inspect their records and must present that request to the Registrar's Office, who will coordinate the inspection of records.

- The records will be made available to the student for inspection not more than 45 days following the receipt of the request.
- A Bethel employee must be present while the student inspects his or her records.
- Students may request copies of available records when failure to provide a copy of the record would effectively prevent the student from inspecting and reviewing the record. Students may be required to pay a per copy fee. A copy may be refused, but only if, in doing so, the institution does not limit the student's right to inspect and review that record.

A student may inspect records of disclosure, which will be kept by the office in which the record is maintained unless such inspection is prohibited under the terms of a court order or lawfully issued subpoena.

Procedure for Requesting the Amendment of Records

With the exception of grades or disciplinary actions, if a student believes that information in his or her record is inaccurate, misleading, or otherwise in violation of his or her privacy rights, he or she may request that a change in the record be made.

- Such a request must be in writing, clearly identify the part of the record the student wants changed, and submit the request to the appropriate University official in whose office the record in question is located.
- If Bethel decides not to amend the record as requested, Bethel will notify the student in writing that he or she may make a written request to that official for a hearing to contest the record.
- A hearing will be conducted within 30 days of the written request (or as soon thereafter as is practical) with the student having an opportunity to present all relevant evidence. The hearing panel will consist of the University official in charge of the record in question and two other officials selected by the official in charge.
- The student will be notified within two weeks of the hearing (or as soon thereafter as is practical) as to the decision of the official or hearing panel. The decision of the hearing panel is final.
- If the student disagrees with the action taken by the hearing panel, he or she may place a statement in his or her educational record giving the reasons for disagreeing with the decision.

NOTE: An appeal of grades or disciplinary action should follow the processes outlined in the student handbook and/or academic catalog.

Procedure to Request Withholding of Directory Information

The Family Educational Rights and Privacy Act (FERPA) 16

- In the fall term, students will be notified about the opportunity to request that Directory Information be withheld.
- Students may request to withhold disclosure of Directory Information by completing a form online or in the Registrar's Office.
- Bethel will continue to honor a student's last request with regard to the disclosure or non-disclosure of Directory Information made while the student was in attendance at Bethel. Bethel cannot assume the responsibility to contact the student for subsequent permission to release Directory Information. Regardless of the effect upon the student, Bethel assumes no liability for honoring an instruction to restrict/withhold Directory Information.
- A student who is no longer enrolled cannot request that Directory Information be withheld. A student who is no longer enrolled can rescind their request to withhold Directory Information.

PARENT RIGHTS

The Act generally does not guarantee any rights to parents or guardians of students who are attending post-secondary institutions.

However, at Bethel's discretion, The Act does allow Bethel to provide parents with access to their student's educational records provided the parents claim the student as a dependent on their federal income tax return. If a student is claimed as a dependent for federal income tax purposes by either parent (regardless of the parents' current marital status), then, at Bethel's discretion, Bethel may disclose information in the student's education records without the student's consent.

As a matter of general practice, Bethel does not release student education records to parents of dependent students without the student's written authorization. Bethel does provide all students with the ability to give parents and other third parties online proxy access to their education records.

OFFICES THAT MAINTAIN RECORDS

For information about records, contact the Registrar's office, or the office in which the records are maintained. Types of records maintained by Bethel University are as follows:

- Office of the Registrar—Personal information data, course registration, records of all courses taken including grades, documents related to degree completion requirements, and other related information.
- Office of Financial Aid—Financial aid applications, records of financial aid awarded, and related documents.
- Business Office—Records related to charges, payments, emergency contact information, and Perkins loans for educational services rendered by Bethel.
- Office of Career Development and Calling—Placement data completed by the student, resumés, information on courses taken toward degree, letters of recommendation from faculty and/or employers
- Academic Departments—Student applications to program, copies of grades, notes from student interviews, faculty recommendations, department recommendations, records of field experiences, clinicals, practica, internships, and other related documents.
- Health Services—Student medical forms, copies of athletic physicals, and records of medical services rendered to the student through the university.
- Office of Student Life—Photograph, ID card information, evaluations from residence hall personnel, interest test results, housing applications, Covenant for Life Together and miscellaneous correspondence, disciplinary information.
- University Relations—Personal data on alumni of the university
- University Advancement—records of financial giving.

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

DISCLOSURE OF EDUCATION RECORDS

Conditions Under Which Directory Information May Be Released

Directory Information may be released at the discretion of University officials without the written permission of the student, unless the student has requested that directory information be withheld. If the student has requested that directory information be withheld, the information will not be released without their written consent.

Conditions Under Which Directory and Non-Directory Information May Be Released

Directory and Non-Directory Information may be released without the written consent of the student to:

- Authorized representatives of the Comptroller General of the United States.
- The Attorney General of the United States.
- The Secretary of Education.
- State or local educational authorities, for audit and evaluation of federal- and state-supported education programs, or for the enforcement of or compliance with federal legal requirements that related to those programs.
- Bethel University personnel or other school officials who have a legitimate educational interest in the records. This category includes a person or organization retained to be an agent for, or under contract with, Bethel University, such as financial auditors, attorneys, or National Student Clearinghouse. It also includes personnel from other institutions with whom Bethel University has made consortium arrangements. Disclosure to a school official having a legitimate educational interest does not constitute institutional authorization to transmit, share, or disclose any or all information received to a third party.
- Officials of another school in which the student seeks to enroll.
- Persons or organizations involving financial aid in order to determine the student's eligibility for financial aid; to determine the amount of financial aid; to determine conditions to be imposed regarding financial aid; and to enforce conditions of financial aid.
- State and local officials as allowed by state statutes concerning the juvenile justice system.
- Organizations that are conducting studies to develop, validate, and administer predictive tests; administer student aid programs; and improve instruction. Those organizations cannot redisclose personally identifiable information of students.
- Accrediting agencies carrying out their accrediting functions.
- Parents of dependent students (that is, students who are claimed as dependents on their parents'/guardians' most recent federal tax return). However, as a matter of general practice, Bethel does not release student education records to parents of dependent students without the student's written authorization. Instead, Bethel provides all students with the ability to give parents and other third parties online proxy access to their education records.
- To comply with a judicial order or lawfully issued subpoena. The University will notify the student when such a request occurs without the student's knowledge unless prohibited by law.
- Appropriate persons in a health or safety emergency. If Bethel determines that there is an articulable and significant threat to the health or safety of a student or other individuals, it may disclose information from educational records to any person whose knowledge of the information is necessary to protect the health or safety of the student or others, provided that Bethel will only exercise this authority for the duration of the emergency.

The University can release information related to a student contained in law enforcement records so long as such records are created by a law enforcement unit, created for a law enforcement purpose,

The Family Educational Rights and Privacy Act (FERPA) 18

and maintained by a law enforcement unit in a manner that segregates them from records maintained by other components of the University.

Conditions Under Which Education Records Will Not Be Released

Copies will not be provided of education records (e.g., transcripts) that were issued by other educational institutions unless authorized by the Registrar.

UNAUTHORIZED DISCLOSURE OF PERSONALLY IDENTIFIABLE INFORMATION FROM THE EDUCATION RECORD OF ANY STUDENT IS PROHIBITED.

Criteria Used to Determine the Legitimate Educational Interest of School Officials

The following criteria shall be taken into account in determining whether a school official has a legitimate educational interest in the disclosure of student education records:

- The official must seek the information within the context of the responsibilities that he or she has been assigned;
- The information sought must be used within the context of official University business and not for purposes extraneous to the official's area of responsibility or to the University;
- The information requested must be relevant and necessary to the accomplishment of some task or to making some determination within the scope of University employment;
- The task must be determined to be consistent with the purposes for which the data are maintained. Requests related to institutional research and studies are subject to this criterion;

OTHER FACULTY AND STAFF RESPONSIBILITIES

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

Bethel University will maintain a record of requests for access to and disclosure of a student's Non-Directory Information to anyone other than:

- the student;
- University officials with a legitimate educational interest;
- a party with the student's written consent; and
- a party seeking or receiving the records as directed by a court order or lawfully issued subpoena that directs the University to refrain from disclosing the contents of the subpoena or the information furnished in response to the subpoena.

ENFORCEMENT

Enforcement of this Act is the responsibility of the Student Privacy Policy Office, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, D.C. 20202-8520.

Further information concerning The Family Educational Rights and Privacy Act is available at www.ed.gov (<https://www.ed.gov/>).

College of Arts & Sciences Philosophy of Higher Education

The College of Arts & Sciences (<https://www.bethel.edu/undergrad/>) at Bethel University (<https://www.bethel.edu/>) 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 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 in the way we work together at our calling and vocations. We rejoice in discovering the character and glory of our Creator as we explore creation. As people who bear God's image, we pursue the truth of God's revelation. That revelation comes to us in the person of Christ, the wonder and beauty of creation, and the Spirit-directed words of scripture. We are called to live with hope, faith, love, mercy, humility, and justice, which put truth into practice. We believe Christian faith is relevant to every area of life—the integrative principle for the entire curriculum—and a foundational area of study for all of us as learners.

We pursue not only knowledge—through breadth and depth of insight—but wisdom.

We pursue not only skill—through competence and expertise—but service.

We pursue not only clarity—through speaking, writing, and listening—but community.

We pursue not only achievement—through excellence and maturity—but flourishing.

With this vision of the Christian liberal arts, we equip graduates for lives of active, professional doing and vibrant, thriving being. Each class, program, theme, field, and major cultivates the harmony of skills, insights, and motivations that empower our graduates to live abundantly—whole in soul and doing good.

Emphasizing Bethel's commitment to integrated, Christian learning, our approach to General Education ensures students are equipped to do the following:

- Emphasize the interdependence of knowledge
- Seek wholeness
- Understand diversity and commonality
- Interact with other cultures; and
- Explore the past and look to the future

General Education

The primary goal of the General Education curriculum is to integrate the Christian faith with all areas of learning and to serve 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 impact of human choices on the generations that follow.

To enhance such integration the General Education curriculum has been organized in five themes, each of which includes a variety of courses designed to develop specific knowledge, skills, and values. The five themes of First Year Foundations; Artistic Experience; Biblical Foundations; Math, Science, and Technology; and Cultural Intelligence are complemented by an off-campus cross-cultural experience and a capstone course in Contemporary Christian Issues.

The five General Education themes 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. First-year students at Bethel choose between two options to start their general education:

- **The Modular Approach** (<https://www.bethel.edu/undergrad/academics/general-education/first-year-options/modular/>) to general education, consists of 3 courses, each covering different areas of study.
 - Creative Arts (GES 125; ICA)
 - Western Culture (GES 130; CWC)
 - Inquiry Writing Seminar (GES 160; IQ)
- **The Humanities Approach** is an integrated sequence of 3 courses that explores how great writers and artists of western civilization have tried to answer life’s deepest questions concerning God, the self, and society.

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 any time during their course of study at Bethel. A limited number of courses can be used to meet both General Education requirements and the requirements for a major or minor. (See list of requirements for each major or minor in the appropriate departmental section of the catalog.)

Course and category names listed below, as well as their descriptions, reflect the requirements of the General Education curriculum. General Education category names are followed by category designator letters (e.g., D, M, P). 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:

A	Artistic Experience
D	Laboratory Science
G	Comparative Systems

K	Science, Technology, and Society
L	Contemporary Western Life and Thought
M	Mathematics
P	Contemporary Christian Issues
S	Second Language
U	World Cultures
Z	Cross-cultural Experience

General Education Policies

1. All General Education courses must be approved through the normal curriculum review and approval process. No petitions to substitute a non-General Education Bethel course for a General Education requirement will be approved.
2. Each course that carries a General Education tag contains components and requirements unique to that tag. These components and requirements are integral and necessary parts of the course. Students must satisfy all course components and requirements, even if they have previously completed another course containing that tag, or are taking another course with that tag in the same semester. For example, a student taking more than one "Z" tagged course must complete all "Z" tag components and requirements in each course.
3. General Education courses, with the exception of Cross-cultural Experience (Z) courses, may not be taken as a Directed Study. General Education courses may be taken as a Course by Arrangement only when they meet all requirements in the policy on Course by Arrangement.
4. Students may not register for more than one Contemporary Christian Issues (P) course per semester. Students who have completed one Contemporary Christian Issues (P) course must obtain the consent of the instructor to take an additional course in this category.

General Education Requirements and Prerequisites

Print Version: General Education Requirements by Entry Standing: 2024 and forward (pdf) (<https://www.bethel.edu/undergrad/academic-affairs/files/general-education-2024-2025-transfer-chart.pdf>)

Course or Category	Category Designato	Course #	Prerequisite	Credits	Terms Offered
First Year Foundations:					
Introduction to Wellbeing ¹	-	GES 140	None	2	F, J, S
Introduction to the Creative Arts	-	GES 125	None	4	F, J, S
Christianity and Western Culture ¹	-	GES 130	None	4	F, J, S
Inquiry Writing Seminar	-	GES 160	None	4	F, S
Artistic Experience:					
Artistic Experience	A	1xx-3xx	None	0-4	F, J, S
Biblical Foundations:					
Introduction to the Bible	-	BIB 101	None	4	F, J, S
Christian Theology	-	THE 201	BIB 101, Sophomore standing	4	F, J, S
Math, Science, and Technology:					
Laboratory Science	D	1xx-2xx	None	4	F, J, S
Mathematics	M	1xx-2xx	None (some by placement exam)	4	F, J, S
Science, Technology, and Society	K	3xx	D; M	4	F, J, S
Cultural Intelligence:					
Second Language	S	102	Placement exam or credit for 101	4	F, J, S
Cross-cultural Experience	Z	1xx-4xx	None	0-4	F, J, S
Contemporary Western Life and Thought	L	2xx	GES 130 ² and GES 160 ² or GES 149 ²	4	F, J, S
World Cultures	U	2xx	GES 130 ² or GES 149 ²	4	F, J, S
Comparative Systems	G	3xx	(GES 130 ² ; GES 160 ² or GES 149 ²); L-course or U-course	4	F, J, S
Senior Capstone:					
Contemporary Christian Issues ¹	P	4xx	(GES 160 or GES 149); THE 201; L-course, G-course, or U-course; Senior standing	2	F, J, S
Integrated Track (Humanities):					
Humanities I: Greco-Roman through Middle Ages	-	GES 145	None	4	F
Humanities II: Renaissance and Reformation	-	GES 147	GES 145	4	J

Humanities III: Enlightenment and Modernity	-	GES 149	GES 147	4	S
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¹ P course, GES 140 *Introduction to Wellbeing*, and GES 130 *Christianity and Western Culture* requirements cannot be fulfilled through transfer courses.

² May be taken concurrently.

Letters (e.g., A, D) indicate a General Education category from which students select a course of their choice.

Themes of the General Education Curriculum

First Year Foundations Theme

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 Wellbeing (GES 140)

Explores many of the dimensions that influence wellbeing including Spiritual, Cognitive, Emotional, Relational, and Meaning. Examines the dynamic interconnection between the dimensions. Students integrate foundational knowledge, experiences, and strategies to become successful whole and holy individuals not only in college, but also throughout adult life.

TRANSFER INFORMATION:

Must be taken at Bethel. May not be transferred to Bethel.

Introduction to the Creative Arts (GES 125)

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

TRANSFER INFORMATION:

Common Necessary Features: (*minimum content & skills required for transfer courses*)

- Study of one or more art form(s)
- Skills in evaluating art work
- Vocabulary to communicate about art

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

Christianity and Western Culture (GES 130)

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.

TRANSFER INFORMATION:

Must be taken at Bethel. May not be transferred to Bethel.

Inquiry Writing Seminar (GES 160)

While exploring a specific topic of interest, students develop and understand the meaning and value of a liberal arts education in the Christian tradition. The seminar promotes the establishment of community among students and with faculty, and broader connections in the university. The seminar provides students with instruction and practice in writing as well as in preparing and delivering oral presentations. Supplemental assignments and activities outside the traditional classroom are required.

TRANSFER INFORMATION:

Common Necessary Features

- Academic research and writing
- Practice of the writing process (i.e., planning, drafting, revision, editing)
- Research paper, including correct documentation, of seven or more pages of text
- Planning and delivery of at least two oral presentations, one of which must be delivered in front of an audience

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

NOTE: GES 160 Inquiry Writing Seminar includes both speaking and writing components. GES 160 can be fulfilled by transferring in courses that fulfill the writing component (GES161 Inquiry: Writing) and the speaking component (GES162 Inquiry: Speaking). Students may also transfer a course that meets the writing component (GES161 Inquiry: Writing) and take one of the following Speaking courses: COM 110 Basic Communication, COM 324 Professional and Technical Communication, COM 386 Advanced Public Speaking, or COM 387 Speaking in Ministry Contexts at Bethel.

Artistic Experience Theme

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 course may be taken before, during, or after Introduction to the Creative Arts or Western Humanity in Christian Perspective I-II.

TRANSFER INFORMATION:

Students have the option of fulfilling the requirement by participating in an artistic experience that is not at a college or university. This can only be done with prior approval of the General Education point person responsible for the "A" category.

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- Hands on artistic experience (dance, theatre, art, music)
- Planned, supervised, and evaluated by a faculty member
- Critique of art form

Transfer Course Level: 100-300 level

Transfer Course Credits: 0-4

Biblical Foundations Theme

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

Introduction to the Bible (BIB 101)

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

TRANSFER INFORMATION:

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- God's people from Abraham and Sarah through the New Testament church
- God as seen in and communicated through various cultures and types of writing in the Old and New Testament
- Introduction to the historical context of the Bible
- Introduction to the theoretical context of the Bible

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

Residency Requirement: At least one course in the Biblical Foundations Theme must be taken at Bethel

Christian Theology (THE 201)

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.

TRANSFER INFORMATION:

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- Study the essentials of Christian Theology
- Theology is taught primarily from a systematic perspective
- Unity and diversity of theological beliefs

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

Residency Requirement: At least one course in the Biblical Foundations Theme must be taken at Bethel

Math, Science, and Technology Theme

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.

Laboratory 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.

TRANSFER INFORMATION:

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- Concepts and process of modern science focused on one discipline
- Relate discipline to modern life
- Apply methods in investigating, quantifying, and reasoning from scientific evidence
- Lab required

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

Mathematics - Category of Courses (M)

Introduces foundational mathematical concepts; 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 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.

TRANSFER INFORMATION:

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- Proportional thinking (ratios, percentages, decimals graphs and tables) that illustrate single variable problems and data analysis
- Application of math knowledge and concepts to real world problems from more than one discipline
- Development of problem solving skills

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

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 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.

TRANSFER INFORMATION:

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- Links science and technology with contemporary society
- Focuses on technological issues
- At least 1/3 of course addresses scientific and technological context
- At least 1/3 of course integrates science with contemporary issues
- Applies and reinforces at least one mathematical concept/skill
- Gives attention to historical perspective

Transfer Course Level: 200 or higher

Transfer Course Credits: 3 or more

Cultural Intelligence Theme

Students explore and engage diverse cultures using a variety of methods and approaches. They build skills to communicate in a foreign language, develop a deeper understanding of modern American society and other cultures, and analyze systems based upon these diverse cultures.

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 an ancient language (Biblical Greek), students are able to use the language to engage the ideas of that culture. Documented proficiency in languages not offered at Bethel also serves 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.

TRANSFER INFORMATION:

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- Students use language for communication
- Learn aspects of culture(s)
- Understand grammatical structures at basic level (grammar is not the only focus)
- Equivalent of 2nd semester of first language at the college level (e.g. Elementary, Introductory, Beginning ...II/2) or a language course at a higher level

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

Students may fulfill Bethel's language requirement by:

1. Completing the second semester of the first year of a (beginning or introductory) college-level language class or higher with a passing grade at Bethel University (e.g., SPA 102S *Introductory Spanish II*).
2. Completing the second semester of a first-year (introductory or beginning) college-level language class or higher with a grade of a 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. Heritage and native speakers of languages other than English may fulfill the requirement by passing a language proficiency assessment interview with the Director of Language Placement. As an alternative, students may petition to have the S-tag waived with no credits added to their transcript.

Cross-cultural Experience - Category of Courses (Z)

Students experience an off-campus person-to-person (ideally one-on-one) intercultural engagement of at least 25 hours with a specific cultural group that supports the development of awareness of the student's own culture and the culture with which the student is interacting. Students develop an increased understanding of the complexity and tension cultural difference has on interaction with others. The Z-tag experience places students in an experiential learning environment (domestic or abroad) that includes faculty guided pre-experience preparation and post-experience processing.

The Cross-cultural Experience requirement can be met by passing an approved cross-cultural course indicated by a Z in the course number, completing a semester abroad while a student at Bethel, or completing an approved non-credit experience when undertaken in conjunction with Bethel's pre and post cross-cultural experience courses (GES 101 and GES 102Z). Registration in GES 101 is required the semester before the experience. Approval of the experience takes place in GES 101. However, students may consult with the professors teaching GES 101 prior to registering for the class to discuss an experience they are considering proposing for this option. Registration in GES 102Z is required the semester after the experience. These courses are described in the General Information section of this catalog under *General Studies*. Courses with a Z in their number can be found in the course listings of many different academic departments.

For more information Z-tagged courses see the *Non-Z Companion Course* section of the Course Policies, Grades, & Concerns section (p. 37) of this catalog.

TRANSFER INFORMATION:

Common Necessary Features: (*minimum content & skills required for transfer courses*)

- Must be part of a credit bearing course. Regular transfer policies apply (e.g. grade of C or better, cannot be S/U)
- Minimum 25 hours person to person (preferably one on one) with someone from another culture
- Develops awareness of one's own culture
- Identification of values, beliefs, behaviors of a culture different from one's own
- Pre-experience preparation
- Guided reflection
- Method for understanding another culture
- Post-experience processing

Additional transfer information:

- Students may use a semester abroad program completed at another accredited college or university.
- Students who have completed YWAM's Discipleship Training School may use this experience to fulfill the Cross-cultural Experience (Z) requirement.
- Students may not use a previous experience, such as a missions trip, that was not taken for credit at another accredited college or university for the Z-tag requirement.
- Students may transfer in a college course they have taken that includes the elements above, passed with a grade of C or better, and for which they have received college credit.

- Military Veterans may fulfill the Cross-cultural Experience (Z) course requirement using their overseas assignment and successfully completing GES 102Z: *Post-intercultural Engagement Processing*.

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.

TRANSFER INFORMATION:

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- Contemporary American Life (last 200 years) (No more than 1/3 of course may be about historical periods prior to the 19th Century)
- Study of influence of last 200 years on life today
- Core emphasis of the course is the unique nature of the American experience

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

World Cultures - Category of Courses (U)

Focuses primarily on one historical or contemporary cultural group whose ways of thinking and living are substantially different than the dominant cultures of Europe and North America. Generally this is an Asian, African, Latin American, Middle Eastern, or Native American culture. The culture's religious/philosophical traditions, economic and political structures, and 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.

TRANSFER INFORMATION:

Common Necessary Features: *(minimum content & skills required for transfer courses)*

- Study of one cultural group
- Cultural group, such as Asian, African, Latin American, Middle Eastern, or Native American, different from the dominant culture in US or Europe
- Religious/philosophical, economic/political and sociocultural frameworks
- Writings by and about the lives of people of the culture

Transfer Course Level: 100 or higher

Transfer Course Credits: 3 or more

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 must 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.

TRANSFER INFORMATION:

Common Necessary Features: (*minimum content & skills required for transfer courses*)

- Compares and contrasts societies or compares culture and subculture
- Writing demonstrating synthesis of perspectives

Transfer Course Level: 200 or higher

Transfer Course Credits: 3 or more

Modular and Integrated Options for First- and Second-Year Courses

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 themes.

Option 1: Modular

Courses offered in the Modular option are described in the *Academic Programs* section, under General Studies (p. 198). GES 125 and GES 130 are taught by an interdisciplinary team of faculty, introducing 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. GES 160 *Inquiry Writing Seminar* is designed to introduce students to researching and writing in the college setting.

Option 2: The Humanities Program (Integrated)

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 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 Twin Cities galleries, theatres, and concert halls. Because the courses in this option build on each other chronologically and thematically, the three courses in this program must be taken in sequence. Students who complete the Humanities Program fulfill the requirements of the three courses in Option 1. Courses in the Humanities Program are described in the *Academic Programs* section of this catalog under *General Studies* (GES 145, GES 147, and GES 149).

TRANSFER INFORMATION:

Because of the integrated nature of the Humanities Program, these courses may not be transferred to Bethel without the permission of the Humanities Program Director.

Senior Capstone

Contemporary Christian Issues - Category of Courses (P)

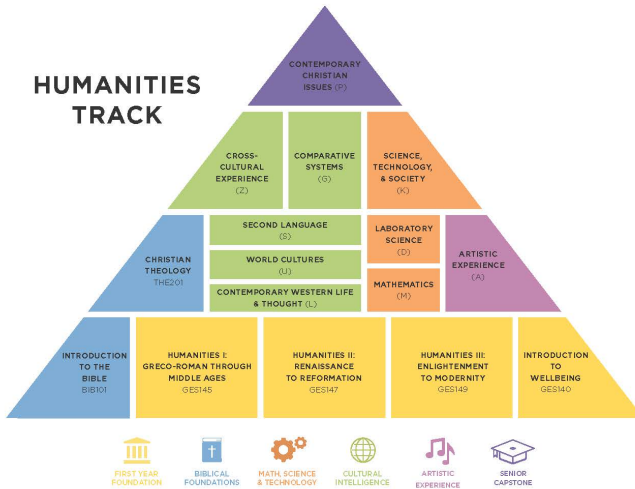
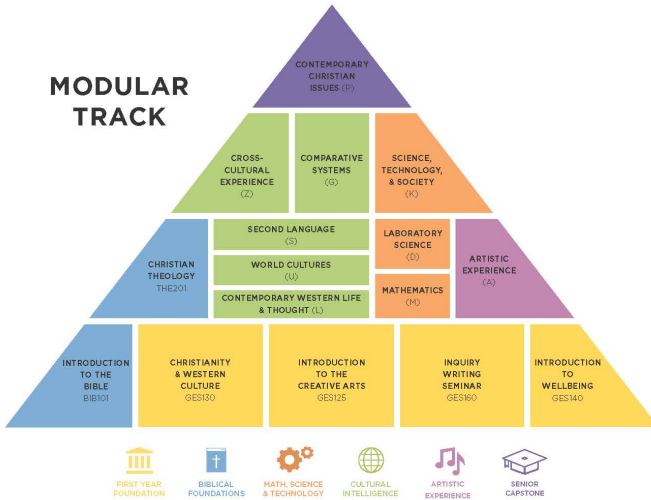
Explores selected topics that challenge Christians to make personal and collective choices in light of their Christian values, education, and personal experience. Emphasizes deeper levels of self-

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.

TRANSFER INFORMATION:

Must be taken at Bethel. May not be transferred to Bethel.

General Education Track Options



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. As members of this community, students are also responsible for adhering to the principles and spirit of academic honesty. There are several ways in which these principles and spirit can be violated:

Academic Honesty Violation 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 assistance, materials, or study aids not authorized and/or specifically prohibited by the instructor.
2. **Plagiarism** - Using the ideas (e.g., concepts, theories), data, language, media, or images of another source (e.g., human or artificial intelligence) and representing it as one's own original work, without specific and proper acknowledgement.
3. **Facilitating Academic Dishonesty** - Knowingly helping or attempting to help others violate any provision of this academic dishonesty policy.
4. **Multiple submission** - Submitting, without prior permission, any work previously or concurrently submitted to fulfill another academic requirement.
5. **Fabrication** - Deliberately submitting false, fraudulent, or altered information in any academic work.
6. **Unfair Advantage** - Exercising or attempting to exercise unauthorized or unfair academic advantage over others or impeding the academic work of others.
7. **Misrepresentation of academic records** - Misrepresenting, tampering with, or attempting to tamper with any portion of a student's academic record.

Addressing Academic Dishonesty

While violating honesty standards is primarily an academic offense addressed by faculty and other academic officers, it is also a behavior inconsistent with Bethel's Covenant for Life Together, which states that "We will not tolerate plagiarism and other forms of academic dishonesty." As a result, academic dishonesty is dealt with by two separate and parallel processes, involving the Office of Academic Affairs (<https://www.bethel.edu/undergrad/academic-affairs/>) and the Office of Student Life (<https://www.bethel.edu/undergrad/student-life/>).

Academic Penalties for Academic Dishonesty

When academic dishonesty occurs, penalties are given at the discretion of the faculty member, as described in the course syllabus. Such penalties can range from failure on an assignment to denial of credit (U or F) in a course.

Appeals of Academic Penalties

Students charged with a violation have the right to appeal any disciplinary action. The appeals process is as follows:

1. As soon as possible following the disciplinary action 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 chair or program director. (If the instructor is the department chair/program director, the student should contact the Dean of Academic Programs.)
2. If after talking with the instructor and the department chair/program director, the matter is not resolved, the student may appeal in writing to the Associate Provost of the College of Arts and

Sciences. This written appeal must be received within three weeks of the decision or incident in question.

Institutional Intervention in Addressing Habitual Academic Dishonesty

Because Bethel is committed to developing “whole and holy persons,” repeated or habitual violations of academic honesty are causes for concern and, potentially, disciplinary action. Because Bethel’s Covenant for Life Together urges us to “nurture one another” and “to elevate kingdom values over personal agendas,” the Associate Provost of the College of Arts & Sciences will be notified of all academic honesty violations. The faculty member reporting the academic honesty violation provides the student’s name, describes the violation, identifies the date of the violation, and describes the response by the faculty member. The Office of Academic Affairs (<https://www.bethel.edu/undergrad/academic-affairs/>) keeps a record of instances of academic dishonesty so that inappropriate behavior can then be reported to, and addressed by, the Office of Student Life (<https://www.bethel.edu/undergrad/student-life/>). While each offense is handled individually, the policy addresses the cumulative effect of all violations. This procedure involves the following:

First Violation

Written notification will be sent from the Associate Provost of the College of Arts and Sciences to the student indicating receipt of this violation and the procedure that would be followed in the event of future occurrences. No further disciplinary action is taken beyond the penalty as assigned by the faculty member.

Second Violation

When a student has committed a second violation of the Academic Honesty policy, the Associate Provost of the College of Arts and Sciences will refer the student to the Vice President of Student Experience, who will meet with the student to clarify the next steps. The Associate Vice President of Student Life will then make written recommendations to the student and the student’s academic advisor (or a faculty mentor chosen by the student) in order to address the student’s pattern of behavior. This letter will also describe the consequences of additional violations. These recommendations may include, but not be limited to:

- Meeting (or meetings) with the advisor or mentor
- Meeting with the instructor(s) involved
- Appointments with the Academic Enrichment and Support Center
- Appointments with a counselor

The advisor or mentor will monitor the student’s progress in acting on the recommendations and submit a report to the Dean of Student Life at the end of the academic year.

Third and Subsequent Violations

If a third (or subsequent) violation occurs, the Vice President of Student Experience will review the case and, in consultation with the Associate Provost of the College of Arts and Sciences, take appropriate action, which can include, but is not limited to, probation, suspension, or dismissal.

Appeals of Disciplinary Action

Students charged with habitual academic dishonesty have the right to appeal any disciplinary action. Appeals should be submitted in writing within three weeks of the decision to the Vice President of Student Experience.

The policies and procedures that address habitual academic dishonesty are not intended to be punitive but to be positively developmental in helping students deal with a pattern of behavior that is harmful to both the individual and the community. Keeping a record of all violations is a way to identify and help students who have made an unfortunate habit of academic dishonesty, for whatever reason. Without this record, individual faculty members and the Office of Student Life will not be able to identify a pattern of offenses and will be unable to take the necessary, restorative action.

Academic Progress

Grade Point Average

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: *AU, I, IN, S, U, W, WZ*.

The GPA is calculated only on the basis of credits attempted at Bethel. In order to receive a degree, a student must have earned at least a 2.00 cumulative 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. See requirements for majors in this catalog.

When a student who has not yet received a degree from Bethel University's College of Arts & Sciences repeats a course, both grades for the course will remain on the transcript if the original and the repeated course were both taken at Bethel. The most recent grade will replace the previous course grade in the student's GPA. If the repeated course was taken at a different institution, the Bethel course will be excluded from the student's GPA but remain on the student's transcript. Transfer credit is not figured into a student's GPA.

Provisionally Admitted Students

Students whose past academic performance falls below Bethel's requirements for admission may be admitted on a provisional basis. These students must attain a cumulative GPA of 2.0 or better at the end of their first year at Bethel in order to continue at Bethel. To support these students, Bethel requires all provisionally admitted students to participate in the Spark program. This program is taken during the **first** Fall semester of the student's enrollment at Bethel; it includes GES 109 *Orientation to College Studies* (for first-time college students) and GES 119 *Introduction to Bethel* (for transfer students), and GES 130 *Christianity and Western Culture*, group tutoring sessions for GES 130 *Christianity and Western Culture*, and a specialized academic advisor who will monitor students' progress.

Academic Progress, Probation, and Dismissal

Academic standing is determined upon initial submission of final grades for fall and spring terms. In addition, academic standing is re-assessed after students have received a change of grade or have repeated a course. Students who have completed summer credits may petition the Registrar's Office (<https://www.bethel.edu/registrar/>) to have their academic standing re-assessed.

Good Academic Standing: Students are considered to be in good academic standing based on the following credits earned, (including transfer credits) and minimum cumulative GPA requirements:

- 0-16 credits: Students must have a minimum cumulative GPA of 1.70
- 17-32 credits: Students must have a minimum cumulative GPA of 1.80
- 33-48 credits: Students must have a minimum cumulative GPA of 1.90
- 49+ credits: Students must have a minimum cumulative GPA of 2.00

Academic Probation Level 1: Students are placed on academic probation level 1 when their cumulative GPA falls below the required minimum as listed above.

Academic Probation Level 2: Students are placed on academic probation level 2 when their cumulative GPA remains below the required minimums listed above for the second consecutive semester.

Academic Dismissal: The following students may be subject to academic dismissal:

- Regularly Admitted Students are placed on academic dismissal when their GPA remains below the required minimums listed above for the third consecutive semester.

- Provisionally Admitted Students are placed on academic dismissal when their cumulative GPA is below 1.00 at the end of their first semester at Bethel University
- Academic dismissal of any student is the decision of the Bethel University Registrar.

Appeal of Academic Dismissal: Students who have been dismissed may appeal to the Academic Appeals Committee. Instructions for the appeals process are provided by the Registrar when students are notified they have been dismissed.

NOTE for Active Military Duty Students: Class sessions students miss due to performance of active military service are counted as excused absences and will not be used in any way to adversely impact the students' grades. Any student who selects this option is not, however, automatically excused from completing assignments due during the period the student is performing active military service. A letter grade or a grade of satisfactory will be awarded only if, in the opinion of the faculty member teaching the course, the student has completed sufficient work and has demonstrated sufficient progress toward meeting course requirements to justify the grade. Payment during an enrollment period in which continuation is elected as a result of call to duty may be delayed until course completion at no additional cost.

Academic Appeals

Appeals of Academic Policies for a Course, Major, or Minor

Appeals related to decisions of the Registrar in applying academic policies to a course or to requirements for a major or a minor should be made as soon as possible following the decision in question.

Appeals of Grades

Appeals related to grades and decisions of the registrar in applying academic policies to a course or requirements for a major or a minor should be made as soon as possible following the decision 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 chair. (If the instructor is the department chair, the student should contact the dean of academic programs.) If after consulting with the instructor and department chair the matter is not resolved, the student may appeal to the Dean of Academic Programs by submitting the CAS Academic Petition form (<https://www.bethel.edu/registrar/forms/other-petition/>). This appeal must be made within three weeks of the departmental decision.

Appeals of General Education Requirements

Appeals of a decision not to accept a transfer course to fulfill a General Education requirement are reviewed by the Dean of Academic Programs. Appeals should be submitted by completing the CAS Academic Petition form (<https://www.bethel.edu/registrar/forms/other-petition/>).

Appeals of Graduation Requirements and Other Academic Policies

Appeals related to graduation requirements and decisions of the Registrar applying policies that are not related to a particular course or to a major or minor should be made as soon as possible after the Registrar's decision. Students should use the form (<https://www.bethel.edu/registrar/forms/cas-grad-application/>) found on the registrar's website and submit to the Associate Provost of the College of Arts and Sciences.

Classification of Students

The official classification of students (class standing) 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
Sophomore	at least 30 credits
Junior	at least 60 credits
Senior	at least 90 credits

Course Policies, Grades & Concerns

Accommodations Policy

Disability-related accommodations are determined by the Office of Accessibility Resources and Services (<https://www.bethel.edu/disability/>) (OARS). Students are responsible to contact OARS. Once OARS determines that accommodations are to be made, it will notify the student and the instructor via e-mail. Students choosing to use the disability-related accommodations must contact the instructor no later than five business days before accommodations are needed. The instructor will provide approved accommodations, but the student is required to initiate the process for the accommodations.

Adding a Course

During any term (full term, half term, January), students may add courses prior to the deadline listed in the academic calendar published in the academic catalog. Though not required, it is recommended that students consult their advisor before adding a course. Course adds are official on the date students make the change online or written notice is received by the Office of the Registrar (<https://www.bethel.edu/registrar/>).

Attending Classes

Bethel University places a high value on faculty-student interactions and active student participation in the classroom. Students are responsible for all required work in each of their courses. Instructors determine the attendance policy for their courses, as described in the course syllabus. Students must assume full responsibility for class attendance and for work missed because of absence. Since class sessions facilitate not only individual learning but also group interaction, absences can become a serious problem for both the individual and for the group. Students should communicate with their instructor in a timely fashion about their absences and the possibility of completing missing work.

Students are expected to participate in a course in accordance with the course's method of instruction (e.g., face-to-face, online asynchronous, or online synchronous). For example, students enrolled in face-to-face classes are expected to attend in person rather than online, whether synchronously or asynchronously.

Auditing a Course

Students wishing to audit a course must secure the consent of the instructor. A student may change to or from audit status with the instructor's approval only during the first four weeks of the fall and spring semester and two weeks in January term. Auditing at Bethel is defined as observation in the classroom setting. Auditors are required to meet the attendance requirements set by the instructor. Participation beyond attendance in class activities is at the instructor's discretion. The grade *AU* is given when a student audits a course. Students who do not meet the attendance requirements will be graded *WZ*. PSEO students are not eligible to audit courses.

Course by Arrangement

In special circumstances (e.g., a course has not been offered the terms indicated in the catalog or on academic plans) students may request to take a course by arrangement. To be eligible to take a course by arrangement, a student must have a cumulative GPA of 3.25 or higher and have junior or senior standing. Only courses that are requirements for a major or minor can be taken by arrangement. Students may take only one course by arrangement while completing their undergraduate degree in the College of Arts and Sciences.

A completed Course by Arrangement form must be submitted to the Office of the Registrar (<https://www.bethel.edu/registrar/>) by the add/drop day of the term in which the course is taken. The form must be approved by the Faculty Supervisor, Academic Advisor, the Department Chair of the department offering the course, and by the Registrar. If the course by arrangement is at an international site, the student must complete required activities in the Office of International Studies and Off Campus Programs (<https://www.bethel.edu/international-studies/>) and obtain approval from the Associate Dean of International and Off Campus Programs. The Associate Dean of International and Off Campus Program's signature on the course by arrangement form indicates approval. For an international summer or fall course by arrangement, the deadline date for the submission of the completed form to the Office of the Registrar is March 1. For an international January session or spring course by arrangement, the deadline date for the submission of the completed form to the Office of the Registrar is November 1.

Course Concerns

Concerns about course content and procedures should be addressed first to the instructor and then to the department chair (unless the instructor is also the department chair). If the issue has not been resolved by the department, the student may contact the Dean of Academic Programs by submitting the CAS Academic Petition form (<https://www.bethel.edu/registrar/forms/other-petition/>).

Course Time Conflict

A course time conflict is a partial overlap of two academic courses. The partial overlap needs to be less than half the scheduled time of either course. If the time conflict is greater than 50% for either course, students must pursue a Course by Arrangement. Both courses must be requirements in the student's major(s) or minor(s) or for the Honors Program (<https://www.bethel.edu/undergrad/academics/honors/>), with the exception of music ensembles and performance groups. Both instructors must sign off on the *course time conflict* form. This form needs to be returned to the Registrar's Office (<https://www.bethel.edu/registrar/>) by the add/drop date for the term.

Disenrollment from a Course

Students who do not meet requirements may be administratively dropped from future course(s) in a program at the request of the department chair.

Dropping a Course

There are two ways for a student to drop a course.

Administrative Drop

Any student with no documented academic activity in a course (according to the course requirements) by the semester's drop date may be dropped from the course at the request or approval of the course instructor by email to cas-registrar@bethel.edu.

Student Initiated Drop

During any term (full term, half term, January), students may drop courses prior to the deadline listed in the academic calendar published in the academic catalog. Though not required, it is recommended that students consult their advisor before dropping a course. Dropped courses do not appear on the

transcript. Course drops are official on the date students make the change online or written notice is received by the Office of the Registrar (<https://www.bethel.edu/registrar/>).

Cross Enrollment

Cross enrollment provides an opportunity for students enrolled in one Bethel school (CAS, CAPS, Seminary, or GS) to take specific courses in another Bethel school as a guest student. Students must consult their academic advisors in CAS or student success advisors in CAPS, Seminary, or GS before undertaking the cross enrollment process. Requests are subject to approval by advisors, department chairs or program directors, and deans. Limitations may include prerequisites, available space, program restrictions, and the number of courses at the host school in which a student may enroll.

Grades and Grading

The scale below is used to define letter grades as well as the grade points assigned. The scores or points required in a course to earn a particular letter grade are determined by the instructor. 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 *Academic Appeals* section of this catalog):

Grade	Definition	Grade Points
A	Exceptional	4.0
A-		3.7
B+		3.3
B	Good	3.0
B-		2.7
C+		2.3
C	Satisfactory	2.0
C-		1.7
D+		1.3
D	Minimally Acceptable	1.0
F	Failing	0.0
I	Incomplete (courses with letter grades)	
IN	Incomplete (courses graded S/U)	
S	Satisfactory	
U	Unsatisfactory	
W	Withdrawal	
WZ	Withdrawal from an audited course	
AU	Audit	

Grades for Music Components

For the sake of consistency among instructors, the grading of private lessons, performance groups, and artistic experiences (in all departments) will be graded as follows: credits will be assigned letter grades, non-credits are assigned grades on an S/U basis.

Grade Replacement

When a student repeats a course the grade and credits for the earlier course are excluded from the student's GPA. If the repeated course is taken at Bethel, the new grade and credits are included in the GPA. If the repeated course is taken at a different institution, the new grade and credits are not included in the GPA. Grades for all courses remain on the student's transcript.

Incompletes

A student who has attended class regularly and submitted assignments as required, but is unable to complete all course requirements by the end of the term due to causes beyond the student's control,

may petition for a grade of Incomplete after the deadline to withdraw from a course. The student must first consult with the instructor to develop a plan to complete the course requirements; all remaining work should be done largely through the independent efforts of the student. The instructor will then review and approve the Petition for Incomplete (<https://www.bethel.edu/registrar/registration/undergrad/files/incomplete.pdf>), which describes the work that must be completed, as well as the grade that should be assigned if the deadline set by the instructor is not met. This deadline can be no later than the end of the eighth week of classes of the next semester. The instructor enters the incomplete when entering course grades: an I is entered for courses graded A/F; an IN is entered for courses graded S/U. If the student completes all requirements specified on the petition before the deadline, the newly-earned grade replaces the grade of I or IN. If the student does not complete all the requirements, then the grade on the petition replace the I or IN. Copies of the petition should be kept by the instructor, the student, and the Registrar's Office.

NOTE for Active Military Duty Students: Students who accept a grade of Incomplete in a course must complete the course within six months of the date they are released from active duty. Payment during an enrollment period in which an incomplete is elected as a result of call to duty may be delayed until course completion at no additional cost.

Extension of Incompletes

The deadline for completing an Incomplete can be extended by mutual agreement of the instructor and student, as well as approval by the Dean of Academic Programs. Both the instructor and the student should submit the form found on the Registrar's Office website (<https://www.bethel.edu/registrar/forms/>).

Prerequisites

Many courses have prerequisites in order to ensure that students have the appropriate academic preparation and experience for the course. Course prerequisites are listed with each course description. In some instances, the prerequisite may be waived by consent of the instructor.

Registration Changes

Full Term Course

Students may not add courses after the 8th calendar day of the term without the consent of the registrar. Courses dropped after the 8th day and through the end of the 12th week will be graded "W." No full term course may be dropped after the 12th week of class.

Half Term Course

Students may not add a new course after the 8th calendar day of the start of the half-term without the consent of the registrar. Courses dropped after the first and through the end of the 6th week of a half-term class will be graded "W." No half term course may be dropped after the 6th week of classes. Course registrations, drops and adds are official on the date written notice is received by the Office of the Registrar (<https://www.bethel.edu/registrar/>).

S/U Grading

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 in this catalog. The *S* grade indicates at least *D* level achievement.

Transferring S/U Courses to Bethel

With the exception of satisfactory or passing grades awarded during the COVID-19 pandemic of Spring and Summer of 2020, satisfactory or passing grades must be defined as equivalent to a C or higher in order to receive transfer credit. For credits taken during Spring and Summer 2020 only, all Satisfactory

or Passing grades awarded will be awarded transfer credit, even if the other institution does not define satisfactory or passing grades as equivalent to a C or higher.

Withdrawing from a Course

Students may withdraw from a full-term course after the drop deadline and before the end of the 12th week of class. A grade of “W” is assigned for course withdrawals. Course withdrawals are official on the date students withdraw from the course online or written notice is received by the Office of the Registrar (<https://www.bethel.edu/registrar/>).

Students may withdraw from a half-term course after the drop deadline and before the end of the 6th week of class. A grade of “W” is assigned for course withdrawals. Course withdrawals are official on the date students withdraw from the course online or written notice is received by the Office of the Registrar (<https://www.bethel.edu/registrar/>).

Students may withdraw from a January session course or other course less than five weeks in length after the drop deadline and before the end of the 17th day of the term. A grade of “W” is assigned for course withdrawals. Course withdrawals are official on the date students withdraw from the course online or written notice is received by the Office of the Registrar (<https://www.bethel.edu/registrar/>).

Note: Special Education Courses

With the exception of January session, the add, drop, and withdrawal deadlines follow the College of Adult and Professional Studies calendar (<https://catalog.bethel.edu/adult-professional-studies/academic-calendar/>) published in the catalog.

Note: Active Military Duty Students

If the student drops all courses during the Add/Drop period, he/she will have the net tuition bill reduced to zero (additional gift aid from Bethel will be added to the school bill so the total gift aid from Bethel covers 100% of tuition and fees for the dropped course[s]). Non-Bethel sources of financial aid are subject to federal and state refund policies and may be used to cover non-tuition educational expenses (e.g., room and board).

If the student withdraws after the end of the Add/Drop period, a grade of “W” and a notation that the student was called to active duty will be recorded on the transcript and other pertinent academic records. Students who choose to withdraw may be readmitted and re-enrolled, without penalty or redetermination of admission eligibility, within two years following release from the state or federal active military service.

Withdrawal (Academic Administrative)

Any student with no documented activity in a course (according to the course requirements) for a period of three weeks during fall or spring or one week during January session, where the last date of documented activity is prior to the course withdrawal deadline date, may be administratively withdrawn from the course at the request or approval of the course instructor by email to cas-registrar@bethel.edu.

Science Lecture/Lab Registration

In select science courses, students are required to register for specific lecture and lab sections. When this is the case, lectures and labs will have the same section numbers (e.g., Lecture: Section 1 and Lab: Section 1A, 1B, etc.). To ensure correct course placement, students must register for the lecture and lab sections simultaneously. For specific instructions on registering for these types of courses, students should reach out to the Office of the Registrar (<https://www.bethel.edu/registrar/pdfs/science-lecture-lab.pdf>).

Non-Z Companion Course

With approval of an instructor, students may fulfill the Cross-cultural (Z) Experience requirement through an independent cross-cultural experience connected to a non-Z companion course. This may be done during the academic year or during summer school. In addition to registering for the non-Z companion course students must also register for, and successfully complete, two half-credit courses designed to help them gain the most benefit from the experience as well as future cross-cultural experiences (GES 101 and GES 102Z). (See the chart below for terms when courses should be taken.)

A non-Z companion class is an already existing course that has not been approved as a Z course, but which includes some cross-cultural interaction as part of a required or optional assignment. The faculty member teaching the course must approve a student's request to use the course as a non-Z companion class, but will not be responsible for overseeing or evaluating Z-related activities and assignments beyond any assignments and activities already required for the class.

The chart below illustrates when to enroll in GES 101 and GES 102Z based on when a student participates in an independent cross-cultural experience in conjunction with a non-Z companion course.

Experience	GES 101	GES 102Z
Summer	Preceding spring	Fall after
Fall	Fall or preceding spring	Spring after
January Session	Preceding fall	Spring after
Spring	Spring or preceding fall	Fall after

Faculty Conduct

Any concerns about faculty conduct unrelated to academic content and course grades should be directed to the Dean of Faculty by submitting the appropriate form found on the Registrar's Office webpage (<https://www.bethel.edu/registrar/forms/>).

Graduation Requirements and Course Program of Study

For the associate's degree, a student's program of study includes the graduation requirements for an associate's degree.

For the bachelor's degree, a student's program of study includes the graduation requirements for a bachelor's degree (listed below) as well as additional majors, minors, endorsements, and certificates declared by the student.

Students are required to meet the graduation requirements of the printed version (or *.pdf version) of the catalog that is published for the academic year in which they enter Bethel. If new majors or minors are added to the curriculum after the publication of the printed version of the catalog, currently enrolled students may choose to enroll in a newly added major or minor. They must meet the requirements of that major or minor as it is first published.

Each student is assigned an academic advisor to assist with academic and career planning. Students may also work with the Office of Career Development and Calling (<https://www.bethel.edu/career-development/>) to explore career options. Students are responsible to ensure that they have fulfilled graduation requirements and should use their degree evaluation to do so.

Course Program of Study (CPoS)

Course Program of Study (CPoS) refers to the federal regulation that mandates that financial aid can be awarded only to coursework that fulfills requirements in students document degree plans; for example,

the requirements of the General Education program, a major, a minor, an endorsement, etc. Because 122 credits need to be earned for an undergraduate bachelor's degree, elective courses needed to reach a total of 122 may also count.

For more information on CPoS and financial aid eligibility, please see <https://www.bethel.edu/undergrad/financial-aid/eligibility/cpos> (<https://www.bethel.edu/undergrad/financial-aid/eligibility/cpos/>).

Appealing CPoS Ineligibility

If you believe that coursework not considered eligible for financial aid should be accepted, you may appeal that decision by completing the form found on the Registrar's Office webpage (<https://www.bethel.edu/registrar/forms/>).

Majors

All students choose a major from an academic department or multidisciplinary program. They may also choose to develop an individualized major designed to meet their needs and interests. Majors at Bethel range between 33-91 semester credit hours. It is possible to complete a second or third major by using elective credits or increasing the total number of credits taken. At least half of the credits used to meet the requirements of a major must be taken at Bethel. A 2.25 GPA in the major is required unless otherwise noted in the Academic Programs section of this catalog.

Double Majors

The overlapping of requirements **in any combination** of majors chosen by a student is permitted as long as the student meets the requirements listed for each major. All completed programs [e.g., Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Music (B.Mus.), Bachelor of Music Education (B.Mus.Ed.), Bachelor of Fine Arts (B.F.A.)] will be indicated on the transcript, regardless of overlapping course requirements and without the addition of extra required hours. The senior seminar/capstone experience in both majors is required of students unless the student receives written approval from one of the departments to waive that seminar/capstone experience. Students should have an official advisor in one of the two majors, but they should regularly check with an advisor in the second major to make sure they are on track with their second major.

Minors

Though not required, many students choose to complete one or more minors in order to pursue areas of interest or to complement their major. Students may choose from the minors in this catalog and may not create an individualized minor. Minors range between 18-24 semester credit hours. Students may choose to take additional credits toward the minor or use their elective credits. Students may not earn a minor in a program in which they will earn or have earned a major except where specifically noted in the Academic Program section of this catalog. At least nine (9) credits of any minor must be completed at Bethel.

Program Overlap Policy

Students may not earn a minor that has the identical name as their major. Some minors and secondary majors are not allowed with particular majors. Consult the major/minor requirements listed in this catalog for further information.

Endorsements

Though not required, students may choose to complete one or more endorsements in order to pursue areas of interest, or to complement their major. Students may choose from the endorsements in this catalog and may not create an individualized endorsement. Endorsements range between 6-17 semester credit hours. Endorsements may have additional non-credit requirements. Students

may choose to take additional credits toward the endorsement or use their elective credits. Upon completion of a degree, an endorsement is listed as a comment on the academic transcript.

Certificates

Though not required, students may choose to complete a certificate in order to pursue a specific area of interest or to complement their major. Students may choose from the certificates in this catalog and may not create an individualized certificate. Certificates range between 18-34 semester credit hours. Certificates may have additional non-credit requirements. Students may choose to take additional credits toward the certificate or use their elective credits. Upon completion of a degree, a certificate is listed as a comment on the academic transcript.

General Requirements for a Baccalaureate Degree

Degrees Offered: Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Science Nursing (B.S.N.), Bachelor of Music (B.Mus.), Bachelor of Music Education (B.Mus.Ed.), Bachelor of Fine Arts (B.F.A.) *NOTE:* Degree Works identifies each degree separately, and related majors, minors, and endorsements are listed in the evaluation for that degree.

After students declare majors, minors, certificates, and endorsements, Degree Works identifies each degree separately.

1. A cumulative overall grade point average (GPA) of 2.00. The cumulative GPA includes only courses taken at Bethel.
2. A 2.25 GPA in one's major, unless otherwise noted. The major GPA includes all courses required in the major and all electives taken for the major at Bethel.
3. A minimum of 122 semester credit hours.
4. The following must be taken in programs that meet Bethel residency requirements or at Bethel (see Office of the Registrar (<https://www.bethel.edu/registrar/>) or Office of International and Off-Campus Programs (<https://www.bethel.edu/off-campus-programs/>)):
 - at least 28 of the last 35 credits,
 - at least half of the credits used to meet the requirements of the major,
 - at least 30 of the 122 credits needed to graduate,
 - GES 130 *Christianity and Western Culture* or GES 145 through GES 149 in the Humanities Program (must be taken at Bethel; cannot be brought in through any other programs),
 - a Contemporary Christian Issues (P) course (must be taken at Bethel; cannot be brought in through any other programs).
 - GES 140 *Introduction to Wellbeing* must be taken at Bethel except by students who are exempt from this requirement because of their entry level.
5. A minimum of four (4) semester credit hours in General Education Biblical Foundations courses.
6. A minimum of 36 credits at the upper-division level (300 and 400).
7. All General Education required courses and experiences listed on the General Education Entry Standing chart (p. 60) that are indicated by a "Yes" for their entry level.
8. Completion of January Session courses as indicated on the General Education Entry/Transfer Level chart (p. 60) on the following pages (minimum of two [2] credits, maximum of five [5] credits per January).
9. Completion of the requirements of a major (listed by department in this catalog).
10. Demonstration of basic competencies in:
 - *Writing:* One course is designated in each major, in addition to the required GES 160 *Inquiry Seminar* course and a writing emphasis in Contemporary Western Life and Thought (L) course, Comparative Systems (G) course, and Contemporary Christian Issues (P) course.

- *Speaking*: One upper-division course is designated in each major, in addition to required speaking assignments in the GES 160 *Inquiry Seminar* course, the Humanities Program, and Contemporary Christian Issues (P) 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. Students are encouraged to bring their laptops with them to campus.
11. In order for multiple majors and minors to be considered as one degree program, they must be taken simultaneously and completed within one academic year of each other. Bethel University will award a student's degree when a student's degree program requirements have been completed, whether or not the student applies to graduate. Students typically maintain eligibility for financial aid while completing their degree program provided that their total credits do not exceed 150% of the credits required for their degree program. Exceptions will be reviewed on a case-by-case basis.
12. Completion of any departmental and institutional assessment activities.
13. Upon completion of program, participation in commencement ceremonies is expected.

Additional Baccalaureate Degree

An additional Bethel University Baccalaureate Degree [e.g., Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Science Nursing (B.S.N.), Bachelor of Music (B.Mus.), Bachelor of Music Education (B.Mus.Ed.), Bachelor of Fine Arts (B.F.A.)] may be awarded, upon request, when a student has met all requirements of the additional degree and earned, in residence, a minimum of twenty-seven (27) unduplicated semester credits from the department in which the additional degree is earned. Unduplicated semester credits are those that are not used to meet the requirements of any other Bethel University Baccalaureate Degree. Transfer students who hold a Baccalaureate Degree from another institution may earn a Bethel University Baccalaureate Degree if they meet all the requirements of the degree program including the general education requirement and the residency requirements.

Commencement Ceremony Participation

Students who have not completed all required courses for graduation may participate in the commencement ceremony provided that they have no more than a total of seven (7) credits remaining. For May commencement, students must plan to complete their courses by the end of the fall term of the next academic year. For December commencement, courses must be completed by the end of the spring term of the same academic year.

Policies regarding residency requirements, as well as any departmental residency requirements, apply.

General Requirements for an Associate of Arts Degree

The associate of arts degree contains a balanced program of liberal arts education without orientation to a particular major or minor. Requirements for the degree include 61 semester credit hours and the designated competencies as listed below. These requirements can usually be met in two years of full-time study. General Education Entry/Transfer levels (p. 60) apply to students seeking an associate of arts degree.

General Education Courses: 34-38 credits

Introduction to Wellbeing (GES 140)

Inquiry Writing Seminar (GES 160) or Western Humanity in Christian Perspective I-III (GES 145, GES 147, and GES 149)

Introduction to the Bible (BIB 101)

Christianity & Western Culture (GES 130) **or** Western Humanity in Christian Perspective I-III (GES 145, GES 147, and GES 149)

Artistic Experience (A)

Mathematics course (M)

Laboratory Science course (D)

Introduction to the Creative Arts (GES 125) **or** Western Humanity in Christian Perspective I-III (GES 145, GES 147, and GES 149)

World Cultures course (U)

Contemporary Western Life and Thought course (L)

Students entering Bethel with credits may be exempted from some of the General Education requirements (p. 20) based on their General Education Entry Standing (p. 60). See the Transfer of Credits section (p. 58) of this catalog.

Arts, Humanities, and Science: 5 credits

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

Electives: 23-27 credits as needed to complete the required 61 credits for the Associate of Arts degree.

Additional Requirements

1. A cumulative GPA of at least 2.00.
2. At least 28 of the last 35 credits must be taken at Bethel.
3. One January Session course.
4. Taken at Bethel:
 - a. A minimum of 4 semester credit hours in General Education Biblical Foundations courses.
 - b. GES 130 Christianity and Western Culture or GES 145 through GES 149 in the Humanities Program.
5. Upon completion of program, participation in commencement ceremonies is expected.
6. Participation in commencement ceremonies is permitted for students who have not completed all graduation requirements provided they have no more than seven (7) credits by the end of the fall term of the next academic year. For December commencement, courses must be completed by the end of the spring term of the same academic year. Policies regarding residency for particular courses apply.

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 hardship(s), or academic hardship (in the form of having three examinations on one day) must be approved by the faculty member. Faculty approval must be obtained at least two weeks prior to the date of the exam in cases where the hardship is known in advance. Exams will not be rescheduled merely for the economy and/or convenience of the student.

Final examinations are usually given in First half of term, January, and Summer school courses, but no special days are specifically set aside for this purpose.

Bethel's policy on final exams is that every regular academic course must include a final exam or other final appropriate academic exercise within the final exam schedule. In lieu of a final exam that covers the entire course, the following have been declared to be appropriate academic exercises: a paper due at the time of the regularly scheduled final exam period; a unit test similar to others given during the term which covers only a part of the course; or a required class meeting or academic exercise during the regularly scheduled final exam period. Final exams should not be advanced into the last week of classes because doing so negatively affects student performance in other classes.

January Session

January Session courses take place during three weeks in January and sometimes differ from those taught in the fall and spring semesters. Some are offered at locations away from the St. Paul campus. Most January session courses are listed in this catalog. Description of January session courses not listed are provided as part of the January session and spring schedule. Students are strongly encouraged to take a January session course each of their first three years, so as to retain maximum flexibility for completing all requirements in the senior year. See General Education Entry Standing level (p. 60) for the number of January sessions required.

Students are allowed to add/drop a class on or before the third January session class day. They will not be allowed to enroll in a different January session class if they drop a class after the third January session class day.

January Session Waiver

If a student wishes to waive the fulfillment of all of the January Sessions required by his/her entry standing level, he/she may do so by submitting the form found on the Registrar's Office webpage (<https://www.bethel.edu/registrar/forms/>).

Summer Session

By taking courses in Bethel's Summer Session (<https://www.bethel.edu/undergrad/academics/summer-school/>), students may be able to take a lighter load during the academic year, make room for a study abroad program, or perhaps even graduate earlier. Courses are offered for many different majors and most General Education requirements can be met by taking summer session courses. Bethel conducts six summer sessions. The first, fourth, and full summer sessions start shortly after spring commencement. The second, third, and fifth summer sessions start mid-June. The end dates vary by course. Summer session registration starts in April. Most courses are offered online.

Honors

Bachelor's Degree Honors

Honors at graduation for bachelor's degrees are awarded on the basis of a student's cumulative grade point average (GPA) and are indicated on the transcript at the time the degree is awarded. The GPA used for the award of honors is truncated (not rounded) at the hundredths.

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

For commencement ceremonies, decisions concerning honors cords and honors annotations in the program are based on the GPA at the end of the previous fall term for May commencement ceremonies and on the GPA at the end of the previous summer term for December commencement ceremonies.

Dean's List Honors

Students receive Dean's List honors for each semester in which they earn at least 12 semester credit hours and earn a term grade point average (GPA) 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.

Pietas Honors Program

The Pietas Honors Program (<https://www.bethel.edu/undergrad/academics/honors/>) 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 Pietas Honors (p. 218) section of this catalog for specifics on this program. While students do not need to participate in the Pietas Honors Program to receive GPA honors at graduation, program graduates will receive a medallion and participation will be noted on their transcripts.

Individualized Study

Directed Studies

Juniors and seniors with a cumulative grade point average (GPA) of 3.25 or higher may request to take a directed study in their major or minor for academic credit. Students must design the directed study in cooperation with their academic advisor and a faculty member who will supervise the study. A directed study may not be used to meet General Education requirements (p. 22). An application for directed study must be submitted to the registrar no later than one week before the beginning of the semester in which it is to take place. The policies below apply to all Directed Studies:

1. The proposed study must embody significant academic purpose and content, equal in quality to a regular course, yet be of such a nature that it cannot be obtained within an existing course. The amount and distribution of work should be similar to that of a regularly offered course of comparable credit.
2. It may be used only for advanced course credit in a student's major or minor field.
3. The student must be a junior or above and have demonstrated in departmental course work that he or she has the capability and background to study independently. The academic advisor's signature certifies this ability.
4. The student must have a cumulative GPA of 3.25 or higher.
5. A student may take only one Directed Study per term and no more than a total of two courses toward graduation. A faculty supervisor may direct no more than two Directed Studies per term.

The procedures to be followed in obtaining approval of a directed study proposal are:

1. The student obtains application form and instructions from the Office of the Registrar (<https://www.bethel.edu/registrar/>).
2. The student meets with the faculty member who will supervise the study, and they jointly prepare an agreement, listing the objectives of the study, its relationship to the student's overall program,

the specific content and procedures of the study, the definition of student and faculty roles, and the product or response to be made by the student on which his or her learning will be evaluated. The number and frequency of regular contacts between the student and supervisor will be indicated. Students doing research off-campus will contact their supervisor at regular intervals.

3. This agreement is then approved by the student's academic advisor, if different from the supervisor of the study.
4. The agreement must also be approved by the chair of the department offering the study. The student then submits the completed and signed application to the Office of the Registrar no later than one week before the beginning of the term in which the directed study will take place, with the exception of international directed studies.
5. If the directed study is at an international site, the student must complete required activities in the Office of International and Off Campus Programs (<https://www.bethel.edu/international-studies/>) and obtain approval from the Associate Dean of International and Off-Campus Programs. The Associate Dean of International and Off Campus Programs's signature on the directed study, or course by arrangement form, indicates approval. For an international January or spring directed study, the deadline for submission of the completed form is November 1. For a fall international directed study, the deadline for submission of the completed form is March 1.
6. The approval of the Registrar validates the agreement.
7. Should the student wish to appeal a rejection by the Registrar, the proposed agreement will be reviewed by the Committee for Academic Affairs (CAA).

Upon fulfilling the agreement, the student receives credit on the transcript for the course as titled. A copy of the agreement will be placed in his or her permanent file. Directed Studies are graded on an A/F basis, not S/U.

Individualized Major

Students may choose to develop an individualized major designed to meet their needs and interests. The program must be developed in consultation with an academic advisor and must be submitted and approved by the end of the first semester of students' junior year. Students wishing to consider such a possibility must discuss it with their academic advisor. Any such programs must meet all of the following conditions:

1. The proposal must contain a block of 48-60 credits chosen according to a coherent organizing principle based on the student's needs and interests. That principle must differ significantly from those underlying standard majors. The proposal must make a clear, explicit, and convincing case for the theoretical and/or practical interconnectedness between the departmental disciplines. It is recommended that proposals also specify why, on balance, it is worth sacrificing more depth in each discipline in order to gain the particular individualized perspective proposed.
2. When two disciplines or fields are included, the proposal must show why the need met by the proposed individualized major cannot be met by any other single major, double major (two stand-alone majors), or multi-disciplinary major.
3. The proposal must contain junior level (300) courses from at least two standard disciplines or fields. In at least one of these disciplines or fields, work at the senior level (400) must be selected.
4. The proposed major must show how all other requirements for majors are met (e.g., the speaking, writing, and computing competencies). The requirements of the major must include the required upper division hours.
5. The proposal must include a culminating experience at the senior level (400), focused upon the organizing principles of the major and in the form of a senior seminar, internship, or directed study.
6. All general education provisions of the curriculum must be observed. No more than three (3) courses may be used to fulfill both a major and a General Education requirement (p. 22).

The following procedures shall be observed in preparing and obtaining approval for Individualized Majors:

1. The student obtains application forms and instructions in the Office of the Registrar (<https://www.bethel.edu/registrar/>) or its website.
2. The student and the advisor shall jointly prepare an application, expressing the organizing principle and listing the courses that will make up the major. Students should have an advisor from each department from which they are taking ten (10) or more credits toward their individualized major program.
3. If ten (10) or more credits are taken from any single department, the chair of that department must approve the proposal.
4. A review committee composed of three faculty members, the Registrar, and the Dean of Academic Programs will evaluate the proposal. The Dean of Academic Programs is responsible for forming this committee and calling the meeting. (If the proposal follows a previously approved program, the Registrar will approve it and place it on file.)
5. The student submits the application with two additional copies to the Office of the Registrar. All proposals must be submitted and approved by the end of the first regular semester of the student's junior year. When the proposal has been approved, one copy will be filed in the Office of the Registrar, one copy will be sent the student, and one to the advisor.
6. Programs that are rejected may be, upon appeal, reviewed by the Committee for Academic Affairs (CAA).
7. An approved program may subsequently be amended with the approval of the student's advisor(s) and the Registrar.

Internships

An academic internship is a learning/practicing experience, preferably taken in an off-campus setting, in which students explore and/or apply a body of knowledge and skill in a structured non-classroom setting. It can take place in many settings and may make use of almost every knowledge and skill area in Bethel's curriculum. Credit is available through some departments to qualified students in their majors. Inquiries should be directed to department chairs. The internship may be part-time or full-time and may be salaried or non-salaried. Routine jobs or work that repeats previous experience do not qualify for an academic-credit internship. The work must provide an opportunity to meet academic/educational objectives.

An acceptable internship is one that expects students to explore career aspirations and make a deliberate application of their academic knowledge and skills; to continue to learn as stimulated by the problems and issues encountered; to grow in their personal maturity and confidence in one's abilities; and to develop empathy with, and understanding of, persons, groups, and settings typically not encountered on campus. An internship must embody significant academic purpose and content, equal in quality to a regular course, yet be of such a nature that it cannot be obtained within the existing course structure.

Students may register for an internship in either a course-based internship through an academic department or as an individual internship. An internship is conducted under joint supervision of a Bethel faculty member and an on-site supervisor. Both parties agree on the specific objectives by the end of the first 1/3 of the term of the internship. Both parties stay in touch during the internship, if required, and at the end of the internship experience. There should be a plan for on-going processing of the experience (e.g., log, weekly meetings, etc.). If the internship is completed as an individual internship, it is expected that the Bethel faculty supervisor will interact at least bi-weekly with the student.

If the internship is to be completed in the context of a course, students must register for the internship course through the standard registration process. To remain enrolled in the internship class, all required paperwork is due to the faculty member no later than:

- October 1 for fall term internships
- The January session add/drop deadline for January session internships
- March 1 for spring term internships
- June 15 for summer term internships

A faculty member may set an earlier deadline in her/his course.

If the internship is at an international site, students must complete required activities in the Office of International and Off Campus Programs (<https://www.bethel.edu/international-studies/>) and obtain approval from the Associate Dean of International/Off Campus Programs. The signature of the Associate Dean of International/Off Campus Program on the internship form indicates approval.

Application for Internship due in the Office of the Registrar (<https://www.bethel.edu/registrar/>):

	Local	International
Fall Internship	October 1	March 1
January Internship	Add/Drop Date	November 1
Spring Internship	March 1	November 1
Summer Internship	June 15	March 1

Requirements for students:

- Declared major or minor in the department of the internship being proposed;
- Junior or senior standing.
- Minimum of 10 credit hours completed in the department;
- Minimum cumulative GPA of 2.00 and a 2.25 GPA in the major (individual departments may require a higher GPA)
- Meet additional criteria as established by each department.

Requirements for course:

- An internship may earn from 1 to 4 credits.
- Each internship credit requires a minimum of 45 on site hours at the internship site. (e.g., 3 credits = 135 hours, 4 credits = 180 hours)
- A maximum of 9 credits in internships may be taken within the 122 credits required for graduation.
- Each separate internship must have goals and objectives different than the prior ones taken for credit.
- Internships are graded S/U (see Grading).
- These policies identify minimum university-wide requirements. Departments may choose to supplement with additional requirements.

Leaving the University Prior to Graduation

Withdrawal

Students who decide to discontinue their studies prior to completing their program must officially withdraw. To officially withdraw from Bethel University, a student should complete the appropriate forms available from the Office of Student Life (<https://www.bethel.edu/undergrad/student-life/>), or call the office at 651.638.6300 and schedule an appointment for an exit interview. Failure to notify the institution of an intent to withdraw may result in loss of financial aid and housing deposit.

Stop Out

On occasion, it may become necessary for a student to leave school for a semester for a variety of reasons. Students who find it necessary to discontinue their studies for only one semester, with the intent to return to Bethel after that semester, may be eligible for a stop-out status rather than officially withdrawing from the university. A student interested in receiving a stop-out status should inquire about eligibility with a dean in the Office of Student Life (<https://www.bethel.edu/undergrad/student-life/>). To be granted a stop-out, a student must be in good standing academically and financially, must have been at Bethel for at least one full semester, and must plan to be away no more than one full semester.

A stop-out status allows a student to return to Bethel after one semester away without reapplying for admission. Students also retain their class-level status for housing sign-up and academic registration. The stop-out procedure may only be utilized once by students during the course of their academic studies, unless special approval is granted by the university.

Readmission

Students who **have officially** withdrawn from the university must apply to be readmitted if more than one semester has passed since their last enrollment. Requirements for students who re-enter Bethel within two years of the time of last enrollment are based on the catalog of the year they originally entered Bethel.

If more than two years have passed since they last enrolled in a course at Bethel, they must meet the requirements of the catalog for the year they re-enter. However, students who have three or fewer courses to complete may choose to stay on the most recent catalog under which they were enrolled or move to the current catalog. Students who are in programs that lead to licensure are responsible for meeting current licensure standards.

Students who are approved to re-enroll after academic dismissal will return on an academic standing equivalent to the second term of academic probation. Students must achieve the minimum cumulative GPA required for good standing at the end of their first term of re-enrollment. The one exception is for re-enrolled students who, in their first term of re-enrollment, achieve the minimum required term GPA for good standing. They will not be dismissed even if their cumulative GPA at the end of that term is below good standing. In this case the student's academic standing remains equivalent to that of a second term of academic probation for no more than one additional term.

Students who **have not officially** withdrawn from the university and have not enrolled for courses for two consecutive semesters are automatically withdrawn from Bethel and listed as inactive. Students wishing to re-enroll will need to go through the re-enrollment process.

Military and Veteran Information

At Bethel, we honor those who are currently serving and have previously served our country. We are committed to helping military-affiliated students succeed academically and utilize their military-benefits efficiently as they pursue meaningful life and work.

Unique Course Policies Applicable to Active Military Duty Students:

Academic Progress

Class sessions students miss due to performance of active military service are counted as excused absences and will not be used in any way to adversely impact the students' grades. Any student who selects this option is not, however, automatically excused from completing assignments due during the period the student is performing active military service. A letter grade or a grade of pass will be awarded only if, in the opinion of the faculty member teaching the course, the student has completed sufficient work and has demonstrated sufficient progress toward meeting course requirements to

justify the grade. Payment during an enrollment period in which continuation is elected as a result of call to duty may be delayed until course completion at no additional cost.

Incompletes

Students who accept a grade of incomplete in a course must complete the course within six months of the date they are released from active duty. Payment during an enrollment period in which an incomplete is elected as a result of call to duty may be delayed until course completion at no additional cost.

Withdrawing from a Course

If the student drops all courses during the add/drop period he/she will have their net tuition bill reduced to zero (additional gift aid from Bethel will be added to the school bill so the total gift aid from Bethel covers 100% of tuition and fees for the dropped course[s]). Non-Bethel sources of financial aid are subject to federal and state refund policies and may be used to cover non-tuition educational expenses (e.g., room and board).

If the student withdraws after the end of the add/drop period, a grade of "W" and a notation that the student was called to active duty will be recorded on the transcript and other pertinent academic records. Students who choose to withdraw may be readmitted and re-enrolled, without penalty or redetermination of admission eligibility, within two years following release from the state or federal active military service.

Late Arrival to Campus due to Active Military Duty:

Throughout the course of military service, there may be times when deployment, duty, or training makes it necessary for a student to be delayed in returning for the beginning of the fall or spring semester. In order to facilitate and encourage academic success and preparedness, students and faculty must follow these guidelines:

1. Students are to contact professors and the Office of Financial Aid at least two weeks prior to the start of the term to indicate that military service is delaying their return for the semester. Students and faculty should discuss a plan and deadlines for completing missed work.
2. When coursework is available online and accessible, military students are expected to complete coursework during their absence.
3. Military students arriving late must arrive on campus no later than the 10th business day of the semester.
4. During the period of time prior to the student arriving on campus, and when the above guidelines are followed, there will be no academic penalty given for attendance or late work, including quizzes and exams.
5. Late fees will be suspended during the period of late arrival.

Resources and Benefits Bethel Offers to Military-Affiliated Students and Their Families:**Office of Financial Aid:**

www.bethel.edu/military-veteran-students (<https://www.bethel.edu/military-veteran-students/>)

651-638-6241

2024-2025 Military Benefits Verification Form:

Students who will receive military benefits for tuition and fees and/or books and supplies should use this form (<https://www.bethel.edu/financial-aid/forms/military-benefits-form-2425/>) to report these amounts. At Bethel, students are required to submit a written request to use entitlement for military benefits, and the submission of this form completes this requirement.

Students are also required to submit a certificate of eligibility for entitlement to educational assistance before the second term of certification.

Military Partnerships:

- Membership in the Yellow Ribbon Program
- Acceptance of many AARTS credits
- Partnership with the Air University Associate-to-Baccalaureate Cooperative (AU-ABC)

For more information on Bethel's military partnerships, visit: www.bethel.edu/military-veteran-students/

Financial Aid and Military Benefits:

Beyond Bethel's membership in the Yellow Ribbon Program, there are a number of other sources of aid given to military-affiliated students. A few examples of military benefits given to Bethel students are listed below:

- Federal Tuition Assistance (FTA) – Air Force
- Federal Tuition Assistance (FTA) – Army
- Federal Tuition Assistance (FTA) – Coast Guard
- Federal Tuition Assistance (FTA) – Marine Corps
- Federal Tuition Assistance (FTA) – Navy
- Federal Tuition Assistance (FTA) and Top Up
- Minnesota GI Bill
- Minnesota State Tuition Reimbursement (STR)
- VA Chapter 1606 – Montgomery GI Bill Selected Reserve (MGIB – SR)
- VA Chapter 30: Montgomery GI Bill (MGIB)
- VA Chapter 31 - Vocational Rehabilitation and Employment (VR & E)
- VA Chapter 33 - Post 9/11 GI Bill
- VA Chapter 35 - Dependents' Educational Assistance Program (DEAP)
- VA National Call to Service

If students are awarded military benefits, Bethel-controlled grants and scholarships will be reduced if students' total military benefits, grants and scholarships exceed the financial aid budget for tuition, fees, room, board, books and supplies. For more information on military benefits, visit: www.bethel.edu/undergrad/financial-aid/types/military-benefits/

Active Military Duty students will receive a refund of amounts paid for room and board attributable to the time period during which the students were serving in active military service and were unable to use the facilities or services for which the amounts were paid. Any refund of room and board is subject to the requirements of state and federal financial aid programs.

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

International and 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 offers several faculty-led programs as well as a wide variety of programs within third-party organizations, consortiums, and universities around the globe. Students must attend Bethel at least one semester before participating in an off-campus studies program.

The Office of International and Off-Campus Programs advocates for and serves in building and boldly moving forward quality, inclusive, and accessible study away programming designed for students of any academic discipline, ability, background, or financial means. For a complete listing of program offerings and application information, visit Bethel's study abroad website (<https://www.bethel.edu/undergrad/academics/study-abroad/>).

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 an approved off-campus experience.

Programs Offered

Bethel Faculty-Led Programs (<https://www.bethel.edu/international-studies/programs/faculty-led/>)
January | Summer

Bethel offers faculty-led January programs for undergraduate students each year.

Faculty-led January session courses are about 3 weeks in length and are announced at the Spring Study Abroad Fair for the following January.

Bethel Third-Party Programs (<https://www.bethel.edu/international-studies/programs/third-party/>)
Semester | January | Summer

Bethel partners with a wide array of both Christian and secular third-party providers to give students a great variety of semester, January, and summer program options located all over the U.S. and the globe.

Intercultural Engagement Endorsement (<https://www.bethel.edu/international-studies/programs/intercultural-engagement-endorsement/>)

When students study off-campus for a semester, they are able to count that experience toward an endorsement in intercultural engagement. This endorsement combines academic courses, campus activities, and off-campus experiences to equip them with skills to interact, communicate, and collaborate with people across cultures.

Enrollment Requirements for Students

In order to study away, students must still have an active registration at Bethel. Students cannot audit off-campus courses.

Grades and Credit Transfer

- Faculty-Led Programs:
 - Faculty-led programs are Bethel courses and do not require a transfer process.
 - Grades for faculty-led programs are factored into the GPA as usual.

- Third-Party Programs:
 - For students participating in approved third-party programs, credits earned will normally transfer to Bethel.
 - However, to ensure that this credit will transfer to Bethel to meet specific requirements, it is strongly recommended that students complete the course petition process (<https://www.bethel.edu/international-studies/how-to-apply/getting-started/>) BEFORE going abroad.
 - For courses transferred in from a foreign university, students will need to earn the equivalent of a C in the course for Bethel to accept the credit. Bethel will not transfer in failing grades.
 - Letter grades for each course will appear on the transcript but will not be factored into the GPA.
- Programs for which Bethel grants the credit (Semester in Segovia) will be factored into the GPA as usual.

Residency Requirement

- Freshman must complete at least one semester on campus as a fulltime Bethel student prior to studying abroad (with the exception of programs designed for first-year college students).
- Seniors must meet Bethel's residency requirements (<https://catalog.bethel.edu/arts-sciences/general-information/graduation-requirements/bachelors-degree/>) when participating in an off-campus program.
 - Courses taken through Bethel third-party provider programs meet residency requirements.
 - In order to receive formal documented approval for studying off-campus during senior year, students must complete the Residency Requirement Petition (<https://www.bethel.edu/registrar/forms/residency-requirement-petition/>).
 - All faculty-led courses meet Bethel's residency requirements and do not require a petition.

Post Secondary Enrollment Options (PSEO)

The Postsecondary Enrollment Options (PSEO) program (<https://www.bethel.edu/academics/early-college/dual-enrollment/>) is a Minnesota program allowing high school students to enroll in courses at local cooperating colleges and universities. Through the program, students do not have to pay for college tuition, textbooks, or support services, and cooperating postsecondary institutions receive partial expense reimbursement from the Minnesota Department of Education (<https://education.mn.gov/mde/>).

Each year, Bethel admits a limited number of high school juniors and seniors through the PSEO program. PSEO students enrolled at Bethel must follow the policies and guidelines outlined below until graduating from high school. Bethel does not necessarily seek state reimbursement for all courses that PSEO students take.

Advising

All Early College students are assigned an academic advisor within the Early College team (<https://www.bethel.edu/undergrad/academics/early-college/team/>) to identify their educational path. While Bethel works with students and their high school counselors to ensure that courses taken at Bethel meet high school graduation requirements, responsibility for completing those requirements rests on the student.

General Requirements and Policies for PSEO Student Registration

Within the limits and exceptions outlined below, students can take 100-level and 200-level classes for which they have met the prerequisites. Students can be registered for no more than 16 credits in a semester and no more than 4 credits in January session.

Excluded Courses

Students cannot be registered for courses that focus on the Bible or Theological issues (with the exception of BIB 102, this includes courses with the prefix BIB, THE, or MIN). PSEO students cannot be registered for sports courses that have fees of \$30 or greater. All courses taken in PSEO must meet graduation requirements at the high school, so non-credit bearing and audited courses are not available for PSEO registration.

Additional Notes

General Education Entry Standing (p. 60) is assigned when students take their first Bethel class after their date of high school graduation.

For some courses, Bethel does not receive reimbursement from the state, but students may be registered for these courses while they are a PSEO student at Bethel. These courses are listed below.

Code	Title	Credits
BIB 102	Introducción a la Biblia	4
GES 130	Christianity & Western Culture	4
GES 147	Humanities II: Renaissance and Reformation	4
GES 149	Humanities III: Enlightenment to Modernity	4
GRK 101	Introductory Biblical Greek I	4
HEB 101	Introductory Biblical Hebrew I	4

Tuition

Students do not pay tuition nor academic fees, with the exception of music lessons or trip expenses.

Summer Courses

Tuition and fees for summer school courses are not covered by the PSEO program, though PSEO students may choose to take summer school courses and cover the cost of tuition and fees themselves.

More Information

For more information on PSEO and Bethel's Early College Program, access the Early College Handbook (<https://catalog.bethel.edu/early-college/>).

Student Load

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. To enroll for more than 18 credits, a student must have a GPA of at least 3.25 in each of the two preceding semesters, complete a petition explaining the reason(s) for the overload, and receive the approval of the advisor and the Office of the Registrar. (<https://www.bethel.edu/registrar/>)

Student load for January Session is 2 to 5 credits. Most students take 4 credits. If a student is registered above the maximum credit load for January (five credits) on the day before January Session classes begin, the Registrar's Office will drop the most recent course(s) for which the student had registered until the student is no longer above the maximum credit load for January Session.

Student load for summer may not exceed 12 credits.

Under the Code of Federal Regulations [8 C.F.R. § 214.2 (f)(6)(i)(G)], for F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term or semester may be counted toward the full course of study requirement if the class is taken online or through distance education and does not require the student's physical attendance for classes, examination, or other purposes integral to completion of the class. An online or distance

education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no online or distance education classes may be considered to count toward a student's full course of study requirement.

Transferring Credits

Bethel welcomes transfer students from regionally accredited colleges and universities, both public and private and both two-year and four-year universities. To recognize the academic work completed elsewhere Bethel has developed entry standings based on the number of credits completed prior to entering Bethel. Students at the various standing levels, students who have completed the Minnesota Transfer Curriculum (http://www.mntransfer.org/transfer/mntc/t_mntc.php), or students who have completed an Associate of Arts or Bachelors degree are exempt from some General Education requirements. For more information see the Entry Standing Tables. (p. 60)

Transfer Evaluation System (TES)

The Transfer Evaluation System (TES (<https://www.bethel.edu/undergrad/admissions/explore/transferring-credits/>)) can be used by transfer students, other students entering Bethel with college credits, and current Bethel students who wish to take some courses elsewhere so that they see how courses taken at another institution will transfer to Bethel. Courses not found in TES will be reviewed by the Office of the Registrar (<https://www.bethel.edu/registrar/>) in consultation with the faculty. For incoming students, transfer credit evaluations are valid for the student's anticipated semester of enrollment and the following semester. If enrollment is deferred for additional semesters, transfer work must be re-evaluated.

Transfer Policies

Bethel accepts transfer credits in accordance with the policies below:

1. Courses must have been taken from an institution that has institutional accreditation as approved by the U.S. Department of Education.
2. Only courses at the 100-level (1000-level for colleges using a four-digit numbering system) and higher are accepted for transfer. Remedial courses are not accepted for transfer.
3. Vocational/Technical courses (e.g., Massage Therapy, Auto Mechanics) may not be transferred to Bethel.
4. Only courses in which students earn a grade of C or better may be transferred to Bethel. Courses taken pass/fail, credit/no credit, satisfactory/unsatisfactory do not transfer unless the official transcript indicates that a pass/fail, credit/no credit, satisfactory/unsatisfactory is equivalent to a grade of C or higher. For satisfactory or passing grades on other schools' transcripts that are not defined as equivalent to a C or higher, transfer credits will be awarded for the class if the instructor of record submits a letter on letterhead that indicates the student earned the equivalent letter grade of a C or higher. The transfer credits could be awarded as elective, general education, major, or minor credits, depending on the equivalency of the course. The student is responsible to arrange for the course instructor to send documentation to the Registrar's Office.
 - a. **COVID-19 Information:** With the exception of satisfactory or passing grades awarded during the COVID-19 pandemic of Spring and Summer 2020, satisfactory or passing grades must be defined as equivalent to a C or higher in order to receive transfer credit. For credits taken during Spring and Summer 2020 only, all Satisfactory or Passing grades awarded will be awarded transfer credit, even if the other institution does not define satisfactory or passing grades as equivalent to a C or higher.
5. Audited courses are not accepted for transfer to Bethel.
6. Official transcripts for all courses completed at colleges outside of the United States must be evaluated (and translated, if needed) by an approved evaluation agency or U.S. college or

- university. Examples of evaluation agencies include, but are not limited to, World Evaluation Services, AACRAO International Education Services, and Educational Credential Evaluators Inc.
7. Grades earned in transfer courses are not included in calculating the cumulative GPA or the GPA for the major at Bethel.
 8. Official transcripts from the college, university, or institution offering the transfer course are required.
 9. The Office of the Registrar consults departments and the General Education Committee to determine which Bethel requirements may be fulfilled by transfer courses. Final decisions are made by the Office of the Registrar. The Office of the Registrar evaluates official transcripts only.
 - a. In order for a transfer course to fulfill a requirement for majors and minors it must be approved by the department offering the course and the Office of the Registrar.
 - b. Approval for a course to fulfill a General Education requirement must be obtained from the General Education Committee member overseeing the course or General Education category and the Office of the Registrar.
 10. In order for a transfer course to fulfill a specific Bethel requirement:
 - a. the credits of the transfer course must be greater than 50% of the credits of the Bethel requirement (e.g., a 2-credit transfer course may not be used to fulfill a 4-credit Bethel requirement but a 3- or 4-credit transfer course may fulfill either a 3- or 4-credit Bethel requirement).
 - b. the level of the transfer course must not be more than one level lower than the Bethel requirement it fulfills (e.g., a 100-level course may replace a 200-level course, but may not replace a 300-level course.)
 11. Transfer courses that do not fulfill specific courses or requirements may be brought in as electives and counted toward the total credits required for graduation.
 12. Students are responsible for ensuring that official transcripts from other colleges and universities are sent to Bethel and for monitoring their academic records to verify which Bethel requirements the transfer courses fulfill.
 13. Students studying abroad should obtain approval of courses to be taken abroad *prior* to their departure. Petition forms are available through the Office of the Registrar.
 14. Current Bethel students who wish to take courses at another college or university for transfer to Bethel should obtain approval *prior* to taking the course. Upon completion of the course, they should ensure that official transcripts are sent to the Office of the Registrar.
 15. Of the last 35 credits taken to complete a degree at Bethel, at least 28 must be taken at Bethel and at least 30 of the 122 credits needed to graduate must be taken at Bethel.
 16. Articulation agreements may include exceptions to transfer credit, course requirement, and degree requirement policies.
 17. If a transfer course is not accepted for Bethel credit, the decision may be appealed by completing the form found on the Registrar's Office webpage.

Credits by Examination

Within the structures outlined below, Bethel University awards credit in recognition of learning that has been achieved apart from a college classroom situation. A maximum of 40 credits in prior learning can be applied toward a degree program.

1. Credit may be awarded to a student who receives a qualifying score on:
 - a. an Advanced Placement Examination (AP). A minimum score of 3 is required in order for the exam to replace most Bethel requirements. A score of 4 or higher is required to fulfill the Inquiry Seminar requirement as well as requirements for some majors. The Office of the Registrar (<https://www.bethel.edu/registrar/>) maintains information about AP exams and

General Education requirements. Students should consult departments for information about AP courses that may be used to fulfill requirements in the major.

- b. either a General Examination or a Subject Examination of the College-Level Examination Program (CLEP). Consult the Office of the Registrar (<https://www.bethel.edu/registrar/>) for details.
 - c. an International Baccalaureate (IB) exam. Bethel awards 3 credits for Standard Level Examinations with a score of 5 or higher. A student with a score of 4 or higher on a Higher Level Examination is awarded 6 credits. Consult the Office of the Registrar (<https://www.bethel.edu/registrar/>) for details.
 - d. a DANTES Subject Standardized Test (<https://www.military.com/education/timesaving-programs/dantes-college-credit-by-examination-program.html>) (Defense Activity for Non-Traditional Education Support), which is equivalent to a college course. Consult the Office of the Registrar (<https://www.bethel.edu/registrar/>) for details.
2. 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.
 3. Students who complete high school outside the U.S. may be eligible to receive credit for some first-year courses.

General Education Entry Standing Entry Standing Level

The Entry Standing:

- Determines which General Education requirements a student must fulfill and the number of January Sessions that must be completed.
- Is assigned when students take their first Bethel class after their date of high school graduation.
- Is based on semester credit hours from another institution that have been completed prior to enrolling at Bethel and accepted for transfer, as well as any coursework taken for credit through a Bethel-sponsored high school and/or early college program.
- Will not be changed from the original level assigned unless a student leaves Bethel and returns after a period of two or more years, during which time the student earned credits at another college or university and did not complete any courses at Bethel.

Visit Bethel's General Education Curriculum Policies webpage (<https://www.bethel.edu/undergrad/academic-affairs/curriculum/general-education/>) for information about of General Education Policies and Transfer Entry Standing Charts.

Students who already have a Bethel Bachelor's degree and who are completing a second degree or major are considered to have met all General Education requirements. They need only meet the requirements for the major, including the major residency requirement.

Helpful Notes:

- Entries of 'Yes' mean students must take the course to complete their chosen degree
- Entries of 'No' mean students are exempt from taking the course to complete their chosen degree

Appeal of Entry Standing Level

Students who believe their entry standing level is incorrect or should be adjusted, may appeal that decision by submitting the form found on the Registrar's Office webpage (<https://www.bethel.edu/registrar/forms/>).

Entry Standing Charts for students who entered prior to Fall 2024 can be found on the General Education Curriculum Policies webpage (<https://www.bethel.edu/undergrad/academic-affairs/curriculum/general-education/>)

Print Version: Entry Standing Level Chart for students entering Fall 2024 and beyond (<https://www.bethel.edu/undergrad/academic-affairs/files/general-education-2024-2025-transfer-chart.pdf>)

General Education Requirements by Entry Standing 2024-2025	Level 1	Level 2	Level 3	Completed MNTC	Completed A.A., B.A., or B.S.
Credits	0-29	30-59	60-90 +		
FIRST YEAR FOUNDATIONS					
GES 140 Introduction to Wellbeing*	Yes	No	No	No	No
GES 125 Introduction to the Creative Arts	Yes	Yes	No	No	No
GES 130 Christianity and Western Culture*	Yes	Yes	Yes	Yes	Yes
GES 160 Inquiry Writing Seminar**	Yes	Yes	No	No	No
ARTISTIC EXPERIENCE					
Artistic Experience (A)	Yes	Yes	No	No	No
BIBLICAL FOUNDATIONS					
BIB 101 Introduction to the Bible	Yes	Yes	Choose 1: BIB 101 or THE 201 (must be at Bethel)	Choose 1: BIB 101 or THE 201 (must be at Bethel)	Choose 1: BIB 101 or THE 201 (must be at Bethel)
THE 201 Christian Theology	Yes	Yes	Choose 1: BIB 101 or THE 201 (must be at Bethel)	Choose 1: BIB 101 or THE 201 (must be at Bethel)	Choose 1: BIB 101 or THE 201 (must be at Bethel)

General Education Entry Standing 62

MATH, SCIENCE, AND, TECHNOLOGY					
Laboratory Science (D)	Yes	Choose 2: M, D, or K	Choose 1: M or D	No	No
Mathematics (M)	Yes	Choose 2: M, D, or K	Choose 1: M or D	No	No
Science, Technology, and Society (K)	Yes	Choose 2: M, D, or K	No	No	No
CULTURAL INTELLIGENCE					
Second Language (S)	Choose 4: L, G, U, S, or Z	Choose 3: L, G, U, S, or Z	Choose 2: L, G, U, S, or Z	No	No
Cross-cultural Experience (Z)	Choose 4: L, G, U, S, or Z	Choose 3: L, G, U, S, or Z	Choose 2: L, G, U, S, or Z	No	No
Contemporary Western Life and Thought (L)	Choose 4: L, G, U, S, or Z	Choose 3: L, G, U, S, or Z	Choose 2: L, G, U, S, or Z	No	No
World Cultures (U)	Choose 4: L, G, U, S, or Z	Choose 3: L, G, U, S, or Z	Choose 2: L, G, U, S, or Z	No	No
Comparative Systems (G)	Choose 4: L, G, U, S, or Z	Choose 3: L, G, U, S, or Z	Choose 2: L, G, U, S, or Z	No	No
SENIOR CAPSTONE					
Contemporary Christian Issues (P)*	Yes	Yes	Yes	Yes	Yes
Total Credits	48-56	38-46	18-22	10	10
OTHER REQUIREMENTS					
January Sessions that must be completed at Bethel	3	2	1	2	1

* Must be taken at Bethel

** GES 160 Inquiry Writing Seminar includes both speaking and writing components. GES 160 can be fulfilled by transferring in courses that fulfill the writing component (GES161 Inquiry: Writing) and the speaking component (GES162 Inquiry: Speaking). Students may also transfer a course that meets the writing component (GES161 Inquiry: Writing) and take one of the following Speaking courses: COM 110 Basic Communication, COM 324 Professional and Technical Communication, COM 386 Advanced Public Speaking, or COM 387 Speaking in Ministry Contexts at Bethel.

Academic Programs and Departments

Majors*

- Accounting and Finance (p. 118)
- Actuarial Science and Finance (p. 69)
- Applied Philosophy (p. 258)
- Applied Physics (p. 264)
- Art (BA) (p. 81)
- Art (BFA) (p. 84)
- Art Therapy (non-licensure) (p. 82)
- Biblical and Theological Studies (p. 91)
- Biochemistry (BA) (p. 125)
- Biochemistry/Molecular Biology (BS) (p. 93)
- Biology (BA) (p. 101)
- Biology (BS) (p. 103)
- Business (p. 115)
- Business and Political Science (p. 272)
- Chemistry (BA) (p. 126)
- Chemistry (BS) (p. 127)
- Communication Studies (p. 134)
- Communication Arts and Literature Education 5-12 (p. 186)
- Computer Engineering (p. 178)
- Computer Science (BA) (p. 144)
- Computer Science (BS) (p. 145)
- Computer Science with Software Project Management (p. 144)
- Electrical Engineering (p. 179)
- Elementary Education (p. 160)
- Elementary Education with Middle Level Endorsements (p. 161)
- Engineering (BA) (p. 177)
- English (p. 188)
- Environmental Science (p. 194)
- Exercise Science (p. 73)
- Graphic Design (p. 83)
- History (p. 215)
- Human Bioenergetics (p. 74)
- International Relations (p. 273)
- Journalism (p. 189)
- Mathematics (p. 228)
- Mathematics and Data Science (p. 230)
- Mathematics Education 5-12 (p. 229)
- Mechanical Engineering (p. 180)
- Media Production (p. 136)
- Missional Ministries (p. 91)
- Music (p. 238)

- Music/Applied Performance (BMus) (p. 239)
- Music Education (BMusEd) (p. 240)
- Neuroscience (p. 245)
- Nursing (p. 248)
- Organizational Communication (p. 137)
- Physics (BA) (p. 263)
- Physics (BS) (p. 266)
- Political Science (p. 275)
- Psychological Sciences (p. 280)
- Public and Community Health (p. 283)
- Rehabilitation and Movement Science (p. 76)
- Social Studies Education 5-12 (p. 216)
- Social Work (p. 286)
- Software Engineering (p. 146)
- Spanish (p. 223)
- Special Education K-12 Academic Behavioral Strategist (p. 162)
- Associate of Arts (p. 42)

*While students cannot major in the Exploratory major, an Academic Plan is available to provide students a possible pathway to follow when mapping out their educational plans.

Minors

- Art History (p. 85)
- Biblical and Theological Studies (p. 92)
- Biology (p. 108)
- Business (p. 119)
- Business Education & Communication (p. 163)
- Chemistry (p. 128)
- Communication Studies (p. 138)
- Computer Science (p. 147)
- Creative Writing (p. 190)
- Digital Humanities (p. 148)
- Education & Policy (p. 164)
- Education: Teaching Preparation (p. 164)
- Engineering (p. 182)
- English (p. 190)
- Gender Studies (p. 197)
- Graphic Design (p. 85)
- History (p. 217)
- Journalism (p. 190)
- Mathematics (p. 231)
- Media and Performing Arts (p. 242)
- Media Production (p. 139)
- Music (p. 243)
- Philosophy (p. 259)

- Photojournalism (p. 191)
- Physics (p. 267)
- Political Science (p. 276)
- Pre-Law (p. 276)
- Psychological Sciences (p. 282)
- Public and Community Health (p. 285)
- Social Media (p. 139)
- Social Welfare Studies (p. 295)
- Sociocultural Studies of Education (p. 165)
- Spanish (p. 224)
- Special Education (p. 166)
- Studio Art (p. 85)

Certificates and Endorsements

- Addiction Studies Certificate (p. 120)
- Classics Endorsement (p. 167)
- Healthcare Pathways Endorsement (p. 167)
- Healthcare Professional Preparation Endorsement (p. 168)
- Intercultural Engagement Endorsement (p. 168)
- Military and Diplomatic Studies Endorsement (p. 169)
- Music Performance Endorsement (p. 169)

An overview of how to use this catalog

Course Numbers, Levels, Credits, and Prerequisites

The primary purpose of Bethel's course number system is to identify the intended participant in 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.

Subject Code	Description
100s	Freshman
200s	Sophomore
300s	Junior
400s	Senior

The subject code indicates the academic subject being studied. The suffix code indicates the General Education requirement(s), if any, that can be met by completing the course.

Subject Code and Description

Subject Code	Description
ADS (p. 120)	Addiction Studies
AHS (p. 71)	Applied Health Sciences
ANT (p. 269)	Anthropology
ARH (p. 78)	Art History
ART (p. 78)	Art
ASL (p. 220)	American Sign Language
ASN	General Studies

ATH (p. 78)	Art Therapy
AUS (p. 192)	Au Sable
BIB (p. 86)	Bible
BIO (p. 95)	Biology
BUS (p. 109)	Business
CHE (p. 122)	Chemistry
CHL (p. 283)	Public and Community Health
COM (p. 129)	Communication Studies
COS (p. 141)	Computer Science
DES (p. 78)	Graphic Design
DIG (p. 148)	Digital Humanities
ECO (p. 109)	Economics
EDU (p. 150)	Education
ENJ (p. 183)	English and Journalism
ENR (p. 171)	Engineering
ENS (p. 192)	Environmental Science
GEO (p. 206)	Geography
GES (p. 198)	General Studies
GRK (p. 86)	Biblical Greek
HCE (p. 207)	Healthcare
HEB (p. 86)	Hebrew
HIS (p. 212)	History
HON (p. 218)	Honors
LEA (p. 109)	Leadership Studies
MAT (p. 225)	Mathematics
MIN (p. 91)	Missional Ministries
MUE (p. 232)	Music-Ensembles
MUL (p. 232)	Music-Private Lessons
MUP (p. 232)	Music-Performance Groups
MUS (p. 232)	Music
NAS (p. 244)	Natural Sciences
NSC (p. 245)	Neuroscience
NUR (p. 248)	Nursing
PHI (p. 256)	Philosophy
PHY (p. 260)	Physics
POS (p. 269)	Political Science
PSY (p. 277)	Psychology
REL (p. 86)	Religious Studies
SOC (p. 269)	Sociology
SOW (p. 286)	Social Work
SPA (p. 220)	Spanish
SPD (p. 152)	Special Education
TEL (p. 220)	Teaching English as a Second Language
THA (p. 232)	Theatre
THE (p. 86)	Theology

General Education Category Designators

A	Artistic Experience
D	Laboratory Science
G	Comparative Systems
K	Science, Technology, and Society
L	Contemporary Western Life and Thought
M	Mathematics
P	Contemporary Christian Issues
S	Second Language
U	World Cultures
Z	Cross-cultural Experience

Prerequisites

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

General Education Prerequisites

Course or Category	Category Designator	Course #	Prerequisite	Credits	Terms Offered
First Year Foundations:					
Introduction to Wellbeing	-	GES 140	None	2	F, J, S
Introduction to the Creative Arts	-	GES 125	None	4	F, J, S
Christianity and Western Culture ¹	-	GES 130	None	4	F, J, S
Inquiry Writing Seminar	-	GES 160	None	4	F, J, S
Artistic Experience:					
Artistic Experience	A	100-300	None	0-4	F, J, S
Biblical Foundations:					
Introduction to the Bible	-	BIB 101	None	4	F, J, S
Christian Theology	-	THE 201	BIB 101 and Sophomore standing	4	F, J, S
Math, Science, and Technology:					
Laboratory Science	D	1xx-2xx	None	4	F, J, S
Mathematics	M	1xx-2xx	None (some by placement exam)	3-4	F, J, S
Science, Technology, and Society	K	3xx	D; M	4	F, J, S
Cultural Intelligence:					
Second Language	S	102	Placement exam or credit for 101	4	F, J, S
Cross-Cultural Experience	Z	1xx-4xx	None	0-4	F, J, S
Contemporary Western Life and Thought	L	2xx	GES 130 and GES 160 ² or GES 149 ²	4	F, J, S
World Cultures	U	2xx	GES 130 ² or GES 149 ²	4	F, J, S

Comparative Systems	G	3xx	(GES 130; GES 160 or GES 149); L-Course or U-course	4	F, J, S
Senior Capstone:					
Contemporary Christian Issues ¹	P	4xx	(GES 160 or GES 149); THE 201; L-course, G-course, or U-course; Senior standing	2	F, J, S
Integrated Track (Humanities):					
Humanities I: Greco-Roman through Middle Ages	-	GES 145	None	4	F
Humanities II: Renaissance and Reformation	-	GES 147	GES 145	4	J
Humanities III: Enlightenment and Modernity	-	GES 149	GES 147	4	S

¹ P course and GES 130 *Christianity and Western Culture* requirements cannot be fulfilled through transfer courses.

² May be taken concurrently.

Letters (e.g., A, D) indicate a General Education category from which students select a course of their choice.

B.S. in Actuarial Science and Finance

A degree in Actuarial Science and Finance equips students to help businesses manage risk and make informed decisions. In addition to developing expertise in finance, economics, statistics, probability, and computer coding, students also practice teamwork, communication, and ethical decision-making. Together, these skillsets prepare students to become successful actuaries.

Code	Title	Credits
Major in Actuarial Science and Finance (B.S.)		
BUS 210	Financial Accounting ²	4
BUS 220	Principles of Marketing	4
BUS 230	Managing Organizations and People	4
BUS 317	Business Analytics	4
BUS 344	Managerial Finance	4
BUS 352	Financial Modeling & Valuation	4
BUS 361	Business Law	2
BUS 440	Capital Markets	4
BUS 470	Finance Seminar	4
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 277	Software Development Fundamentals	4
COS 313	Database Systems	2
ECO 202	Principles of Microeconomics	2
ECO 203	Principles of Macroeconomics	2
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 211	Linear Algebra	4
MAT 223	Multivariable Calculus	4
MAT 242	Introduction to Proofs	2
MAT 309	Financial Mathematics	3
MAT 330	Probability and Statistics	3
MAT 331	Advanced Probability and Statistics	3
MAT 376	Operations Research	3
Choose one of the following courses:		3-4
BUS 416	Business Forecasting and Data Mining ³	
COS 334	Data Mining and Machine Learning	
Internship (135+ hours = 3 credits, 180+ hours = 4 credits)		3-4
One Actuarial Examination Successfully Passed		
Code	Title	Credits
Major		88-90
General Education *		44-52
Total Credits		134-140

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

B.S. in Actuarial Science and Finance 70

² BUS 106 is a prerequisite for this course.

³ COS 101 is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Applied Health Sciences

The Applied Health Sciences (<https://www.bethel.edu/undergrad/academics/human-kinetics/>) programs endorse a philosophy that the key to health and wellness is the quality of one's lifestyle, which has physical, mental, emotional, social, and spiritual aspects. The department's mission is to embolden and equip faith-based, future applied scientists to expand the limits of known knowledge for the inspiration of innovations, service and leadership within dynamic healthcare settings. The Applied Health Sciences faculty do this by fostering interdisciplinary and collaborative relationships, inspiring application through real-world scenarios, and mentoring systematic investigation.

Majors in Applied Health Sciences

- B.S. in Exercise Science (p. 73)
- B.S. in Human Bioenergetics (p. 74)
- B.S. in Rehabilitation and Movement Science (p. 76)

AHS 001 • First Aid and CPR Certification 0 Credit
Successful completion of the American Red Cross First Aid course and proof of CPR certification.

AHS 100 • Foundations in Applied Health Science 1 Credit

A starting point for "life after Bethel" discussions and assignments throughout the academic career in applied health sciences majors. Explores the knowledge, skills, and competencies for career pathways in medical and applied/allied health science fields. Students discover, practice, and reflect on the building blocks for success in health-related career pathways.

Offered: Fall, Occasionally spring.

AHS 170 • Applied Nutrition 2 Credits
Effects of individualized nutrition on health, human performance, and chronic disease prevention will be discussed throughout the lifespan. Topics covered also include macronutrient sources, digestion, absorption and basic utilization with introductory concepts of micronutrient classifications and physiological roles.

Offered: Fall, Occasionally January, Spring.

AHS 248 • Applied Movement Systems 2 Credits
A hands-on, applied course that exposes and prepares students to understand the function and application of movement systems and exercise to enhance the function and capacity of the musculoskeletal and cardiovascular systems.
Offered: Fall, Spring.

AHS 250M • Statistics and Research Methods in Applied Health Sciences 4 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 healthcare and Institutional Review Board (IRB) human-based research projects.

Offered: Fall, Spring. Special Notes: Students may not receive credit for AHS 250M and BUS 201M, PSY 230M, or MAT 207M. AHS 250M does not count toward the psychology minor elective credit requirement.

AHS 303KZ • Integrative Medicine in a Cross-Cultural Setting 4 Credits

Theories and practices of integrative medicine that promote quality health and wellness. Models from ancient Mayan practices to modern Western medical practices. Scientific theories include ethnobotany, psychoneuroimmunology, integrative nutrition, and biofeedback. Practices may include therapeutic touch, yoga, mindfulness, contemplative prayer, nature therapy, and healing effects of physical activity and movement.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally January.

AHS 370 • Functional Human Nutrition 4 Credits
Prepares students in functional nutrition, emphasizing human biochemistry and cellular energetics. Explores the relationship of nutrients to health pathologies, including metabolic syndrome, obesity, diabetes, cardiovascular disease, and cancer. Practical experience with nutritional interventions for health optimization and disease management. Emphasis on biochemical individuality for positive, nutritional modulation in oxidative phosphorylation.
Prerequisites: BIO 120/BIO 120D, BIO 122/BIO 122D, BIO 124/BIO 124D, or BIO 128/BIO 128D and CHE 113/CHE 113D and AHS 170. Offered: Fall, Spring.

AHS 375 • Functional Anatomy 4 Credits

Applied, anatomical content focuses on musculoskeletal kinematics, types of muscular contraction, location/direction of force application, and descriptive movement analysis. Topics integrate motor learning and development concepts including skills acquisition and maintenance of motor skills.

Prerequisites: BIO 214/BIO 215 or BIO 238/BIO 239 and Mathematics (M) course. Offered: Fall, Spring. *Special Notes:* PHY 102/PHY 102D is a recommended prerequisite.

AHS 379 • Integrative Human Physiology 4 Credits

Examination of how normal human physiological function (homeostasis) is altered, and subsequently restored, in response to various forms of acute and chronic stress.

Prerequisites: BIO 214/BIO 215 and BIO 216/BIO 217. Offered: Fall, Spring.

AHS 393 • Literature Review in Applied Health Sciences 2 Credits

Students develop and work on their research project and IRB. Students use literature to formulate an independent project. Completion of IRB is expected. Discussions of careers, graduate and medical school application and entrance examinations.

Prerequisites: AHS 001 and AHS 379 (may be taken concurrently) *Corequisites:* Concurrent registration in AHS 398 and AHS 399. Offered: Spring.

AHS 398 • Physiological Assessment Laboratory 1 Credit

Laboratory experience accompanying AHS 399.

Prerequisites: AHS 001 and AHS 379, (may be taken concurrently). *Corequisites:* Concurrent registration in AHS 393 and AHS 399 is required. Offered: Spring.

AHS 399 • Physiological Assessment 3 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.

Prerequisites: AHS 001 and AHS 379 (may be taken concurrently). *Corequisites:* Concurrent registration in AHS 393 and AHS 398 is required. Offered: Spring.

AHS 440 • Advanced Training for Human Performance 3 Credits

Prepares students to systematically design training and conditioning programs to enhance the function and capacity of the musculoskeletal and cardiovascular systems. Utilizes periodization and mathematical models with expected physiological and neuromuscular adaptations to maximize human performance in sport, pre-habilitation, public health, and special populations.

Prerequisites: BIO 216/BIO 217 and AHS 248 and AHS 375 (may be taken concurrently). Offered: Fall.

AHS 445 • Advanced Laboratory Techniques in Applied Health Sciences 4 Credits

Collection, interpretation, and prescription of human subjects data conducted. Activities focus on how to work in a dynamic laboratory and refine and master previously learned assessment skills.

Prerequisites: AHS 393; AHS 398; AHS 399. Offered: Fall, Spring.

AHS 481 • Internship in Applied Health Sciences 1-4 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. Experience is designed by the student in consultation with a faculty member.

Prerequisites: AHS 393; AHS 398; AHS 399 or Consent of instructor. *Special Notes:* Application must be made at least one semester prior to the intended experience. Offered: Fall, Spring.

AHS 494 • Research in Applied Health Sciences 1 Credit

Students develop and work on their senior research project. Students complete data collection and continue the discussion of "life after Bethel." In addition, social networking, public speaking, and presentations are explored.

Prerequisites: AHS 393; AHS 398; AHS 399. Offered: Fall.

AHS 495 • Applied Health Sciences Symposium 2 Credits

Students prepare and deliver formal presentation and manuscripts of their research results. Weekly discussions cover current research topics. The discussion of "life after Bethel" is continued.

Prerequisites: AHS 494. Offered: Spring.

B.S. in Exercise Science

Code	Title	Credits
Major in Exercise Science (B.S.)		
Applied Health Science Core		
AHS 100	Foundations in Applied Health Science	1
AHS 170	Applied Nutrition	2
AHS 248	Applied Movement Systems	2
AHS 250M	Statistics and Research Methods in Applied Health Sciences	4
AHS 370	Functional Human Nutrition	4
AHS 375	Functional Anatomy	4
AHS 379	Integrative Human Physiology	4
AHS 393	Literature Review in Applied Health Sciences ¹	2
AHS 398	Physiological Assessment Laboratory ¹	1
AHS 399	Physiological Assessment ¹	3
AHS 440	Advanced Training for Human Performance	3
AHS 445	Advanced Laboratory Techniques in Applied Health Sciences	4
AHS 481	Internship in Applied Health Sciences	2
AHS 494	Research in Applied Health Sciences	1
AHS 495	Applied Health Sciences Symposium	2
Interdisciplinary Core		
PSY 101	Introduction to Psychology I	2
PSY 102	Introduction to Psychology 2	2
One of the following courses:		4
BIO 120 & BIO 120D	Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	
BIO 122 & BIO 122D	Introduction to Organismic Biology and Introduction to Organismic Biology Lab	
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab ³	4
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab ²	4
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
Code	Title	Credits
Major ⁴		59
General Education *		40-48
Electives		15-23
Total Credits		122

¹ AHS 001 is a prerequisite for this course.

² BIO 104/BIO 104D, BIO 120/BIO 120D, BIO 218, or NSC 130/NSC 130D is a prerequisite for this course.

³ BIO 104/BIO 104D, BIO 120/BIO 120D, BIO 122/BIO 122D, BIO 124/BIO 124D, or BIO 128/BIO 128D is a prerequisite for this course.

⁴ Students must earn a C or higher in each course in the major (AHS, BIO, CHE, PHY, PSY).

* Courses whose number is followed by a letter fulfill a General Education requirement.

B.S. in Human Bioenergetics

Code	Title	Credits
Major in Human Bioenergetics (B.S.)		
Applied Health Science Core		
AHS 100	Foundations in Applied Health Science	1
AHS 170	Applied Nutrition	2
AHS 250M	Statistics and Research Methods in Applied Health Sciences	4
AHS 370	Functional Human Nutrition	4
AHS 375	Functional Anatomy	4
AHS 379	Integrative Human Physiology	4
AHS 393	Literature Review in Applied Health Sciences ¹	2
AHS 398	Physiological Assessment Laboratory ¹	1
AHS 399	Physiological Assessment ¹	3
AHS 445	Advanced Laboratory Techniques in Applied Health Sciences	4
AHS 481	Internship in Applied Health Sciences	2
AHS 494	Research in Applied Health Sciences	1
AHS 495	Applied Health Sciences Symposium	2
Interdisciplinary Core		
Choose two of the following courses:		8
BIO 120 & BIO 120D	Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	
BIO 122 & BIO 122D	Introduction to Organismic Biology and Introduction to Organismic Biology Lab	
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	4
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab ²	4
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
PSY 101	Introduction to Psychology I	2
PSY 102	Introduction to Psychology 2	2
Choose 12 credits from the following course sequences:		12

BIO 234 & BIO 235	Microbiology and Microbiology Lab ⁵
BIO 332 & BIO 333	Genetics and Genetics Lab ⁵
BIO 338 & BIO 339	Endocrinology and Endocrinology Lab ⁶
BIO 350	Clinical Pathophysiology ⁷
BIO 354 & BIO 355	Cell Biology and Cell Biology Lab ⁸
BIO 396 & BIO 397	Molecular Biology and Molecular Biology Lab ⁹
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab
CHE 304 & CHE 397	Essentials of Biochemistry and Biochemistry II Lab ^{10,11,14}
or CHE 388 & CHE 389 & CHE 396 & CHE 397	Biochemistry I and Biochemistry I Lab and Biochemistry II and Biochemistry II Lab
MAT 121M	Precalculus
MAT 124M	Calculus I ³
PHY 202 & PHY 202D	Introductory Physics I and Introductory Physics I Lab ⁴
or PHY 292 & 292D	General Physics I and General Physics I Lab
PHY 206 & PHY 207	Introductory Physics II and Introductory Physics II Lab ^{12,13}
or PHY 296 & PHY 297	General Physics II and General Physics II Lab
PSY 203 or PSY 300	Lifespan Development Psychopathology

Code	Title	Credits
Major ¹⁵		78
General Education *		40-48
Electives		0-4
Total Credits		122-126

¹ AHS 001 is a prerequisite for this course

² BIO 104/BIO 104D, BIO 120/BIO 120D, BIO 124/BIO 124D, NSC 130/NSC 130D, or BIO 218 is a prerequisite for this course.

³ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

⁴ MAT 121M or MAT 124M is a prerequisite for this course.

⁵ BIO 218 or BIO 120/BIO 120D is a prerequisite for this course.

⁶ BIO 218 or NSC 130/NSC 130D or BIO 120/BIO 120D and BIO 122/BIO 122D are prerequisites for this course.

⁷ Acceptance into the nursing program or consent of instructor is a prerequisite for this course and NUR 202 and NUR 302 are corequisites for this course.

⁸ BIO 332/BIO 333 or BIO 218, or PSY 101 and NSC 130/NSC 130D is a prerequisite for this course.

⁹ BIO 124/BIO 124D and BIO 128/BIO 128D are prerequisites for this course.

¹⁰ CHE 226/CHE 227 is a prerequisite for CHE 388/CHE 389.

¹¹ Students requiring CHE 397 for their degree will require an override to take this course concurrently with CHE 304.

¹² MAT 125 and PHY 292/PHY 292D are prerequisites for PHY 296/PHY 297.

¹³ PHY 202/PHY 202D is a prerequisite for PHY 206/PHY 207.

¹⁴ BIO 120/BIO 120D or BIO 124/BIO 124D is a prerequisite for CHE 304 and CHE 388/CHE 389.

¹⁵ Students must earn a C or higher in each course in the major (AHS, BIO, CHE, MAT, PHY, PSY).

* Courses whose number is followed by a letter fulfill a General Education requirement.

B.S. in Rehabilitation and Movement Science

Code	Title	Credits
Major in Rehabilitation and Movement Science (B.S.)		
Applied Health Science Core		
AHS 100	Foundations in Applied Health Science	1
AHS 170	Applied Nutrition	2
AHS 248	Applied Movement Systems	2
AHS 250M	Statistics and Research Methods in Applied Health Sciences	4
AHS 370	Functional Human Nutrition	4
AHS 375	Functional Anatomy	4
AHS 379	Integrative Human Physiology	4
AHS 393	Literature Review in Applied Health Sciences ¹	2
AHS 398	Physiological Assessment Laboratory ¹	1
AHS 399	Physiological Assessment ¹	3
AHS 440	Advanced Training for Human Performance	3
AHS 445	Advanced Laboratory Techniques in Applied Health Sciences	4
AHS 481	Internship in Applied Health Sciences	2
AHS 494	Research in Applied Health Sciences	1
AHS 495	Applied Health Sciences Symposium	2
Interdisciplinary Core		
Choose two of the following courses:		8
BIO 120 & BIO 120D	Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	
BIO 122 & BIO 122D	Introduction to Organismic Biology and Introduction to Organismic Biology Lab	
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	4
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab ³	4
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
PHY 202 & PHY 202D	Introductory Physics I and Introductory Physics I Lab ^{4,5}	4

or PHY 292 & 292D	General Physics I and General Physics I Lab	
PSY 101	Introduction to Psychology I	2
PSY 102	Introduction to Psychology 2	2
Choose 12 credits from the following courses:		12
ANT 200	Introduction to Anthropology	
BIO 105	Medical Terminology	
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	
MAT 121M	Precalculus	
MAT 124M	Calculus 1 ²	
PHY 206 & PHY 207	Introductory Physics II and Introductory Physics II Lab ^{6,7}	
or PHY 296 & PHY 297	General Physics II and General Physics II Lab	
PSY 203	Lifespan Development	
PSY 300	Psychopathology	
SOC 101	Introduction to Sociology	

Code	Title	Credits
Major ⁸		79
General Education *		40-48
Electives		0-3
Total Credits		122-127

¹ AHS 001 is a prerequisite for this course.

² Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

³ BIO 104/BIO 104D, or BIO 218 is a prerequisite for this course.

⁴ MAT 121M, MAT 124M, successful completion of the Math and Computer Science department placement exam requirements is a prerequisite for PHY 202/PHY 202D.

⁵ MAT 124M is a prerequisite for PHY 292/PHY 292D.

⁶ PHY 202/PHY 202D is a prerequisite for PHY 206/PHY 207.

⁷ PHY 292/PHY 292D and MAT 125 are prerequisites for PHY 296/PHY 297.

⁸ Students must earn a C or higher in each course in the major (AHS, ANT, BIO, CHE, MAT, PHY, PSY, SOC).

* Courses whose number is followed by a letter fulfill a General Education requirement.

Art and Design

The Department of Art and Design (<https://www.bethel.edu/undergrad/academics/art/>) emphasizes holistic creativity and prepares students to engage with the diverse society in which they will be makers. We stress hands on creative action, where materials, ideas and expressive experimentation collide, forming new possibilities that equip students as they become emerging artists and designers. We emphasize engagement with materials and media of every kind, from bronze, paint, ink and clay to design platforms, video, and darkroom photography. Students gain the technical skills and processes needed for freedom of expression in any medium, alongside learning the ideas, culture, art history and theory that make art and design complete as human, spiritual, and meaningful vocations. We thrive on this unified platform where art informs design, design informs art, and ideas and the spiritual informs the whole.

The department serves students through four degree options: for those pursuing studio art alongside their broad liberal arts education, the Bachelor of Arts major; for those pursuing the studio arts as a profession, the Bachelor of Fine Arts; for those preparing for a career helping others through artmaking and expression, the Bachelor of Arts in Art Therapy; and for those pursuing a career in design, the Bachelor of Arts in Graphic Design. In addition to these majors, the department offers minors in Photojournalism, Art History, Studio Art and Graphic Design.

Woven into this curriculum is a rich gallery program that brings many professional artists to campus through the exhibition of their work and public lectures. Two galleries, the Eugene and Leona Olson Gallery (<https://www.bethel.edu/events/arts/galleries/>) and the Eugene Johnson Gallery (<https://www.bethel.edu/events/arts/galleries/>), offer exhibitions of artists with diverse perspectives and regional, national, and global reputations. Through the Visiting Artists Lecture Series, these artists personalize their work, giving our students the opportunity to meet and interact with artists beyond the Bethel faculty. In addition, there are many opportunities for students to exhibit their own work in the campus galleries, plus additional opportunities for students to show their own work in exhibition spaces in the Twin Cities' extensive art scene. Gallery assistantships, internships and Teaching

Assistant opportunities are available to all students who seek them.

Additional requirements

Required Events

Given the rich resources available both on campus and in the Twin Cities, students taking classes in the department of Art and Design are required to attend Art Events each semester. The specific semester opportunities and required number of events are made available at the start of each semester and can be found on the Department's Moodle page.

Sophomore and Junior Reviews

Each spring semester, students with sophomore and junior level standing are required to participate in a review process. Students are asked to bring in their best work, focusing on the work that characterizes their specific interests and are asked to write a formal statement on their artistic process, why they selected specific pieces, and the material and visual ideas they are investigating. Completion of Junior Review is a prerequisite for ART 495 Senior Seminar.

Senior Thesis Defense, Exhibition and Public Reception

In ART 495 Senior Seminar, students are required to create a dynamic major visual project and write a thesis about their work that discusses central ideas, related bodies of scholarship, and design and/or art historical context. At the conclusion of Senior Seminar, they present both their work and written thesis to the art faculty. Work that passes the thesis defense is then prepared for exhibition in a group show. This includes arranging, installing, lighting, and preparing didactics for the show. Students also discuss their work and written thesis at the Public Reception.

Studio Equipment and Homework Requirements

All studio equipment for the following courses is provided on campus:

- ART 202A: Drawing
- ART 204A: Clay Forms
- ART 205A: Screen Printing
- ART 206A: Sculpture

- ART 210A: Painting
- ART 211A: Printmaking
- ART 250A: Photography

Students should plan to complete all homework in the studio space appropriate for each course.

- DES 105: All software is provided on campus in the Design Center computer lab. Students should plan to be on campus to complete their homework in this space or obtain a personal subscription to Adobe Creative cloud if they desire to work off campus.

Majors in Art and Design

- B.A. in Art (p. 81)
- B.A. in Art Therapy (non-licensure) (p. 82)
- B.A. in Graphic Design (p. 83)
- B.F.A. in Art (p. 84)

Minors in Art and Design

- Art History (p. 85)
- Graphic Design (p. 85)
- Photojournalism (p. 191)
- Studio Art (p. 85)

ARH 222 • Survey of Art History 4 Credits

Survey of history from prehistoric painting to the contemporary period, examining major developments, artists, aesthetic concepts, stylistic practices, and use of materials. Compares the way material use and thematic ideas are addressed in different historical and geographic regions around the globe.
Offered: Spring.

ARH 236UZ • Medieval Worlds: Cultures and Beliefs in North Africa and Europe 4 Credits

On-site investigation of the artistic and historical legacy of medieval North Africa and Europe. How southern Spain's multifaceted Christians, Muslims, and Jews influenced, sometimes conflicted, and collaborated with each other. Studies the artistic, archaeological, and historical legacy of these interactions through readings, research, presentations, and creative expression.
Prerequisites: GES 130 or GES 149. Offered: January, even # years. Special Notes: This course carries cross-credit with history.

ARH 305 • History of Design 4 Credits

Examination of the history of design from the invention of writing to interactive digital spaces. Looking at the development of aesthetics, materials, style, and function in design as it shifts in response to cultural and historical changes.
Offered: Fall.

ARH 440 • Topics in Art History 4 Credits

Art history investigation focused on a specific time period, culture, medium, or theme designed to provide students with a deep knowledge of the major features, artists, and contexts of the designated topic. Specific topics will be announced prior to registration.
Offered: Spring, odd # years. Special Notes: This course is repeatable for credit.

ART 110 • Foundations: The Elements and Principles of Art & Design 4 Credits

An exploration of material expression in two and three-dimensional form, including the elements and principles of design, diverse materials and media, color theory, experimentation, and critique. Developmental approaches to formal and expressive forms of artmaking are explored in both solo and collaborative projects.
Offered: Fall, Spring.

ART 202A • Drawing 4 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.
Offered: Fall, Spring.

ART 204A • Clay Forms 4 Credits

Explores hand building and wheel throwing techniques in the formation of archetypal ceramic forms and processes.
Offered: Fall, Spring.

ART 205A • Screen Printing 4 Credits

Screen printing as a means of creating hand-printed multi-color fine art prints. Methods include handmade and photo emulsion stenciling and studio art practice.
Offered: January.

ART 206A • Sculpture 4 Credits

Sculptural concepts, processes, and materials are used within a guided studio experience that includes an introduction to public art.
Offered: Fall, Occasionally spring. Special Notes: Specific fabrication skills are not required.

ART 210A • Painting 4 Credits

An introduction to the fundamentals of painting and personal painting practices. Students will develop subject matter as well as the ability to organize pictorial space and compositional ideas.

Offered: Fall, Spring.

ART 211A • Printmaking 4 Credits

Hand-printing processes with an emphasis on drawing and composition. Experience in such media as etching, lithography, woodcut, linocut, collagraphy, monotype and color printing.

Offered: Fall, Occasionally spring.

ART 240 • Creative Practices 4 Credits

Exploration of creative processes that moves past introductory ways of generating visual ideas to developing self-sustaining and self-directed investigation and enriching techniques for the artist.

Corequisites: Another 200-level or above ART or DES course, recommended course be taken sophomore year. Offered: Spring.

ART 250A • Photography 4 Credits

Photography as a means of aesthetic and conceptual ideas within the fine arts, rather than for family and vacation snapshots, through both digital and analog forms. Includes technical instruction in camera operation, black and white film developing, printing, and basic Adobe Photoshop. Introduction to photo history and contemporary theory.

Offered: Fall, Spring.

ART 306 • Guided Practice: Sculpture and Ceramics 4 Credits

Self-directed studio projects are pursued with particular focus on individual growth and development. Art for public spaces is more fully engaged, with students making works for specific audiences and locations.

Prerequisites: ART 204A or ART 206A. Offered: Fall. Special Notes: This course is repeatable for credit.

ART 310 • Guided Practice: Painting 4 Credits

A continued exploration of painting, including various material experiments and exposure to new processes. Emphasis on the development of visual vocabulary and understanding of contemporary issues in painting. Invention and investigation are stressed.

Prerequisites: ART 210A. Offered: Spring. Special Notes: This course is repeatable for credit.

ART 312 • Guided Practice: Works on Paper 4 Credits

Advanced work in selected media with emphasis on individual research and development.

Prerequisites: ART 202A or ART 211A. Offered: Fall. Special Notes: This course is repeatable for credit.

ART 336 • Guided Practice: Photography 4 Credits

Individual aesthetic and conceptual development within the photographic medium, advanced skills in digital or black and white wet photography processes, and investigation of photo history and critical theory (as it relates to photography).

Prerequisites: ART 250A. Offered: Spring. Special Notes: This course is repeatable for credit.

ART 481 • Internship in Art 1-4 Credits

Educational and practical experience in applying understanding and skill in an off-campus, professional setting. An internship can be arranged in advertising studios, agencies, printmaking studios, artists' studios, and art museums. Supervised by an art faculty member.

Prerequisites: Five studio art courses; Major in art; Consent of department. Offered: Fall or Spring.

ART 495 • Senior Seminar 4 Credits

Development of creative independence, culminating in an individual thesis defense.

Prerequisites: ART 240; Major in the Art and Design department; Completion of Junior Review; Consent of department. Offered: Fall.

ART 498 • Professional Practices: Making Art Your Career 2-4 Credits

Prepares students to continue their own studio practice after graduation and graduate school, exhibitions, grants, and residencies. Teaches students the skills for presenting their work in a professional and compelling manner within the forms and procedures expected from the art world.

Prerequisites: Major in the Department of Art and Design, Consent of department. Offered: Spring.

ATH 200 • Introduction to Art Therapy 4 Credits

Introduces the field of art therapy through theory, history, principles, and practices. Engages these topics through reading, writing, lecture, discussion, and experiential exercises. Explores the various techniques and qualities of various art media, and how they impact the healing process.

Offered: Spring, even # years.

ATH 481 • Internship in Art Therapy 3-4 Credits
Students participate in internships in approved settings to include: museums, galleries, libraries, hospitals, clinics, and therapy centers. Students gain first-hand knowledge, experience, and skills in the practice of art therapy. Internship sites are approved professional settings and supervised by Bethel faculty and site supervisors.
Prerequisites: ATH 200. *Offered:* Fall, Spring.

DES 105 • Introduction to Digital Media 4 Credits
Understand the tools and concepts of digital art-making and graphic design with an emphasis on foundational proficiency in industry standard software and hardware. Utilize and combine digital tools to solve visual and technical problems as part of a growing design and studio art practice.
Offered: Fall, Spring.

DES 150 • Typography 4 Credits
Typography—the visual presentation of language—is a foundational component of graphic design. Identify and investigate basic principles and communicative potential through project-based exploration of the following topics: terminology, letterforms, readability, hierarchy, structure, visual syntax, history, and context.
Offered: Spring.

DES 212 • Graphic Design I 4 Credits
Explore the foundational visual components of design and their communicative and creative potential through visual experiments, isolated studies, and careful observation. Develop original content through a design process that includes idea generation, material experimentation, evaluation, and iteration.
Prerequisites: DES 105. *Offered:* Fall, Spring.

DES 312 • Graphic Design II 4 Credits
Combine and extend basic design and typography principles through a range of real-world project scenarios. Engage with clients and manage projects from initial ideation through production stages. Special attention to strategizing, problem-defining and solving, collaboration, client interaction, and production.
Prerequisites: DES 150 and DES 212. *Offered:* Fall.

DES 324 • Interactive Design 4 Credits
Develop and maintain a variety of interactive projects including websites, digital publishing, interactive documents, and applications. Work collaboratively to strategize solutions for complex projects that identify and respond to users' needs. Understand and adapt to the rapid evolution of technology through research and self-teaching.
Prerequisites: DES 312 or *Consent of instructor.*
Offered: Fall.

DES 412 • Graphic Design III 4 Credits
Engage complex open-ended design problems in a collaborative environment. Utilize research, prototyping, and user interaction to develop efficient and scalable solutions. Develop personal design approach, values, ethical convictions, and portfolio materials.
Prerequisites: DES 312 or *Consent of instructor.*
Offered: Spring.

DES 481 • Internship in Design 1-4 Credits
Educational and practical experience in applying understanding and skill in a professional setting. An internship can be arranged in a design studio, advertising firm, non-profit organization, or other appropriate workplace. Supervised by a design faculty member.
Prerequisites: Five DES courses or *Consent of instructor; Major in graphic design.* *Offered:* Fall, Spring.

B.A. in Art

Code	Title	Credits
Major in Art (B.A.)		
ARH 222	Survey of Art History	4
Choose one Art History course 200-level or above		4
ART 110	Foundations: The Elements and Principles of Art & Design	4
ART 202A	Drawing	4
ART 206A	Sculpture	4
ART 210A	Painting	4

B.A. in Art Therapy (non-licensure) 82

ART 211A	Printmaking	4
ART 240	Creative Practices ¹	4
ART 250A	Photography	4
ART 495	Senior Seminar	4
ART 498	Professional Practices: Making Art Your Career	2-4
Electives from ART and DES courses, with 12 credits 200 level or above in ART courses:		16

Code	Title	Credits
Major		58-60
General Education *		48-56
Electives		8-14
Total Credits		122

¹ Must be taken concurrently with a 200-level or above ART or DES course. Recommended taken sophomore year.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Art and a B.A. in Art Therapy.

Students may not declare a B.A. in Art and a B.F.A. in Art.

Students may not declare a B.A. in Art and a Minor in Art History.

Students may not declare a B.A. in Art and a Minor in Studio Art.

B.A. in Art Therapy (non-licensure)

Code	Title	Credits
Major in Art Therapy (B.A.) (non-licensure)		
ARH 222	Survey of Art History	4
ART 110	Foundations: The Elements and Principles of Art & Design	4
ART 202A	Drawing	4
ART 204A	Clay Forms	4
ART 210A	Painting	4
ART 240	Creative Practices ¹	4
ART 250A	Photography	4
Choose from one of the following courses:		4
ART 306	Guided Practice: Sculpture and Ceramics	
ART 310	Guided Practice: Painting	
ART 312	Guided Practice: Works on Paper	
ART 495	Senior Seminar	4
ART 498	Professional Practices: Making Art Your Career	2
One ART elective course		4
ATH 200	Introduction to Art Therapy	4
ATH 481	Internship in Art Therapy	3-4
CHL 110	Introduction to Healthcare	2
EDU 331	Teaching and Learning	2
PSY 101	Introduction to Psychology I	2
PSY 102	Introduction to Psychology 2	2
PSY 203	Lifespan Development	4

PSY 230M	Introduction to Statistical Methods and Experimental Design	4
PSY 300	Psychopathology	4
PSY 305	Personality	2
PSY 400	Principles of Counseling and Psychotherapy	2

Code	Title	Credits
Major		73-74
General Education *		44-52
Electives		0-4
Total Credits		122-125

¹ Must be taken concurrently with a 200-level ART or DES course. Recommended to be taken sophomore year.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Art Therapy and a B.A. in Art. Students may not declare a B.A. in Art Therapy and a Minor in Studio Art.

While an undergraduate degree in Art Therapy equips students for a variety of career opportunities, a Master's degree is necessary for licensure as an Art Therapist. The major in Art Therapy (non-licensure) provides students with the foundational coursework and internship experience necessary to prepare them well for successful graduate study in this field.

B.A. in Graphic Design

Code	Title	Credits
Major in Graphic Design (B.A.)		
ARH 305	History of Design	4
ART 110	Foundations: The Elements and Principles of Art & Design	4
ART 211A	Printmaking	4
ART 240	Creative Practices ¹	4
ART 250A	Photography	4
ART 495	Senior Seminar	4
ART 498	Professional Practices: Making Art Your Career	2-4
BUS 220	Principles of Marketing	4
DES 105	Introduction to Digital Media	4
DES 150	Typography	4
DES 212	Graphic Design I	4
DES 312	Graphic Design II	4
DES 324	Interactive Design	4
DES 412	Graphic Design III	4
Choose 3 ART elective courses. One course must be 300 level or above:		12

Code	Title	Credits
Major		66-68
General Education *		48-56
Electives		0-6
Total Credits		122

¹ Must be taken concurrently with a 200-level ART or DES course. Recommended to be taken sophomore year.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Graphic Design and a Minor in Graphic Design.

B.F.A. in Art

Code	Title	Credits
Major in Art (B.F.A)		
ARH 222	Survey of Art History	4
Choose two Art History courses 200-level or above		8
ART 110	Foundations: The Elements and Principles of Art & Design	4
ART 202A	Drawing	4
ART 206A	Sculpture	4
ART 210A	Painting	4
ART 211A	Printmaking	4
ART 240	Creative Practices ¹	4
ART 250A	Photography	4
ART 495	Senior Seminar	4
ART 498	Professional Practices: Making Art Your Career	4
Choose any ART or DES courses or Internship:		20
Code		
Title		
Credits		
Major		68
General Education *		48-56
Electives		0-6
Total Credits		122-124

¹ Must be taken concurrently with a 200-level or above ART or DES course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.F.A. in Art and a B.A. in Art. Students may not declare a B.F.A. in Art and Minor in Art History. Students may not declare a B.F.A. in Art and a Minor in Studio Art.

Minor in Art History

Code	Title	Credits
Minor in Art History		
ARH 222	Survey of Art History	4
ARH 305	History of Design	4
ARH 440	Topics in Art History	4
ART 110	Foundations: The Elements and Principles of Art & Design	4
ART or DES or ARH elective		4
Total Credits		20

Students may not declare a B.A. in Art and a Minor in Art History.

Students may not declare a B.F.A. in Art and a Minor in Art History.

Minor in Graphic Design

Code	Title	Credits
Minor in Graphic Design		
ARH 305	History of Design	4
ART 110	Foundations: The Elements and Principles of Art & Design	4
DES 105	Introduction to Digital Media	4
DES 150	Typography	4
DES 212	Graphic Design I	4
DES 312	Graphic Design II	4
Total Credits		24

Students may not declare a B.A. in Graphic Design and a Minor in Graphic Design.

Minor in Studio Art

Code	Title	Credits
Minor in Studio Art		
ART 110	Foundations: The Elements and Principles of Art & Design	4
ART 202A	Drawing	4
Art History course		4
ART electives (minimum 12 credits, at least 4 of which must be 200 level or above)		12
Total Credits		24

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Art and Minor in Studio Art.

Students may not declare a B.F.A. in Art and Minor in Studio Art.

Biblical and Theological Studies

Biblical and Theological Studies (<https://www.bethel.edu/undergrad/academics/biblical-theological/>) 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 Greek, one of the languages in which the Christian Scriptures were written.

Besides its service to students within the liberal arts curriculum, the Biblical and Theological Studies department 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.

Majors in Biblical and Theological Studies

- B.A. in Biblical and Theological Studies (p. 91)
- B.A. in Missional Ministries (p. 91)

Minor in Biblical and Theological Studies

- Biblical and Theological Studies (p. 92)

BIB 101 • Introduction to the Bible 4 Credits

Exploration of connections between key portions of the Bible and challenges faced by students in their own lives. Students trace the journey of God's people from Abraham and Sarah through the New Testament church, tracing God's self-disclosure through biblical cultures and their genres of writing.

Offered: Fall, January, Spring, Summer.

BIB 102 • Introducción a la Biblia 4 Credits

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

Prerequisites: SPA 340U or Consent of instructor.

Offered: Fall. Special Notes: Instruction is in Spanish. Special Notes: This course carries cross credit in languages and cultures.

BIB 212 • Reading the Hebrew Bible 4 Credits

Study of select foundational themes and difficult areas for Christians reading the Hebrew Bible today, with an introduction to a range of methods in interpretation. Topics discussed may include: creation, capital punishment, social justice, violence and holy war, and the status of women.

Prerequisites: BIB 101. Offered: Fall or Spring.

BIB 230Z • Israel Study Tour 4 Credits

Historical geography and onsite 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.

Prerequisites: BIB 101. Offered: Occasionally January.

BIB 240 • Topics in Biblical Studies 4 Credits

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

Prerequisites: BIB 101. Offered: Fall, January, Spring.

BIB 260 • The Life and Teachings of Jesus 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.

Prerequisites: BIB 101. Offered: Fall or Spring.

BIB 265 • The Life and Teachings of Paul 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.

Prerequisites: BIB 101. *Offered:* Fall or Spring.

BIB 304 • Messianic Concepts 4 Credits

Development of such terms as “Son of Man,” “Son of God,” and “Messiah” are traced from origins in Old Testament texts of poetry and prophecy to New Testament fulfillment in the Gospels and Epistles.

Prerequisites: BIB 101. *Offered:* Occasionally.

BIB 306 • Covenant, Promise, and Fulfillment 4

Credits

Major covenants between God and humans in both the Old and New Testaments. Relationships between these covenants, especially regarding the theme of promise and fulfillment.

Prerequisites: BIB 101. *Offered:* Occasionally.

BIB 309 • A Biblical Theology of Poverty 4 Credits

Responses to poverty in the Old Testament, intertestamental literature, and the New Testament in light of the socioeconomic setting of these records. Construction of a biblical perspective and implications for Christian communities in North America.

Prerequisites: BIB 101 and GES 149 or GES 160 and Sophomore standing. *Offered:* Fall or Spring.

Special Notes: This course carries cross credit with theological studies.

BIB 310 • Holiness in Biblical Perspective 4

Credits

Exegetical and theological foundations underlying the biblical notion of holiness in both the Old and New Testaments. Biblical texts in their historical-cultural contexts, with a view to uncovering biblical understandings of holiness and integrating them into a Christian worldview.

Prerequisites: BIB 101. *Offered:* Occasionally.

BIB 312 • Female and Male in Biblical Perspective 4

Credits

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

Prerequisites: BIB 101. *Offered:* Occasionally.

BIB 316 • Vocation and Calling: A Biblical Perspective 4 Credits

An investigation of the biblical understandings of vocation and calling in both Old and New Testaments. Examination of foundational issues such as definitions of ministry, personal and spiritual gifting, the role of the church in contemporary context, and calling and vocation as they relate to being Christ-followers.

Prerequisites: BIB 101. *Offered:* Occasionally.

BIB 326 • The Prophets of Israel 4 Credits

The meaning of prophecy and the function of prophets in Israel. Analysis of context and message of selected Hebrew prophets and the nature of Hebrew poetry used by the prophets. Textual studies focused on historical understandings, relating them to the New Testament and contemporary Christian life.

Prerequisites: BIB 101. *Offered:* Spring, even # years.

BIB 331G • Cultural and Literary World of the New Testament 4 Credits

Study of the way in which the cultural and literary worlds of the New Testament inform the understanding of key New Testament texts.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course.* *Offered:* Fall or Spring.

BIB 334G • Cultural and Literary World of the Old Testament 4 Credits

Study of the way in which the cultural and literary worlds of the Old Testament inform the understanding of key Old Testament texts.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course.* *Offered:* Fall or Spring.

BIB 336 • Poetic Books of the Old Testament 4

Credits

A study of Job, Psalms, Proverbs, Ecclesiastes, and Song of Songs. Understanding the structure, message, and nature of Hebrew poetry. Textual studies focused on historical understandings, relating them to contemporary Christian life.

Prerequisites: BIB 101. *Offered:* Spring, odd # years.

BIB 375 • First Corinthians 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.

Prerequisites: BIB 101. *Offered:* Spring, even # years.

BIB 499 • Departmental Capstone 4 Credits

Selected topics related broadly to the areas of ministry, Bible, and theology. A major research project in consultation with department faculty is followed by an oral and written presentation of its results.

Prerequisites: Major in biblical and theological studies or missional ministries and Senior standing.

Offered: Spring. Special Notes: Carries cross-credit with missional ministries and theological studies.

GRK 101 • Introductory Biblical Greek I 4 Credits

Study of New Testament Greek for beginning students. Use of the New Testament to build a basic vocabulary and understanding of the elements of grammar and syntax.

Offered: Fall.

GRK 102S • Introductory Biblical Greek II 4 Credits

Continuation of the study of New Testament Greek for beginning students. Use of the New Testament to build a basic vocabulary and understanding of the elements of grammar and syntax.

Prerequisites: GRK 101. Offered: Spring.

GRK 103 • Introduction to Biblical Greek 1A for Spanish Speakers 2 Credits

Provides Spanish-speaking students (or non-native speakers or Spanish majors who have gained proficiency in the language) with a basic introduction to New Testament (Koine) Greek. Focus on vocabulary building, comprehension of basic grammatical concepts and practice in translating passages from the Greek New Testament.

Prerequisites: Consent of instructor. Offered: Occasionally.

GRK 104 • Introduction to Biblical Greek 1B for Spanish Speakers 2 Credits

Provides Spanish-speaking students (or non-native speakers or Spanish majors who have gained proficiency in the language) with a basic introduction to New Testament (Koine) Greek. Focus on vocabulary building, comprehension of basic grammatical concepts and practice in translating passages from the Greek New Testament.

Prerequisites: GRK 103 or Consent of instructor. Offered: Occasionally.

GRK 105 • Introduction to Biblical Greek IIA for Spanish Speakers 2 Credits

Second half of a two-part introduction to New Testament (Koine) Greek. Greek II focuses on vocabulary building, comprehension of basic grammatical concepts, and practice in translating passages from the Greek New Testament, with special focus on the latter.

Prerequisites: GRK 104 or Consent of instructor. Offered: Occasionally.

GRK 106 • Introduction to Biblical Greek IIB for Spanish Speakers 2 Credits

Second half of a two-part introduction to New Testament (Koine) Greek. Greek II focuses on vocabulary building, comprehension of basic grammatical concepts, and practice in translating passages from the Greek New Testament, with special focus on the latter.

Prerequisites: GRK 105 or Consent of instructor. Offered: Occasionally.

HEB 101 • Introductory Biblical Hebrew I 4 Credits

Study of Old Testament Hebrew. Designed for the beginning student. The Old Testament is used to build a basic vocabulary and understanding of the language's phonology, morphology, basic syntax, and semantics.

Offered: Occasionally.

HEB 102S • Introductory Biblical Hebrew II 4 Credits

Further study of Old Testament Hebrew. Designed for the beginning student. The Old Testament is used to build a basic vocabulary and understanding of the language's phonology, morphology, basic syntax, and semantics.

Prerequisites: HEB 101. Offered: Occasionally.

MIN 200 • A Framework for Life: The Christian Life, Vocation, and Ministry 4 Credits

Introduction to the theology and practice of ministry. Presents a conceptual, theological, and biblical understanding of ministry. Develop a usable, working philosophy of ministry and a model for critical thinking about the practice of contemporary ministry.

Prerequisites: BIB 101 (may be taken concurrently). Offered: Fall.

MIN 210 • Adolescent Development and the Family 4 Credits

Understanding child/adolescent development in the physical, cognitive, moral, psychosocial, cultural, and spiritual arenas, along with examining family social systems and family dynamics. Focus on application to practical ministry.

Prerequisites: MIN 200. *Offered:* Fall, odd # years.

MIN 215 • The Influential Life: Leadership and Ministry 4 Credits

Exploration of the task of leadership through the lens of ministry. Presents practical theologies of leadership to assist students in on-going work of discerning capacities for leadership in variety of settings. Emphasis given to pastoral, parachurch, non-profit, and missional leadership. Explores ministry as a career through personality assessments and job shadowing.

Prerequisites: MIN 200 or Consent of instructor. *Offered:* Spring.

MIN 320 • The Spiritual Life: Formation and Ministry 4 Credits

Dynamics of spiritual development and faith formation. Review of biblical, historical, and theological models as well as contemporary social science research. Emphasizes the spiritual and faith formation of both ministers and those to whom they minister, and the interrelatedness of evangelism and discipleship as well as counseling and referral.

Prerequisites: MIN 200. *Offered:* Fall.

MIN 328 • The Missional Life: Mission of God and Ministry 4 Credits

Explores the doctrine of the Trinity and its connections to the missio Dei (mission of God) and how God's mission influences our thinking and practice as the church, with a special emphasis on the context of North America.

Prerequisites: BIB 101 or THE 201 and Junior standing. *Offered:* Spring.

MIN 330 • Teaching in Ministry Contexts 4 Credits

Preparation and delivery of presentations enabling students to teach effectively in various settings. Develop theology and philosophy of teaching and learning. Improving skills in teaching small and large groups, facilitating discussion, adapting curriculum to audiences and contexts, and self-analysis. Emphasis on biblical themes of reconciliation, diversity, and justice.

Prerequisites: MIN 200. *Offered:* Fall, even # years.

MIN 385 • The Global Life: World Christianity and Ministry 4 Credits

Exploration of the theological themes and ministry practices arising from World Christianity. Attention is given to how context shapes ministry praxis, and how the intercultural task of theology and ministry is generative for faithful ministry.

Prerequisites: MIN 200 or Consent of instructor. *Offered:* Fall.

MIN 483 • Ministry Internship I 2 Credits

Explores ministry as a career through a supervised ministry internship, seminars, readings, and reflections. Reflection especially on defining current sense of calling.

Prerequisites: MIN 200; MIN 215. *Offered:* Fall. *Special Notes:* This course is graded on an S/U basis.

MIN 484 • Ministry Internship II 2 Credits

Explores ministry as a career through a supervised ministry internship, seminars, readings, and reflections. Students integrate various components of their missional ministries major.

Prerequisites: MIN 200; MIN 215; MIN 483. *Offered:* Spring. *Special Notes:* This course is graded on an S/U basis.

MIN 499 • Departmental Capstone 4 Credits

Selected topics related broadly to the areas of ministry, Bible, and theology. A major research project in consultation with department faculty is followed by an oral and written presentation of its results.

Prerequisites: Major in biblical and theological studies or missional ministries and Senior standing. *Offered:* Spring. *Special Notes:* This course carries cross credit with biblical studies and theological studies.

REL 202 • Introduction to Religious Studies 4 Credits

An introduction to the world's religious traditions and the history and methods of religious studies as a discipline. Using primary and secondary sources, focus is on affirmations regarding ultimate reality as it relates to the meaning and purpose of human existence within various religious and cultural contexts.

Prerequisites: GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). *Offered:* Fall or Spring.

REL 212U • History of Islam 4 Credits

Islam from its inception and development to Islam as it is practiced today. Interaction 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.

Prerequisites: GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). *Offered:* Spring. *Special Notes:* This course carries cross-credit in history.

REL 328G • Muslim Women in History 4 Credits

Global survey of the lives of Muslim women from the 7th century to the present. Examination of how Muslim women's lives have historically been shaped by their social context, with particular attention to religious interpretation and expression, culture, ethnicity, and geographic location.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course.* *Offered:* Occasionally. *Special Notes:* This course carries cross-credit in history.

THE 201 • Christian Theology 4 Credits

Investigates central themes of the Christian faith from a primarily systematic perspective. Topics include: Scripture, God, the person and work of Jesus Christ, salvation, and last things. Emphasis on the unity and diversity of theological beliefs within Christianity, and on the interrelationships among theological understanding, culture, and discipleship.

Prerequisites: BIB 101 and *Sophomore standing.* *Offered:* Fall, January, Spring.

THE 215L • Survey of Historical Theology in Global Perspective 4 Credits

The global historical development of Christian thought from Early Church to Reformation and into the post-Reformation era of the contemporary contexts. Includes overview of major figures and developments in diverse contexts.

Prerequisites: BIB 101 and THE 201, or *Consent of instructor;* GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). *Offered:* Fall or Spring.

THE 240 • Topics in Theology 4 Credits

Study of a theological area or topic. The specific topic is announced when the course is offered.

Prerequisites: THE 201. *Offered:* Fall or Spring.

THE 256L • Christian Apologetics 4 Credits

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:* GES 130; GES 160 (may be taken concurrently) or GES 145 (may be taken concurrently). *Offered:* Fall, January, Spring.

THE 263 • Christian Social Ethics 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.

Prerequisites: BIB 101 and THE 201 or *Consent of instructor.* *Offered:* Fall.

THE 309 • A Biblical Theology of Poverty 4 Credits

Responses to poverty in the Old Testament, intertestamental literature, and the New Testament in light of the socioeconomic setting of these records. Construction of a biblical perspective and implications for Christian communities in North America.

Prerequisites: BIB 101 and GES 160 or GES 149 and *Sophomore standing.* *Offered:* Fall or Spring. *Special Notes:* This course carries cross credit with biblical studies.

THE 315 • Contemporary Theological Issues 4 Credits

Theoretical and practical engagement with the academic disciplines of theology. Considers contemporary theological issues facing the 21st century church and explores current research and writing in the fields of theology.

Prerequisites: THE 201 or *Consent of the instructor.* *Offered:* Spring.

THE 326G • Christian Theology in Africa, Asia, and Latin America 4 Credits

Introduces major theological themes and theories that have emerged in the socio-political and cultural contexts of sub-Saharan Africa, Asia, and Latin America. Offers critical and constructive dialogue with key theological themes and issues in Black, Feminist, Liberation, Dalit, and African theologies.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course.* *Offered:* Fall.

THE 499 • Departmental Capstone 4 Credits

Selected topics related broadly to the areas of ministry, Bible, and theology. A major research project in consultation with department faculty is followed by an oral and written presentation of its results.

Prerequisites: Major in biblical and theological studies or missional ministries and Senior standing.

Offered: Spring. Special Notes: This course carries cross credit with biblical and theological studies and missional ministries.

B.A. in Biblical and Theological Studies

Code	Title	Credits
Major in Biblical and Theological Studies (B.A.)		
BIB 101	Introduction to the Bible	4
THE 201	Christian Theology	4
Departmental Core Courses		
BIB 240	Topics in Biblical Studies	4
BIB 331G	Cultural and Literary World of the New Testament	4
BIB 334G	Cultural and Literary World of the Old Testament	4
BIB/THE 499	Departmental Capstone	4
THE 263	Christian Social Ethics	4
THE 326G	Christian Theology in Africa, Asia, and Latin America	4
Biblical and Theological Studies departmental electives		8
Code		
Title		Credits
Major		40
General Education *		36-44
Electives		38-46
Total Credits		122

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Biblical and Theological Studies and a Minor in Biblical and Theological Studies.

B.A. in Missional Ministries

Code	Title	Credits
Major in Missional Ministries (B.A.)		
BIB 101	Introduction to the Bible	4
MIN 200	A Framework for Life: The Christian Life, Vocation, and Ministry	4
MIN 215	The Influential Life: Leadership and Ministry	4
MIN 320	The Spiritual Life: Formation and Ministry	4
MIN 328	The Missional Life: Mission of God and Ministry	4

Minor in Biblical and Theological Studies 92

MIN 385	The Global Life: World Christianity and Ministry	4
MIN 483	Ministry Internship I	2
MIN 484	Ministry Internship II	2
MIN 499	Departmental Capstone	4
THE 201	Christian Theology	4
8 credits from Biblical & Theological Studies Elective courses		8

Code	Title	Credits
Major		44
General Education		40-48
Electives		30-38
Total Credits		122

Minor in Biblical and Theological Studies

Code	Title	Credits
Minor in Biblical and Theological Studies		
BIB 101	Introduction to the Bible	4
THE 201	Christian Theology	4
One BIB course		4
One THE course		4
One Biblical and Theological Studies elective at the 300 level or above		4
Total Credits		20

Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Biblical and Theological Studies and a Minor in Biblical and Theological Studies.

B.S. in Biochemistry/Molecular Biology

The Biochemistry/Molecular Biology major is the in-depth study of the chemical processes that underlie all living systems in the world. As collaborative programs of the Biological Sciences (<https://www.bethel.edu/undergrad/academics/biology/>) and Chemistry (<https://www.bethel.edu/undergrad/academics/chemistry/>) departments, they are an ideal choice for students in the health sciences and in pre-professional programs such as medicine, dentistry, law, and pharmacy.

Code	Title	Credits
Major in Biochemistry/Molecular Biology (B.S)		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
BIO 332 & BIO 333	Genetics and Genetics Lab ⁴	4
BIO 354 & BIO 355	Cell Biology and Cell Biology Lab	4
BIO 396 & BIO 397	Molecular Biology and Molecular Biology Lab	4
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 200	Laboratory Safety and Chemical Hygiene	1
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	4
CHE 312 & CHE 313	Quantitative Analysis and Quantitative Analysis Lab	4
CHE 344 & CHE 345	Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab	4
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab	4
CHE 396 & CHE 397	Biochemistry II and Biochemistry II Lab	4
MAT 124M	Calculus 1 ³	4
MAT 125	Calculus 2	4
Choose one of the following sequences: ²		8
PHY 202 & PHY 202D & PHY 206 & PHY 207	Introductory Physics I and Introductory Physics I Lab and Introductory Physics II and Introductory Physics II Lab	
or		
PHY 292 & PHY 292D & PHY 296 & PHY 297	General Physics I and General Physics I Lab and General Physics II and General Physics II Lab	

Choose one of the following sequences: 4-6

BIO 399 Introduction to Research
& BIO 495 and Biology Seminar
& BIO 496 and Biology Research
& BIO 497 and Advanced Biology Research
& BIO 499 and Symposium⁵

or

CHE 395 Chemistry Seminar: Research and Professional Development
& CHE 490 and Chemistry Seminar: Research
& CHE 494 and Chemistry Seminar: Research Presentation⁶

Code	Title	Credits
Major		73-75
General Education *		40-48
Electives ¹		1-7
Total Credits		122

¹ BIO 234 is recommended.

² Students planning to attend graduate school are strongly encouraged to take PHY 292/PHY 292D and PHY 296/PHY 297.

³ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

⁴ BIO 218 or BIO 120/BIO 120D is a prerequisite for this course.

⁵ BIO 218 is a prerequisite for BIO 399.

⁶ Biochemistry/Molecular Biology students who select Chemistry Seminar will qualify for the ACS-accredited degree by completing CHE 364 in addition to those required by the major.

* Courses whose number is followed by a letter fulfill a General Education requirements. Students may not declare a B.S. in Biochemistry/Molecular Biology and a B.A. in Biochemistry. Students may not declare a B.S. in Biochemistry/Molecular Biology and a Minor in Biology. Students may not declare a B.S. in Biochemistry/Molecular Biology and a Minor in Chemistry.

Biological Sciences

The programs in Biology (<https://www.bethel.edu/undergrad/academics/biology/>) provide a broad background in the biological sciences with opportunity for greater depth of study and experience in selected areas. The upper level curriculum is organized into environmental, organismic, and cell-molecular areas of study, while the 100-level courses are integrated across these three sub-disciplines. 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, pursue careers in medical technology, or allied health areas, do laboratory research, or engage in environmental science careers in government and private industry.

Advanced Placement: The biological sciences programs require a score of 4 or better on the AP exam in order for the exam to be used to fulfill course requirements in the majors. Students with a score of 3 will receive elective credit or receive credit toward General Education requirements. Students should consult the program personnel with questions on AP exams and requirements for majors.

Majors in Biological Sciences

- B.A. in Biology (p. 101)
- B.S. in Biochemistry/Molecular Biology (p. 93)
- B.S. in Biology (p. 103)
- B.S. in Environmental Science (p. 192)
- B.S. in Neuroscience (p. 245)

Minor in Biological Sciences

- Biology (p. 108)

BIO 100 • Principles of Biology 3 Credits

The 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.

Corequisites: Concurrent registration in BIO 100D is required. Offered: Occasionally.

BIO 100D • Principles of Biology Lab 1 Credit

Laboratory experience accompanying BIO 100.

Corequisites: Concurrent registration in BIO 100 is required. Offered: Occasionally.

BIO 104 • Human Biology 3 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.

Corequisites: Concurrent registration in BIO 104D is required. Offered: Fall, Spring.

BIO 104D • Human Biology Lab 1 Credit

Laboratory experience accompanying BIO 104.

Corequisites: Concurrent registration in BIO 104 is required. Offered: Fall, Spring.

BIO 105 • Medical Terminology 2 Credits

Study of medical terms. Students study material independently and take proctored examination to demonstrate knowledge of medical language.

Prerequisites: Consent of instructor. Offered: Fall, Spring.

BIO 114D • Introduction to Biodiversity, Ecology, and Adaptation 4 Credits

An introduction to the diversity, interrelationships, and origins of living organisms. Focuses on three themes: an overview of the 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.

Offered: Occasionally.

BIO 120 • Introduction to Molecular and Cellular Biology 3 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.

Corequisites: Concurrent registration in BIO 120D is required. Offered: Fall, Spring. *Special Notes:* This course is intended for nursing and other science related majors.

BIO 120D • Introduction to Molecular and Cellular Biology Lab 1 Credit

Laboratory experience accompanying BIO 120.
Corequisites: Concurrent registration in BIO 120 is required. Offered: Fall, Spring.

BIO 122 • Introduction to Organismic Biology 3 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- and long-term fluctuations in the external environment.
Corequisites: Concurrent registration in BIO 122D is required. Offered: Fall, Spring.

BIO 122D • Introduction to Organismic Biology Lab 1 Credit

Laboratory experience accompanying BIO 122.
Corequisites: Concurrent registration in BIO 122 is required. Offered: Fall, Spring.

BIO 124 • Integrative Biology: Genes, Cells, Change 3 Credits

In a complex world, understanding challenges like infectious disease or environmental change requires a fundamental knowledge of biology. Using relevant examples, students explore molecules, DNA, biotechnology, evolution, populations, ecosystems, disease, and human systems (e.g., digestive, immune) to gain a perspective on global health and personal responsibility to life.
Prerequisites: Major in biology, environmental science, biochemistry/molecular biology, neuroscience, human bioenergetics, rehabilitation and movement science, or minor in biology.
Corequisites: Concurrent registration in BIO 124D is required. Offered: Fall, Spring.

BIO 124D • Integrative Biology: Genes, Cells, Change Lab 1 Credit

Laboratory experience accompanying BIO 124.
Corequisites: Concurrent registration in BIO 124. Offered: Fall, Spring.

BIO 128 • Integrative Biology: Metabolism, Energy, Biodiversity 3 Credits

Living organisms face challenges requiring them to either adapt, move, acclimate, or perish. Through real-world examples, students will gain a fundamental understanding of homeostasis, enzymes, metabolism, energy flow, movement, human systems (e.g., circulatory, nervous, excretory), photosynthesis, cellular respiration, extinction, biodiversity, transformation of matter, and acclimation.
Prerequisites: Major in biology, environmental science, biochemistry/molecular biology, neuroscience, human bioenergetics, rehabilitation and movement science, or a minor in biology.
Corequisites: Concurrent registration in BIO 128D is required. Offered: Fall, Spring.

BIO 128D • Integrative Biology: Metabolism, Energy, Biodiversity Lab 1 Credit

Laboratory experience accompanying BIO 128.
Corequisites: Concurrent registration in BIO 128. Offered: Fall, Spring.

BIO 132 • The Science of Birds 3 Credits

An overview of the Minnesota avifauna and bird biology. Bird identification is discussed and practiced in the field. Selected topics from bird biology (e.g., migration, flight, reproduction, behavior, food, and conservation) are presented through lectures, numerous slide shows, and videos. Topics provide an introduction to the prevailing themes in modern biology.
Corequisites: Concurrent registration in BIO 132D is required. Offered: Occasionally.

BIO 132D • The Science of Birds Lab 1 Credit

Laboratory experience accompanying BIO 132.
Corequisites: Concurrent registration in BIO 132 is required. Offered: Occasionally.

BIO 214 • Human Anatomy 3 Credits

Detailed study of the anatomy and histology of the human body in relation to its functional systems. Laboratory includes human cadaver prosections.
Prerequisites: One of the following: BIO 104/BIO 104D, BIO 120/BIO 120D, BIO 122/BIO 122D, BIO 124/BIO 124D, BIO 128/BIO 128D. Corequisites: Concurrent registration in BIO 215 is required.
Offered: Fall, Spring. Special Notes: Not open to students who have taken BIO 238/BIO 239 except by department consent.

BIO 215 • Human Anatomy Lab 1 Credit

Laboratory experience accompanying BIO 214.
Corequisites: Concurrent registration in BIO 214 is required. Offered: Fall, Spring.

BIO 216 • Human Physiology 3 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.

Prerequisites: BIO 214/BIO 215 and one of the following: BIO 104/BIO 104D, BIO 120/BIO 120D, BIO 124/BIO 124D, BIO 218, NSC 130/NSC 130D. *Corequisites:* Concurrent registration in BIO 217 is required. *Offered:* Fall, Spring. *Special Notes:* Not open to students who have taken BIO 238/BIO 239 except by department consent. A course in chemistry is a recommended prerequisite.

BIO 217 • Human Physiology Lab 1 Credit

Laboratory experience accompanying BIO 216.

Corequisites: Concurrent registration in BIO 216 is required. *Offered:* Fall, Spring.

BIO 218 • Biology in a Changing World 3 Credits

Through the exploration of interactions between genes and their environments, students articulate integrative topics (e.g., evolution, transformation of matter and energy, information flow, systems and structure/function), identify career options and desired skill sets, make a growth plan and articulate an intellectual autobiography, including faith integration.

Prerequisites: BIO 120/BIO 120D and BIO 122/BIO 122D or BIO 124/BIO 124D and BIO 128/BIO 128D. *Offered:* Fall, Spring.

BIO 234 • Microbiology 3 Credits

Microorganisms and viruses with respect to their structure, physiology, genetics, identification, control, host-microbe relationships, and exploitation by humans. Topics include pathogenic organisms, the infectious diseases they cause, and the events and products of vertebrate immune responses.

Prerequisites: BIO 218 (may be taken concurrently) or BIO 120/BIO 120D and one course in chemistry (A second course in chemistry is recommended.) *Corequisites:* Concurrent registration in BIO 235 is required. *Offered:* Fall, Spring.

BIO 235 • Microbiology Lab 1 Credit

Laboratory experience accompanying BIO 234.

Corequisites: Concurrent registration in BIO 234 is required. *Offered:* Fall, Spring.

BIO 238 • Human Anatomy and Physiology 3 Credits

Anatomy and physiology of the human body, with a major emphasis on the principle of homeostasis.

Prerequisites: One of the following: BIO 104/BIO 104D, BIO 120/BIO 120D, BIO 122/BIO 122D, BIO 218 (may be taken concurrently). *Corequisites:* Concurrent registration in BIO 239 is required. *Offered:* Spring. *Special Notes:* A course in chemistry is a recommended prerequisite. Not open to students who have taken BIO 214/BIO 215 or BIO 216/BIO 217.

BIO 239 • Human Anatomy and Physiology Lab 1 Credit

Laboratory experience accompanying BIO 238.

Corequisites: Concurrent registration in BIO 238 is required. *Offered:* Spring.

BIO 316 • Wildlife Ecology and Management 3 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.

Prerequisites: BIO 218 (may be taken concurrently) and junior or senior standing. *Corequisites:* Concurrent registration in BIO 317 is required. *Offered:* Spring, even # years. *Special Notes:* Carries cross-credit in environmental science.

BIO 317 • Wildlife Ecology and Management Lab 1 Credit

Laboratory experience accompanying BIO 316. Includes some outdoor and off-campus investigations.

Corequisites: Concurrent registration in BIO 316 is required. *Offered:* Spring, even # years. *Special Notes:* Carries cross-credit in environmental science.

BIO 318KZ • Ecology in the Tropics: Natural History and Future Prospects 4 Credits

Travel in Ecuador or Kenya surveying the land, climate, plants, animals, homes, transportation, and industries, noting especially the impact of human presence. Ecuador includes the Amazon rainforest, Andean cloud forests, volcanic mountains, highlands, towns, cities, and the Galapagos Islands. Kenya includes Nairobi, African savanna, the Rift Valley, and Masai Mara.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. *Offered:* January. *Special Notes:* Carries cross-credit in environmental science and general studies.

BIO 326 • Vertebrate Histology 3 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.

Prerequisites: BIO 214/BIO 215 or BIO 218.

Corequisites: Concurrent registration in BIO 327 is required. Offered: Occasionally.

BIO 327 • Vertebrate Histology Lab 1 Credit

Laboratory experience accompanying BIO 326.

Corequisites: Concurrent registration in BIO 326 is required. Offered: Occasionally.

BIO 328 • Invertebrate Biology 3 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.

Prerequisites: BIO 218 (may be taken concurrently).

Corequisites: Concurrent registration in BIO 329 is required. Offered: Spring, odd # years.

BIO 329 • Invertebrate Biology Lab 1 Credit

Laboratory experience accompanying BIO 328.

Corequisites: Concurrent registration in BIO 328 is required. Offered: Spring, odd # years.

BIO 330 • Ecology 3 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.

Prerequisites: BIO 218 (may be taken concurrently).

Corequisites: Concurrent registration in BIO 331 is required. Offered: Fall, odd # years. *Special Notes:* This is a designated research course. This course carries cross credit in environmental science.

BIO 331 • Ecology Lab 1 Credit

Laboratory experience accompanying BIO 330.

Corequisites: Concurrent registration in BIO 330 is required. Offered: Fall, odd # years. *Special Notes:* Carries cross-credit in environmental science.

BIO 332 • Genetics 3 Credits

Principles that control inheritance, with examples chosen from plant and animal research, population genetics, cytogenetics, molecular genetics, and current work on human genetics.

Prerequisites: BIO 218 (may be taken concurrently) or BIO 120/BIO 120D and Two courses in chemistry.

Corequisites: Concurrent registration in BIO 333 is required. Offered: Fall.

BIO 333 • Genetics Lab 1 Credit

Laboratory experience accompanying BIO 332.

Corequisites: Concurrent registration in BIO 332 is required. Offered: Fall.

BIO 338 • Endocrinology 3 Credits

Processes by which hormones exert control over many aspects of reproduction, development, growth, metabolism, and behavior. Topics include the chemical nature of hormones, receptors and signaling pathways, morphology and histology of endocrine organs, regulation of hormone synthesis and secretion, and mechanism of action in target tissues.

Prerequisites: BIO 218 (may be taken concurrently) or NSC 130/NSC 130D or BIO 120/BIO 120D and BIO 122/BIO 122D.

Corequisites: Concurrent registration in BIO 339 is required. Offered: Fall, even # years. *Special Notes:* A course in physiology is a recommended prerequisite.

BIO 339 • Endocrinology Lab 1 Credit

Laboratory experience accompanying BIO 338.

Work is largely experimental, using bioassay procedures.

Corequisites: Concurrent registration in BIO 338 is required. Offered: Fall, even # years.

BIO 342 • Aquatic Biology 3 Credits

Biological and physical aspects of natural, freshwater 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.

Prerequisites: BIO 218 (may be taken concurrently).

Corequisites: Concurrent registration in BIO 343 is required. Offered: Fall, even # years.

BIO 343 • Aquatic Biology Lab 1 Credit

Laboratory experience accompanying BIO

342. Includes some outdoor and off-campus investigations.

Corequisites: Concurrent registration in BIO 342 is required. Offered: Fall, even # years.

BIO 346 • Animal Behavior 3 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.

Prerequisites: PSY 101 or BIO 218 (may be taken concurrently); Junior or senior standing. *Corequisites:* Concurrent registration in BIO 347 is required. *Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit in psychological sciences.

BIO 347 • Animal Behavior Lab 1 Credit

Laboratory experience accompanying BIO 346. *Corequisites:* Concurrent registration in BIO 346 is required. *Offered:* Fall, even # years. *Special Notes:* This course carries cross credit in psychological sciences.

BIO 350 • Clinical Pathophysiology 4 Credits

An exploration of disease processes exploring the functional and structural changes that accompany a particular injury, disease, or syndrome, as well as the differences in physiologic response to health and illness in diverse populations across the lifespan from a healthcare perspective.

Prerequisites: Acceptance into the nursing program or Consent of instructor. *Corequisites:* Concurrent registration in NUR 202 and NUR 302. *Offered:* Spring.

BIO 354 • Cell Biology 3 Credits

The molecular organization and function of cells and their organelles. Exploration of how cell biology information is obtained experimentally.

Prerequisites: CHE 224/CHE 225; BIO 218 (may be taken concurrently) or BIO 332/BIO 333 or both PSY 101 and NSC 130/NSC 130D. *Corequisites:* Concurrent registration in BIO 355 is required. *Offered:* Spring. *Special Notes:* This is a designated research course.

BIO 355 • Cell Biology Lab 1 Credit

Laboratory experience accompanying BIO 354. *Corequisites:* Concurrent registration in BIO 354 is required. *Offered:* Spring. *Special Notes:* This is a designated research course.

BIO 358 • Neurobiology 3 Credits

Nervous system of animals and humans from the sub cellular to organismic and behavioral levels. Includes significant attention to the senses as well as mechanisms of neuronal communication, plasticity, and memory.

Prerequisites: BIO 218 (may be taken concurrently) or PSY 101 and NSC 130/NSC 130D; Junior or senior standing. *Corequisites:* Concurrent registration in BIO 359 is required. *Offered:* Fall. *Special Notes:* This course carries cross-credit in neuroscience.

BIO 359 • Neurobiology Lab 1 Credit

Laboratory experience accompanying BIO 358. *Corequisites:* Concurrent registration in BIO 358 is required. *Offered:* Fall. *Special Notes:* This course carries cross-credit in neuroscience.

BIO 362 • Developmental Biology 3 Credits

Developmental biology asks "How does a single fertilized egg give rise to all the different cell, tissue, and organ types of the adult organism?" Developmental processes resulting in different cell, organ, and tissue types and the mechanisms underlying those processes studied at the cellular, genetic, molecular, and biochemical levels.

Prerequisites: BIO 120/BIO 120D or BIO 124/BIO 124D; BIO 218 (may be taken concurrently) or 8 credits of BIO courses not including BIO 124/BIO 124D and BIO 128/BIO 128D; Two courses in chemistry. *Corequisites:* Concurrent registration in BIO 363 is required. *Offered:* Spring, even # years. *Special Notes:* This is a designated research course.

BIO 363 • Developmental Biology Lab 1 Credit

Laboratory experience accompanying BIO 362. Includes surgical manipulation of living organisms to elucidate developmental principles. *Corequisites:* Concurrent registration in BIO 362 is required. *Offered:* Spring, even # years. *Special Notes:* This is a designated research course.

BIO 368 • Structure and Development of Vertebrates 3 Credits

An integrated and systematic approach to descriptive embryology and comparative anatomy of vertebrate species.

Prerequisites: BIO 218 (may be taken concurrently). *Corequisites:* Concurrent registration in BIO 369 is required. *Offered:* Fall, odd # years.

BIO 369 • Structure and Development of Vertebrates Lab 1 Credit

Laboratory experience accompanying BIO 368. *Corequisites:* Concurrent registration in BIO 368 is required. *Offered:* Fall, odd # years.

BIO 372 • Plant Taxonomy and Ecology 3 Credits
Identification and distribution of flowering plants, including field work, keying, and laboratory preservation. Biogeography and factors important in plant distribution.

Prerequisites: BIO 218 (may be taken concurrently).
Corequisites: Concurrent registration in BIO 373 is required. Offered: Fall, odd # years.

BIO 373 • Plant Taxonomy and Ecology Lab 1 Credit

Laboratory experience accompanying BIO 372. Course includes outdoor and off-campus activities.

Corequisites: Concurrent registration in BIO 372 is required. Offered: Fall, odd # years.

BIO 376 • Animal Physiology 3 Credits

Comparative physiology of animal nerves, muscles, hormones, circulation, respiration, excretion, digestion, and the way those systems function intact with processes of feeding, energetics, osmoregulation, metabolism, locomotion, biomechanics, and temperature regulation necessary for an organism's survival.

Prerequisites: Two courses in chemistry and BIO 218 (may be taken concurrently) or both PSY 101 and NSC 130/NSC 130D. *Corequisites:* Concurrent registration in BIO 377 is required. Offered: Spring, even # years.

BIO 377 • Animal Physiology Lab 1 Credit

Laboratory experience accompanying BIO 376.

Corequisites: Concurrent registration in BIO 376 is required. Offered: Spring, even # years.

BIO 380 • Environmental Plant Biology 3 Credits

Explores the significant roles plants play in the environment: driving and responding to carbon, water availability, nutrient levels, and light. The influence of abiotic factors on photosynthetic pathways, productivity, and the movement of matter and energy reveal how plants respond to rapid environmental changes. Includes work with data and statistics.

Prerequisites: BIO 218 (may be taken concurrently) and One semester of chemistry. *Corequisites:* Concurrent registration in BIO 383 is required. Offered: Spring, odd # years. *Special Notes:* This is a designated research course.

BIO 383 • Environmental Plant Biology Lab 1 Credit

Laboratory experience accompanying BIO 380. Includes some outdoor and off-campus investigations.

Corequisites: Concurrent registration in BIO 380 is required. Offered: Spring, odd # years. *Special Notes:* This is a designated research course.

BIO 384 • Immunology 3 Credits

Study of the molecular and cellular mechanisms that allow organisms to recognize, control, and eliminate "nonself" entities such as bacterial pathogens, foreign tissue grafts, and even transformed (cancerous) cells.

Prerequisites: Two semesters of chemistry and either BIO 218 (may be taken concurrently) or BIO 120/BIO 120D and BIO 122/BIO 122D. *Corequisites:* Concurrent registration in BIO 387 is required. Offered: Fall, odd # years. *Special Notes:* This is a designated research course. One of the following courses is a strongly recommended prerequisite: BIO 234/BIO 235, BIO 332/BIO 333, BIO 354/BIO 355.

BIO 387 • Immunology Lab 1 Credit

Laboratory experience accompanying BIO 384.

Corequisites: Concurrent registration in BIO 384 is required. Offered: Fall, odd # years. *Special Notes:* This is a designated research course.

BIO 396 • Molecular Biology 3 Credits

Modern advanced molecular genetic research. Topics include regulation of gene expression during development, molecular biology of cancer, animal virology, eukaryotic gene organization, and methods in gene manipulation.

Prerequisites: BIO 124/BIO 124D; BIO 128/BIO 128D; CHE 224/CHE 225; one additional BIO course (BIO 332/BIO 333 is recommended). *Corequisites:* Concurrent registration in BIO 397 is required. Offered: Spring. *Special Notes:* This is a designated research course.

BIO 397 • Molecular Biology Lab 1 Credit

Laboratory experience accompanying BIO 396. Consists of research projects utilizing recombinant DNA/genetic engineering techniques.

Corequisites: Concurrent registration in BIO 396 is required. Offered: Spring. *Special Notes:* This is a designated research course.

BIO 399 • Introduction to Research 2 Credits

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: BIO 218 and Major in one of the following: biology or biochemistry/molecular biology or environmental studies; Junior standing. *Offered:* Fall, Spring. *Special Notes:* Carries cross-credit in environmental studies.

BIO 409 • Advanced Human Gross Anatomy 3 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 of their significance to the body.

Prerequisites: BIO 214/BIO 215 or Consent of instructor. *Corequisites:* Concurrent registration in BIO 410 is required. *Offered:* January.

BIO 410 • Advanced Human Gross Anatomy Lab 1 Credit

Laboratory experience accompanying BIO 409. *Corequisites:* Concurrent registration in BIO 409 is required. *Offered:* January.

BIO 481 • Internship in Biology 3-4 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 and junior or senior standing. *Offered:* Fall, Spring, Summer.

BIO 495 • Biology Seminar 2 Credits

Readings and discussions of topics that relate biology to one's Christian faith.

Prerequisites: BIO 399; Senior standing. *Offered:* Fall, Spring.

BIO 496 • Biology Research 1 Credit

Students collect original data through independent laboratory research or field research under the supervision of a faculty member.

Prerequisites: BIO 399; Completion or co-completion of a designated research course; Consent of instructor. *Offered:* Fall, Spring, Summer. *Special Notes:* May be repeated once for credit. This course carries cross credit with environmental science.

BIO 497 • Advanced Biology Research 1 Credit

Working under the supervision of a faculty mentor, students analyze the results of their original research completed in BIO 496 and write up their findings in a formal scientific paper. Results are presented in class and sometimes outside venues.

Prerequisites: BIO 496 and Consent of instructor. *Offered:* Fall, Spring, Summer.

BIO 499 • Symposium 0 Credit

The presentation of scientific research or internship experience. Culminates in a departmental symposium in which students present their original research or internship experience.

Prerequisites: BIO 497 or BIO 481. *Offered:* Fall, Spring. *Special Notes:* This course carries cross-credit in environmental studies. This course is graded on an S/U basis.

B.A. in Biology

Code	Title	Credits
Major in Biology (B.A.)		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
BIO 218	Biology in a Changing World	3
BIO 399	Introduction to Research	2
BIO 495	Biology Seminar	2
BIO 499	Symposium	0
Choose an applied experience:		2-4
BIO 481	Internship in Biology	

BIO 496 & BIO 497	Biology Research and Advanced Biology Research
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Choose one course from each of the following three areas, at least one of which must be a designated research course

Environmental area courses: 4

BIO 316 & BIO 317	Wildlife Ecology and Management and Wildlife Ecology and Management Lab
BIO 318KZ	Ecology in the Tropics: Natural History and Future Prospects
BIO 328 & BIO 329	Invertebrate Biology and Invertebrate Biology Lab
BIO 330 & BIO 331	Ecology and Ecology Lab ¹
BIO 342 & BIO 343	Aquatic Biology and Aquatic Biology Lab
BIO 346 & BIO 347	Animal Behavior and Animal Behavior Lab
BIO 372 & BIO 373	Plant Taxonomy and Ecology and Plant Taxonomy and Ecology Lab
BIO 380 & BIO 383	Environmental Plant Biology and Environmental Plant Biology Lab ¹

Courses from Au Sable Institute of Environmental Studies

Organismic area courses: 4

BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab ³
BIO 238 & BIO 239	Human Anatomy and Physiology and Human Anatomy and Physiology Lab
BIO 326 & BIO 327	Vertebrate Histology and Vertebrate Histology Lab
BIO 338 & BIO 339	Endocrinology and Endocrinology Lab
BIO 358 & BIO 359	Neurobiology and Neurobiology Lab
BIO 368 & BIO 369	Structure and Development of Vertebrates and Structure and Development of Vertebrates Lab
BIO 376 & BIO 377	Animal Physiology and Animal Physiology Lab

Cell and molecular area courses: 4

BIO 234 & BIO 235	Microbiology and Microbiology Lab
BIO 332 & BIO 333	Genetics and Genetics Lab
BIO 354 & BIO 355	Cell Biology and Cell Biology Lab ^{1,4}
BIO 362 & BIO 363	Developmental Biology and Developmental Biology Lab ¹
BIO 384 & BIO 387	Immunology and Immunology Lab ¹

BIO 396 & BIO 397	Molecular Biology and Molecular Biology Lab ^{1, 4}	
CHE 304 & CHE 397	Essentials of Biochemistry and Biochemistry II Lab ⁵	
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab ²	
Electives from 200 level or above biology courses		16
Two chemistry courses, excluding CHE 200		8

Code	Title	Credits
Major		53-55
General Education *		44-52
Electives		17-23
Total Credits		122

¹ This is a designated research course.

² CHE 226/CHE 227 is a prerequisite for this course.

³ BIO 214/BIO 215 is a prerequisite for this course.

⁴ CHE 224/CHE 225 is a prerequisite for this course.

⁵ Students requiring CHE 397 for their degree will require an override to take this course concurrently with CHE 304.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Biology and a B.S. in Biology.

Students may not declare a B.A. in Biology and a Minor in Biology.

B.S. in Biology

Code	Title	Credits
Major in Biology (B.S.)		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
BIO 218	Biology in a Changing World	3
BIO 399	Introduction to Research	2
BIO 495	Biology Seminar	2
BIO 499	Symposium ¹	0
Choose an applied experience:		2-4
BIO 481	Internship in Biology	
BIO 496 & BIO 497	Biology Research and Advanced Biology Research	
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
Choose one of the following Physics courses:		4

PHY 202 Introductory Physics I
& PHY 202D and Introductory Physics I Lab ²

PHY 292 General Physics I
& PHY 292D and General Physics I Lab ¹

Code	Title	Credits
Major		33-35
Emphasis		40
General Education *		44-52
Electives		0-3
Total Credits		122-125

¹ MAT 124M is a prerequisite for this course.

² MAT 121M, or MAT 124M, or solid understanding and competency in high school mathematics as demonstrated by at least one of the following: A Math ACT score of at least 23, 519 on the Math portion of the SAT, or a Math Placement Test score of at least 2 is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Biology and a B.S. in Biology.

Students may not declare a B.S. in Biology and a Minor in Biology.

Cellular/Molecular Biology Emphasis (40 credits)

Code	Title	Credits
BIO 234 & BIO 235	Microbiology and Microbiology Lab	4
BIO 332 & BIO 333	Genetics and Genetics Lab	4
BIO 354 & BIO 355	Cell Biology and Cell Biology Lab	4
BIO 396 & BIO 397	Molecular Biology and Molecular Biology Lab	4
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	4
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab	4
CHE 396 & CHE 397	Biochemistry II and Biochemistry II Lab	4
Choose three courses from the following:		12
BIO 338 & BIO 339	Endocrinology and Endocrinology Lab	
BIO 358 & BIO 359	Neurobiology and Neurobiology Lab	
BIO 362 & BIO 363	Developmental Biology and Developmental Biology Lab	
BIO 376 & BIO 377	Animal Physiology and Animal Physiology Lab	
BIO 384 & BIO 387	Immunology and Immunology Lab	
MAT 124M	Calculus 1 ¹	

PHY 206 & PHY 207	Introductory Physics II and Introductory Physics II Lab ²	
PHY 296 & PHY 297	General Physics II and General Physics II Lab ³	
Total Credits		40

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

² PHY 202/PHY 202D is a prerequisite for this course.

³ PHY 292/PHY 292D with a C or better and MAT 125 are prerequisites for this course.
Courses whose number is followed by a letter fulfill a General Education requirement.

General Biology Emphasis (40 credits)

Code	Title	Credits
Choose two courses from each of the following three areas, at least one of which must be a designated research course:		
Cell and Molecular area courses:		8
BIO 234 & BIO 235	Microbiology and Microbiology Lab	
BIO 332 & BIO 333	Genetics and Genetics Lab	
BIO 354 & BIO 355	Cell Biology and Cell Biology Lab	
BIO 362 & BIO 363	Developmental Biology and Developmental Biology Lab	
BIO 384 & BIO 387	Immunology and Immunology Lab	
BIO 396 & BIO 397	Molecular Biology and Molecular Biology Lab	
CHE 304 & CHE 397	Essentials of Biochemistry and Biochemistry II Lab	
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab ¹	
Environmental area courses:		8
BIO 316 & BIO 317	Wildlife Ecology and Management and Wildlife Ecology and Management Lab	
BIO 318KZ	Ecology in the Tropics: Natural History and Future Prospects	
BIO 328 & BIO 329	Invertebrate Biology and Invertebrate Biology Lab	
BIO 330 & BIO 331	Ecology and Ecology Lab	
BIO 342 & BIO 343	Aquatic Biology and Aquatic Biology Lab	
BIO 346 & BIO 347	Animal Behavior and Animal Behavior Lab	
BIO 372 & BIO 373	Plant Taxonomy and Ecology and Plant Taxonomy and Ecology Lab	

BIO 380 & BIO 383	Environmental Plant Biology and Environmental Plant Biology Lab	
Courses from Au Sable Institute of Environmental Studies		
Organismic area courses:		8
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab	
BIO 238 & BIO 239	Human Anatomy and Physiology and Human Anatomy and Physiology Lab	
BIO 326 & BIO 327	Vertebrate Histology and Vertebrate Histology Lab	
BIO 338 & BIO 339	Endocrinology and Endocrinology Lab	
BIO 358 & BIO 359	Neurobiology and Neurobiology Lab	
BIO 368 & BIO 369	Structure and Development of Vertebrates and Structure and Development of Vertebrates Lab	
BIO 376 & BIO 377	Animal Physiology and Animal Physiology Lab	
Choose four from the following list, including at least two 300 or 400 level biology courses:		16
AHS 250M	Statistics and Research Methods in Applied Health Sciences	
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	
MAT 207M	Statistical Analysis	
PHY 206 & PHY 207	Introductory Physics II and Introductory Physics II Lab ²	
PHY 296 & PHY 297	General Physics II and General Physics II Lab ³	
PSY 230M	Introduction to Statistical Methods and Experimental Design	
Electives from 300 level or above biology courses excluding BIO 481, BIO 496, and BIO 497:		
Total Credits		40

¹ CHE 226/CHE 227 is a prerequisite for this course.

² PHY 202/PHY 202D is a prerequisite for this course.

³ PHY 296/PHY 297 with a C or better and MAT 125 are prerequisites for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Human Biology/Biomedical Emphasis (40 credits)

Code	Title	Credits
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	4
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab	4
BIO 234 & BIO 235	Microbiology and Microbiology Lab	4

BIO 332 & BIO 333	Genetics and Genetics Lab	4
One of the following courses:		4
CHE 304 & CHE 397	Essentials of Biochemistry and Biochemistry II Lab	
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab ¹	
Choose Five from the following list, including at least two 300 or 400 level BIO courses:		20
AHS 250M	Statistics and Research Methods in Applied Health Sciences	
BIO 326 & BIO 327	Vertebrate Histology and Vertebrate Histology Lab	
BIO 330 & BIO 331	Ecology and Ecology Lab	
BIO 338 & BIO 339	Endocrinology and Endocrinology Lab	
BIO 354 & BIO 355	Cell Biology and Cell Biology Lab	
BIO 358 & BIO 359	Neurobiology and Neurobiology Lab	
BIO 362 & BIO 363	Developmental Biology and Developmental Biology Lab	
BIO 384 & BIO 387	Immunology and Immunology Lab	
BIO 396 & BIO 397	Molecular Biology and Molecular Biology Lab	
BIO 409 & BIO 410	Advanced Human Gross Anatomy and Advanced Human Gross Anatomy Lab ⁴	
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	
MAT 207M	Statistical Analysis	
PHY 206 & PHY 207	Introductory Physics II and Introductory Physics II Lab ²	
PHY 296 & PHY 297	General Physics II and General Physics II Lab ³	
PSY 101 & PSY 102	Introduction to Psychology I and Introduction to Psychology 2	
PSY 230M	Introduction to Statistical Methods and Experimental Design	
Total Credits		40

¹ CHE 226/CHE 227 is a prerequisite for this course.

² PHY 202/PHY 202D is a prerequisite for this course.

³ PHY 292/PHY 292D with a C or better and MAT 125 are prerequisites for this course.

⁴ BIO 214/BIO 215 or Consent of instructor is a prerequisite for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Minor in Biology

Code	Title	Credits
Minor in Biology		
Choose five (5) Biology courses, excluding BIO 481 (of which 3 courses must be 200-level or above)		19-20
Total Credits		19-20

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Biology and a Minor in Biology.

Students may not declare a B.S. in Biology and a Minor in Biology.

Students may not declare a B.S. in Biochemistry/Molecular Biology and a Minor in Biology.

Business

The purpose of the Department of Business (<https://www.bethel.edu/undergrad/academics/business/>) is to engage students, staff, and faculty in the learning, teaching, and application of business knowledge to increase the well-being of humankind. This goal 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 emphases in *Accounting, Business Analysis and Analytics, Finance, Innovation and Entrepreneurship, Managing Organizations and Human Resources, and Marketing*
2. Accounting and Finance
3. Actuarial Science and Finance

In addition to the prescribed coursework, students are required to complete an internship in their area of interest. The minors in Business and Social Media also complement 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.

Majors in Business

- B.A. in Business (p. 115)
- B.S. in Accounting and Finance (p. 118)
- B.S. in Actuarial Science and Finance (p. 69)

Minors in Business

- Business (p. 119)
- Social Media (p. 139)

BUS 100 • Business Calculus 2 Credits

A non-trigonometric-based introduction to the concepts of the derivative and integral with a focus on application in business and economics.
Prerequisites: At least two years of high school algebra. Offered: Spring.

BUS 101 • Introduction to Business 4 Credits

Introduction to business and business strategy within the global economic environment. Identification of business structures, market strategies, and the concepts of leadership and management. Exploration of key business functions, typical roles, entry points, and career paths. Application of business evaluation and problem-solving within a Christian worldview.
Offered: Fall, Spring.

BUS 102 • Foundations for Careers in Business 1 Credit

Explores the field of business through a career lens. Develops practical professional skills such as self-awareness, goal identification, teamwork, presenting, listening, and time management. Equips students with personal agency for their future success.
Offered: Fall, January, Spring.

BUS 106 • Introduction to Business Applications 1 Credit

A basic understanding of business applications software. Students gain a working knowledge of word processing, presentation software, spreadsheets, desktop publishing, and Internet research.
Offered: Fall, January, Spring.

BUS 130 • Business Problem Solving 2 Credits

Builds a foundation for understanding and solving business problems. Introduces business concepts and terminology, along with skills needed to solve common business problems. Emphasizes how to identify problems and then apply tools and techniques to solve them. Encourages the development of critical-thinking and decision-making skills needed for success in business.
Offered: Spring.

BUS 201M • Business Math & Statistics 4 Credits

An introductory-level course designed to equip students with the fundamental mathematical and statistical concepts and skills essential for success in various business disciplines. Mathematical topics include algebra, percentages, ratios, markup/markdown, and interest. Statistical topics include descriptive statistics, probability distributions, hypothesis testing, correlation, regression analysis, and basic inferential statistics. Emphasis is placed on real-world scenarios and practical problem-solving skills, analysis and interpretation of data, and the use of Excel and software that are directly applicable to business settings.

Offered: Fall, January, Spring. Special Notes: Students may not receive credit for both BUS 201M and PSY 230M, MAT 207M or AHS 250M.

BUS 202Z • Introduction to International Business 4 Credits

An introduction to international business involving off-campus study exposing 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.

Offered: January.

BUS 210 • Financial Accounting 4 Credits

Basic financial accounting concepts and their application to the recording and reporting of business events.

Prerequisites: BUS 106. Offered: Fall, Spring.

BUS 211 • Managerial Accounting 2 Credits

An introduction to managerial accounting concepts, product/service costing, profitability analysis, budgeting, and performance evaluation. Focus on using financial information for decision-making.

Prerequisites: BUS 210. Offered: Fall, Spring.

BUS 212 • Personal Finance 2 Credits

Management and planning of personal and family finances. Emphasizes budgeting, investments, individual income tax, and insurance.

Offered: January.

BUS 213 • Personal Financial Literacy 4 Credits

Explores fundamental personal financial management topics. Enables learners to make values-based financial decisions. Uses a variety of tools to evaluate risk and make choices regarding debt management, savings, budgeting, investing, and long-range personal financial planning.

Offered: Fall, Spring.

BUS 220 • Principles of Marketing 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: Sophomore standing or Consent of instructor. Offered: Fall, Spring.

BUS 230 • Managing Organizations and People 4 Credits

Fundamentals of managerial activities: planning, organizing, leading, and controlling organizations. Overview of human resource management and how employment laws impact the workplace.

Offered: Fall, Spring.

BUS 232 • Innovation and Entrepreneurship 4 Credits

Practical problems associated with starting and operating a small business, including feasibility analysis, innovation, entrepreneurship, legal and financial aspects, accounting, marketing, and personnel management.

Prerequisites: BUS 220 and BUS 230. Offered: Spring.

BUS 306 • Public Administration 2 Credits

How public policy is put into effect through governmental administrative agencies, the management problems of such agencies, and their relations with the public.

Prerequisites: Sophomore standing. Offered: Spring. Special Notes: Carries cross-credit in political science. POS 100 is a recommended prerequisite.

BUS 309 • Brand Management 2 Credits

Theoretical and practical knowledge necessary for successful management of brands and the creation of strategies that build and preserve brand equity. Introduction of qualitative and quantitative methods of evaluating brand equity, brand strategy at different stages of the product life cycle, developing brand positioning, managing total brand experience and brand relevancy.

Prerequisites: BUS 220. Offered: Fall.

BUS 310 • Intermediate Accounting I 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.

Prerequisites: BUS 210. Offered: Fall.

BUS 311 • Intermediate Accounting II 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.

Prerequisites: BUS 310. *Offered:* Spring.

BUS 314 • Taxation of Individuals 2 Credits

Current tax law as it pertains to individuals. Includes an overview of taxation and tax planning.

Prerequisites: BUS 210. *Offered:* Fall.

BUS 315 • Sales and Sales Management 2 Credits

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.

Prerequisites: BUS 220. *Offered:* Fall.

BUS 317 • Business Analytics 4 Credits

Descriptive and predictive analytics of data and facts to decision-making in business. Techniques of advanced data visualization, use of Excel in analytics, hypothesis testing, and machine learning methods like multiple regression analysis, classification methods and cluster analysis. Uses a variety of business analytics software.

Prerequisites: Junior standing; BUS 201M or MAT 330. *Offered:* Fall, Spring.

BUS 318G • Global Marketing 4 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: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course and BUS 220. *Offered:* Fall, Spring.

BUS 319 • Advertising and Promotion 2 Credits

Principles and techniques of advertising, sales promotion, and public relations. Consideration of customer motivation, ad copy, physical layout of ads and promotional pieces, media selection, advertising budgets, and coordination of advertising and sales promotion campaigns.

Prerequisites: BUS 220. *Offered:* Spring.

BUS 321 • Marketing Research 4 Credits

Marketing research methods, including design, sampling, data collection, and report writing. A research design project is an integral part of the course.

Prerequisites: BUS 201M and BUS 220. *Offered:* Fall, January.

BUS 324 • Consumer Behavior 4 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 major course topics.

Prerequisites: BUS 220. *Offered:* Fall, Spring.

BUS 325 • Business Analysis and Data Management 4 Credits

An understanding of business analysis principles, practices, tools, and techniques. Real-world applications involving the use of Enterprise Business Applications and an Agile project management approach.

Prerequisites: BUS 106 and BUS 230. *Offered:* Fall.

BUS 326 • Business Information Systems 3 Credits

Business information systems and their role in today's organizations. Explores computing hardware, security, networking, databases, enterprise application software, business analysis, project management, and other technology necessary for effective organizations. Strengthens proficiency in business applications.

Prerequisites: BUS 106. *Offered:* Fall, Spring.

BUS 327 • Marketing and Management in Spain 4 Credits

Theoretical and practical concepts of marketing and management in the semi-globalized world. The significant challenges globalization presents to management and marketing, specifically in the context of Spain. Business terminology and reality in a Spanish business environment.

Prerequisites: SPA 202UZ or SPA 261S. *Offered:* Spring. *Special Notes:* This course is only offered as part of the Semester in Segovia program. This course carries cross listing in languages and cultures. This class is taught and assignments are completed in Spanish.

BUS 329 • Student Managed Investment Fund 1 Credit

Students develop investment-related skills, including but not limited to wealth management, relationship management, marketing, operations, performance reporting, quantitative analysis, and economic analysis. These skills are applied as part of the student-managed investment fund and the Royals Investment Fund, LLC (the Fund).

Prerequisites: BUS 210; BUS 344 (may be taken concurrently) and selection by the faculty advisor through an application and interview process; Additional prerequisite for Chief Investment Officer and Fund Managers: BUS 390. Offered: Fall, Spring.

BUS 330 • Compensation and Benefits 4 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, benefits and other reward systems.

Prerequisites: BUS 201M (may be taken concurrently); BUS 230; BUS 344 (may be taken concurrently). Offered: Fall.

BUS 331 • Staffing, Onboarding, and Training 4 Credits

Explore 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 conducting interviews and training. Design a portfolio with staffing, training, and onboarding outcomes.

Prerequisites: BUS 230. Offered: Fall.

BUS 333 • Entrepreneurship Strategies and Tools 4 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.

Prerequisites: BUS 210; BUS 232; ECO 202; ECO 203. Offered: Fall.

BUS 334 • Classic Project Management 2 Credits

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, project authority and politics, and ethics in project execution. Project management software to develop and track project plans for case studies and project simulations utilized.

Prerequisites: BUS 230, COM 248, or COS 277. Offered: Spring.

BUS 335 • Employee and Organization Development 4 Credits

Factors that influence the effectiveness of organizations. Explores methods for diagnosing organizational health and designing interventions for the individual (employee relations; motivation; diversity, equity and inclusion; work-related attitudes), group (teamwork, conflict, cooperation, collaboration), and organizational (culture, change, leadership) levels in order to implement planned organizational change.

Prerequisites: BUS 230. Offered: Spring.

BUS 336 • Agile Project Management 2 Credits

Fundamentals of agile project management principles and best practices. Students will be exposed to the Agile Manifesto, core principles, the mindset required, and the tools needed to successfully implement Agile. The Scrum framework and project management tools will be explored. Agile will be contrasted with the classical planned/waterfall methodology.

Prerequisites: BUS 230, COM 248, or COS 277. Offered: Spring.

BUS 337 • Human Resource Management & Analytics 2 Credits

Evaluate in-depth Human Resource functions developing strategic decision making. Use data and various metrics to understand possible real-world solutions.

Prerequisites: BUS 230 or (COM 248 if a non-business department student). Offered: Fall, Spring.

BUS 344 • Managerial Finance 4 Credits

Principles of financial management, including financial analysis, capital structures, working capital management, and investment decisions.

Prerequisites: BUS 210. Offered: Fall, Spring.

BUS 352 • Financial Modeling & Valuation 4 Credits

Builds on principles of finance through the use of case studies and Excel modeling to identify, quantify, and manage business risks. Includes developing and utilizing intermediate-level financial analysis skills, critical-thinking objectives, and demonstration of an ability to synthesize material into a defined model of financial valuation.

Prerequisites: BUS 344. Offered: Fall, Spring.

BUS 357 • Principles of Digital Marketing 2 Credits

Study of digital marketing strategy, content development, and media channels to help students leverage digital techniques and understand how they integrate with the marketing plan as a whole. Students design and analyze digital campaigns within a team environment. Best practices leveraged as the digital marketplace evolves.

Prerequisites: BUS 220. Offered: Spring. Special Notes: This course carries cross credit in communication studies.

BUS 361 • Business Law 2 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 aspects of the Uniform Commercial Code, and various forms of business organizations. Some aspects of employment and real estate law are also covered.

Prerequisites: BUS 230 and one other 200-level business course. Offered: Fall, Spring.

BUS 362 • Taxation of Business Entities 2 Credits

Current tax law as it pertains to business entities such as corporations and partnerships.

Prerequisites: BUS 314. Offered: Fall.

BUS 390 • Investments 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.

Prerequisites: BUS 344. Offered: Fall, Spring.

BUS 410 • Advanced Accounting 4 Credits

Principles and problems relating to partnerships, international accounting, consolidated financial statements, corporate mergers, and governmental accounting.

Prerequisites: BUS 311 and all business core courses except BUS 481. Offered: Fall.

BUS 414 • Auditing Principles and Procedures 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: BUS 311 and All business core courses except BUS 481 and Senior standing. Offered: Spring.

BUS 416 • Business Forecasting and Data Mining 4 Credits

Develops data wrangling methods, various supervised machine learning methods, model selection and evaluation metrics, and business time-series forecasting using a current programming language. Specific applications include forecasting sales and revenue, economic trends, and classifying outcomes. Uses case studies, real-world data, and relevant software.

Prerequisites: BUS 317; BUS 100 or MAT 124M; COS 101 and Senior standing. Offered: Spring.

BUS 417 • Business Analysis and Analytics Seminar 4 Credits

Capstone course in Business Analysis and Analytics emphasis. Integration of theories and practices learned in other courses through casework and practical exercises focused on equipping students to enter the business analysis, business analytics and business consulting market. Examines ethical questions that influence decision making.

Prerequisites: BUS 317; BUS 334; all business core courses except BUS 481. Offered: Spring.

BUS 420 • Marketing Seminar 4 Credits

Capstone course in the marketing emphasis. Main course elements include case study analysis where students integrate prior course knowledge with relevant brand examples. Students utilize critical and ethical analysis of marketing practices and develop marketing strategies and plans with a real client.

Prerequisites: Four of the following: BUS 309, BUS 315, BUS 318G, BUS 319, BUS 321, BUS 324, or BUS 357; all business core courses except BUS 481; Senior standing. Offered: Fall, Spring.

BUS 430 • Strategic Management 4 Credits

Strategy formulation and implementation for operational management. Includes data analysis and critical thinking decision-making. Complete a simulation with a competitive business strategy. Case analysis of real-world organizations.

Prerequisites: All business core courses except BUS 481. Offered: Spring.

BUS 440 • Capital Markets 4 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.

Prerequisites: All business core courses (except BUS 481); Senior standing; BUS 352 or BUS 390. Offered: Fall, Spring.

BUS 470 • Finance Seminar 4 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: All business core courses (except BUS 481); Senior standing; BUS 352 or BUS 390. Offered: Fall, Spring.

BUS 475 • Innovation and Entrepreneurship Seminar 4 Credits

Development of an individualized and intensive personal business plan as a major course project. Plan is submitted to a panel of entrepreneurs to evaluate as part of a competition. Includes ethical discussions, entrepreneurial guest speakers, and case analyses of entrepreneurial ventures.

Prerequisites: All business core courses (except BUS 481) and BUS 333. Offered: Spring.

BUS 481 • Internship in Business 3-4 Credits

A learning/practicing experience to apply understanding and skills in an off-campus professional setting. Includes participation in an online course with weekly assignments.

Prerequisites: Major or minor within the business department; Completion of 20 credits of BUS/ECO courses; Consent of department. Offered: Fall, Spring, Summer. Special Notes: This course is graded on an S/U basis. May not be transferred into Bethel.

BUS 493 • Capstone: Effective Human Resources Practices 4 Credits

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.

Prerequisites: All business core courses (except BUS 481) and Senior standing in the Managing Organizations and Human Resources emphasis. Offered: Spring.

ECO 202 • Principles of Microeconomics 2 Credits

An introductory course in microeconomics that helps students understand how economic decisions are made by individuals and firms and how these decisions affect the overall functioning of the economy. Topics include: supply and demand, elasticity, government policies, production and cost, market structures, and market failure.

Offered: Fall, Spring. Special Notes: It is expected that students take ECO 202 and ECO 203 in the same term.

ECO 203 • Principles of Macroeconomics 2 Credits

An introductory course in macroeconomics that helps students understand how the economy as a whole functions and how government policies can affect economic outcomes. Topics include: measures of economic aggregates like GDP, inflation, and unemployment, the study of concepts like aggregate demand and supply, and monetary and fiscal policy.

Offered: Fall, Spring. Special Notes: It is expected that students take ECO 202 and ECO 203 in the same term.

ECO 301 • Managerial Economics 2 Credits

Models of consumption, production, and pricing in competitive and noncompetitive markets.

Prerequisites: ECO 202 and ECO 203. Offered: Fall, Spring.

ECO 302 • Intermediate Macroeconomics 2 Credits

Models of real output and monetary behavior. Policies affecting unemployment, inflation, and economic growth.

Prerequisites: ECO 202 and ECO 203. Offered: Fall, Spring.

LEA 101 • Personal Mission and Leadership**Development 2 Credits**

Development of an understanding of personal mission and a study of the application of that mission to leadership. Emphasis is on identifying personal talents and gifts, and developing leadership goals for future roles.

Offered: Fall, Spring.

B.A. in Business

Code	Title	Credits
Major in Business (B.A.)		
Core Courses ^{2,3}		
BUS 102	Foundations for Careers in Business	1
BUS 106	Introduction to Business Applications ⁴	1
BUS 201M	Business Math & Statistics	4
BUS 210	Financial Accounting	4
BUS 211	Managerial Accounting	2
BUS 220	Principles of Marketing	4
BUS 230	Managing Organizations and People	4
BUS 326	Business Information Systems	3
BUS 344	Managerial Finance	4
BUS 361	Business Law	2
BUS 481	Internship in Business ¹	3-4
ECO 202	Principles of Microeconomics	2
ECO 203	Principles of Macroeconomics	2
Code	Title	Credits
Business Core		36-37
Select One Emphasis		28
Business Core and Emphasis		64-65
Code	Title	Credits
General Education [*]		44-52
Electives		6-13
Total Credits		122

¹ To qualify for taking the Certified Public Accounting (CPA) exam, the internship course must be specifically designated as an Internship-Accounting in order to fulfill the rules established by the Minnesota Board of Accountancy. A maximum of six credits for internships can qualify for the 150-credit requirement for CPA licensing.

² Students must earn a minimum grade of C in each of the core courses to graduate.

³ In order to enroll in 400-level BUS and ECO courses (except for BUS 481), students must earn a minimum grade of D in each of the core Business courses.

⁴ Students can choose to take BUS 106 or successfully pass the Approved Assessment for 0 credits.

^{*} Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Business and a Minor in Business.

Students may not declare a B.A. in Business and a B.A. in Business and Political Science.

Accounting Emphasis (28 credits)

Code	Title	Credits
BUS 310	Intermediate Accounting I	4
BUS 311	Intermediate Accounting II	4
BUS 314	Taxation of Individuals	2
BUS 362	Taxation of Business Entities	2
BUS 410	Advanced Accounting	4
BUS 414	Auditing Principles and Procedures	4
ECO 301	Managerial Economics	2
or ECO 302	Intermediate Macroeconomics	
Electives from business and/or economics courses (maximum of 3 credits at the 100-level)		6
Total Credits		28

Business Analysis and Analytics Emphasis (28 credits)

Code	Title	Credits
BUS 100	Business Calculus	2
BUS 317	Business Analytics	4
BUS 325	Business Analysis and Data Management	4
BUS 334	Classic Project Management	2
or BUS 336	Agile Project Management	
BUS 416	Business Forecasting and Data Mining	4
BUS 417	Business Analysis and Analytics Seminar	4
COS 101	Introduction to Procedural Programming	2
ECO 301	Managerial Economics	2
or ECO 302	Intermediate Macroeconomics	
Electives from business and/or economics courses (maximum of 3 credits at the 100-level)		4
Total Credits		28

Finance Emphasis (28 credits)

Code	Title	Credits
BUS 352	Financial Modeling & Valuation	4
BUS 390	Investments	4
BUS 440	Capital Markets	4
BUS 470	Finance Seminar	4
ECO 302	Intermediate Macroeconomics	2
Electives from business and/or economics courses (maximum of 3 credits at the 100-level)		10
Total Credits		28

Innovation and Entrepreneurship Emphasis (28 credits)

Code	Title	Credits
BUS 232	Innovation and Entrepreneurship	4
BUS 333	Entrepreneurship Strategies and Tools	4
BUS 334	Classic Project Management	2
BUS 336	Agile Project Management	2
BUS 337	Human Resource Management & Analytics	2
BUS 475	Innovation and Entrepreneurship Seminar	4
ECO 301	Managerial Economics	2
Choose one of the following Marketing courses:		2
BUS 315	Sales and Sales Management	
BUS 319	Advertising and Promotion	
BUS 357	Principles of Digital Marketing	
Electives from business and/or economics courses (maximum of 3 credits at the 100-level)		6
Total Credits		28

Managing Organizations and Human Resources Emphasis (28 credits)

Code	Title	Credits
BUS 330	Compensation and Benefits	4
BUS 331	Staffing, Onboarding, and Training	4
BUS 335	Employee and Organization Development	4
BUS 337	Human Resource Management & Analytics	2
BUS 430	Strategic Management	4
BUS 493	Capstone: Effective Human Resources Practices	4
ECO 301	Managerial Economics	2
or ECO 302	Intermediate Macroeconomics	
Electives from business and/or economics courses (maximum of 3 credits at the 100-level)		4
Total Credits		28

Marketing Emphasis (28 credits)

Code	Title	Credits
BUS 318G	Global Marketing	4
BUS 321	Marketing Research	4
BUS 324	Consumer Behavior	4
BUS 420	Marketing Seminar	4
ECO 301	Managerial Economics	2
Choose three of the following Marketing Activities courses:		6
BUS 309	Brand Management	
BUS 315	Sales and Sales Management	
BUS 319	Advertising and Promotion	
BUS 357	Principles of Digital Marketing	

Electives from business and/or economics courses (maximum of 3 credits at the 100-level) 4

Total Credits 28

B.S. in Accounting and Finance

Code	Title	Credits
Major in Accounting and Finance (B.S.)		
Core Courses ^{2,3}		
BUS 102	Foundations for Careers in Business	1
BUS 106	Introduction to Business Applications ⁵	1
BUS 201M	Business Math & Statistics	4
BUS 210	Financial Accounting	4
BUS 211	Managerial Accounting	2
BUS 220	Principles of Marketing	4
BUS 230	Managing Organizations and People	4
BUS 326	Business Information Systems	3
BUS 344	Managerial Finance	4
BUS 361	Business Law	2
BUS 481	Internship in Business ⁴	3-4
ECO 202	Principles of Microeconomics	2
ECO 203	Principles of Macroeconomics	2
Additional Required Courses		
BUS 100	Business Calculus	2
BUS 310	Intermediate Accounting I	4
BUS 311	Intermediate Accounting II	4
BUS 314	Taxation of Individuals	2
BUS 317	Business Analytics	4
BUS 352	Financial Modeling & Valuation	4
BUS 362	Taxation of Business Entities	2
BUS 390	Investments	4
BUS 410	Advanced Accounting	4
BUS 414	Auditing Principles and Procedures	4
BUS 440	Capital Markets	4
BUS 470	Finance Seminar	4
ECO 301	Managerial Economics	2
ECO 302	Intermediate Macroeconomics	2
Choose one of the following Business Analysis and Analytics courses:		4
BUS 325	Business Analysis and Data Management	
BUS 416	Business Forecasting and Data Mining ¹	
Code	Title	Credits
Major		86-87
General Education *		44-52

Electives ⁶	12-19
Total Credits	150

¹ COS 101 is a prerequisite for this course.

² In order to enroll in 400-level BUS and ECO courses (except for BUS 481), students must earn a minimum grade of *D* in each of the core Business courses.

³ Students must earn a minimum grade of a C in each of the core Business courses to graduate.

⁴ To qualify for taking the Certified Public Accounting (CPA) exam, the internship course must be specifically designated as an Internship-Accounting in order to fulfill the rules established by the Minnesota Board of Accountancy. A maximum of six credits for internships can qualify for the 150-credit requirement for CPA licensing.

⁵ Students can choose to take BUS 106 or successfully pass the Approved Assessment for 0 credits.

⁶ These electives are a required component of the major. It is recommended that a minor in a discipline other than business be completed to fulfill some of these electives.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.S. in Accounting and Finance and a Minor in Business.

Minor in Business

Code	Title	Credits
Minor in Business		
BUS 106	Introduction to Business Applications ¹	1
BUS 201M	Business Math & Statistics	4
BUS 210	Financial Accounting	4
BUS 220	Principles of Marketing	4
BUS 230	Managing Organizations and People	4
BUS 344	Managerial Finance	4
Choose one of the following courses:		2
BUS 211	Managerial Accounting	
ECO 202	Principles of Microeconomics	
ECO 203	Principles of Macroeconomics	
Total Credits		23

¹ Students can choose to take BUS 106 or successfully pass the Approved Assessment for 0 credits. Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Business and a Minor in Business. Students may not declare a B.A. in Business and Political Science and a Minor in Business. Students may not declare a B.S. in Accounting and Finance and a Minor in Business.

Certificates

Though not required to do so, students may choose to complete one or more certificates in order to pursue areas of interest, or to complement their major(s). Students must choose from the certificates in this catalog and may not create an individualized certificate. Certificates range between 18-34 semester credit hours. Certificates may have additional non-credit requirements. Students may choose to take additional credits toward the certificate or use their elective credits. Upon completion of a degree, a certificate is listed as a comment on the academic transcript.

Bethel University Certificates

- Addiction Studies Certificate (p. 121)
- Alcohol and Drug Counseling Certificate (<http://catalog.bethel.edu/adult-professional-studies/academic-programs-disciplines/human-services/certificate-alcohol-drug-counseling/>)

ADS 445 • Counseling Microskills 4 Credits

An examination of effective counseling skills that combines theoretical understanding and hands-on practice of essential microskills. Engagement in development of “self as the therapist” through reflective practice and observation of self and others.

Prerequisites: Sophomore standing. Offered: Fall.

ADS 450 • Introduction to Addictions Counseling 4 Credits

Examination of addiction from a variety of perspectives and evaluation of the twelve core functions of an addictions counselor. Description of the process of change in the context of the continuum of care. Cultivation of a personal philosophy around spirituality and addiction.

Prerequisites: Sophomore standing. Offered: Fall, Spring, Summer.

ADS 455 • Psychopharmacology of Addiction 4 Credits

Examination of the action and biophysical effects of addictive substances. Evaluation of evidence-based medical treatment options for both addictions and co-occurring disorders. Integration of spirituality with medical approaches to treating addiction in an interculturally sensitive manner.

Prerequisites: Sophomore standing. Offered: Fall, Spring.

ADS 460 • Assessment & Treatment of Co-occurring Disorders 4 Credits

Examination of the assessment and treatment, including identification of the appropriate level of care, for co-occurring disorders of substance use and various psychological disorders. Attention is given to evidence-based practices in treatment planning and intervention.

Prerequisites: Sophomore standing. Offered: Fall, Spring.

ADS 481 • Internship in Addictions Counseling I 4 Credits

Application of theory, interpersonal skills, and professional development skills in a supervised professional addiction counseling setting.

Demonstration of the twelve core functions of LADC (MN Statute 148F.01, subdivision 10). Evaluation of progress toward appropriate development goals. Integration of knowledge, experience, ethics, and faith into a worldview relevant in the addiction counseling setting. 400-hour experience hours required.

Prerequisites: ADS 445; ADS 450; ADS 460; ADS 485. Offered: Fall, Spring, Summer.

ADS 485 • Professional Issues & Ethics 2 Credits

An examination of legal and ethical situations arising in the practice of helping professions, including alignment with the 12 core functions for addictions counseling. Evaluation of legal and ethical issues in professional practice and decision making. Development of goals and strategies for continuing professional, personal, and spiritual growth.

Prerequisites: Sophomore standing. Offered: Spring, Summer.

ADS 491 • Internship in Addictions Counseling II

4 Credits

Application of theory and professional development skills in a supervised professional addiction counseling setting. Demonstration of the twelve core functions of LADC (MN Statute 148F.01, subdivision 10). Evaluation of progress toward appropriate development goals. Integration of knowledge, experience, ethics, and faith into a worldview relevant in the addiction counseling setting. 480-hour experience hours required.

Prerequisites: ADS 481. *Offered:* Fall, Spring, Summer.

Addiction Studies Certificate

The Addiction Studies Certificate and the Alcohol and Drug Counseling Certificate programs offer students a path that prepares them to meet MN state Board of Behavioral Health and Therapy (BBHT) education requirements for licensure as an alcohol and drug counselor (LADC). The Addiction Studies Certificate provides the coursework, while the Alcohol and Drug Counseling Certificate (provided by the College of Adult and Professional Studies) provides the coursework and required practicum hours.

Code	Title	Credits
Certificate in Addiction Studies		
ADS 445	Counseling Microskills	4
ADS 450	Introduction to Addictions Counseling ¹	4
or PSY 310	Addiction and Recovery	
ADS 455	Psychopharmacology of Addiction	4
ADS 460	Assessment & Treatment of Co-occurring Disorders	4
ADS 485	Professional Issues & Ethics	2
Total Credits		18

¹ PSY 101 is a prerequisite for PSY 310.

For more information about the Certificate in Addiction Studies, please see the College of Adult and Professional Studies catalog page (<http://catalog.bethel.edu/adult-professional-studies/academic-programs-disciplines/human-services/addiction-studies-certificate-alcohol-drug-counselor-license/>).

Chemistry

The study of chemistry is concerned with the composition, structure, properties, and transformations of matter. 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 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.

Advanced Placement: The Chemistry Department (<https://www.bethel.edu/undergrad/academics/chemistry/>) requires a score of 4 or better on the AP exam in order for the exam to be used to fulfill course requirements in the majors it offers. Students with a score of 3 will receive elective credit or receive credit toward General - Education requirements. Students should consult the department chair with questions about AP exams and requirements for majors.

Pre-medicine and Other Healthcare Professional Programs

(See Healthcare (p. 207) section)

Chemical Engineering

A bachelor's degree in chemical engineering is available through a special dual degree program described in the Engineering section (p. 171) of this catalog.

Majors in Chemistry

- B.A. in Biochemistry (p. 125)
- B.A. in Chemistry (p. 126)
- B.S. in Biochemistry/Molecular Biology (p. 93)
- B.S. in Chemistry (p. 127)

Minor in Chemistry

- Chemistry (p. 128)

CHE 101 • Introduction to Chemistry 3 Credits
Overview of atoms—their composition, ability to form bonds, and to interact as molecules. Open to all students but tailored for nursing and allied health fields.

Corequisites: Concurrent registration in CHE 101D is required. Offered: Fall, Spring.

CHE 101D • Introduction to Chemistry Lab 1 Credit

Laboratory experience accompanying CHE 101. *Corequisites:* Concurrent registration in CHE 101 is required. Offered: Fall, Spring.

CHE 113 • General Chemistry I 3 Credits
Chemical properties and principles, structure and reactivity, stoichiometry, thermodynamics, atomic and molecular theory, and states of matter.

Prerequisites: Two years of high school math; High school chemistry or Consent of instructor.

Corequisites: Concurrent registration in CHE 113D is required. Offered: Fall, Spring.

CHE 113D • General Chemistry I Lab 1 Credit

Laboratory experience accompanying CHE 113 to improve experimental skills such as accurate observation, data collection, and analysis while mastering techniques used by chemists for the precise measurements of mass, volume, and concentration. Small group collaboration and experimental design are included.

Corequisites: Concurrent registration in CHE 113 is required. Offered: Fall, Spring.

CHE 200 • Laboratory Safety and Chemical Hygiene 1 Credit

High standards of safety and chemical hygiene make the science laboratory a safe, comfortable, interesting place to work. Standards and federal/state guidelines pertaining to safety and hygiene in the laboratory are reviewed.

Prerequisites: One year of high school chemistry and One semester of college-level science. Offered: Fall, Spring.

CHE 214 • General Chemistry II 3 Credits

Study of solutions, chemical kinetics, thermodynamics, solution equilibria, acids and bases, electrochemistry, descriptive inorganic chemistry, and nuclear chemistry.

Prerequisites: CHE 113/CHE 113D. *Corequisites:* Concurrent registration in CHE 215 is required. Offered: Fall, Spring, Occasionally summer.

CHE 215 • General Chemistry II Lab 1 Credit

Laboratory experience accompanying CHE 214. *Corequisites:* Concurrent registration in CHE 214 is required. Offered: Fall, Spring, Occasionally summer.

CHE 224 • Organic Chemistry I 3 Credits

Structure, nomenclature, function, and reactivity of organic compounds. Topics include bonding theory, acid-base reactions, conformational analysis, stereochemistry, nucleophilic substitution and elimination reactions, addition reactions, radical reactions, organic reaction mechanisms, and energy relations.

Prerequisites: CHE 214/CHE 215. *Corequisites:* Concurrent registration in CHE 225 is required. *Offered:* Fall.

CHE 225 • Organic Chemistry I Lab 1 Credit

Laboratory experience accompanying CHE 224. *Corequisites:* Concurrent registration in CHE 224 is required. *Offered:* Fall.

CHE 226 • Organic Chemistry II 3 Credits

Continues Organic Chemistry I by exploring the structure, nomenclature, function, and reactivity of additional organic compounds. Topics include the reactions of aromatic and carbonyl containing compounds, carbon-carbon bond-forming reactions, multi-step synthesis, and polymer chemistry. The chemistry of biological compounds such as carbohydrates, DNA, proteins, and lipids is also studied.

Prerequisites: CHE 224/CHE 225. *Corequisites:* Concurrent registration in CHE 227 is required. *Offered:* Spring.

CHE 227 • Organic Chemistry II Lab 1 Credit

Laboratory experience accompanying CHE 226. Laboratory includes single- and multi-step synthesis, purification, and identification of organic compounds. Infrared spectroscopy, 1D and 2D nuclear magnetic resonance spectroscopy, mass spectroscopy, and computational chemistry used to explore the outcomes of organic reactions and their mechanisms.

Corequisites: Concurrent registration in CHE 226 is required. *Offered:* Spring.

CHE 304 • Essentials of Biochemistry 3 Credits

A survey of the structure, function, interactions, and chemical properties of the four major macromolecules: proteins, nucleic acids, lipids, and carbohydrates. Examination of primary metabolic pathways, bioenergetics, regulation, and homeostasis.

Prerequisites: CHE 224/CHE 225 and BIO 120/BIO 120D or BIO 124/BIO 124D. *Offered:* Spring. *Special Notes:* Not open to students who have taken CHE 388/CHE 389.

CHE 312 • Quantitative Analysis 3 Credits

Principles and practice of modern quantitative analysis. Acid-base and ionic equilibria. Statistics, method selection and development, chromatography, and electrochemistry.

Prerequisites: CHE 214/CHE 215. *Corequisites:* Concurrent registration in CHE 313 is required. *Offered:* Spring.

CHE 313 • Quantitative Analysis Lab 1 Credit

Laboratory experience accompanying CHE 312. *Corequisites:* Concurrent registration in CHE 312 is required. *Offered:* Spring.

CHE 320 • Instrumental Analysis 3 Credits

Methods of instrumental analysis. Study of chemical and physical principles and practical application of spectroscopy, spectrometry, chromatography and electroanalysis. Fundamental electronic circuitry and computer data acquisition and control.

Prerequisites: CHE 226/CHE 227 or CHE 312/CHE 313. *Offered:* Fall, odd # years.

CHE 344 • Thermodynamics, Kinetics, and Statistical Mechanics 3 Credits

Physical chemistry of the laws of thermodynamics and their application to phase and chemical equilibria. Chemical kinetics of reaction rates and reaction mechanisms. Statistical mechanics as it relates spectroscopy with thermodynamics and kinetics.

Prerequisites: CHE 214/CHE 215; PHY 202/PHY 202D; PHY 206/PHY 207 or PHY 292/PHY 292D; PHY 296/PHY 297; MAT 125. *Corequisites:* Concurrent registration in CHE 345 is required. *Offered:* Fall.

CHE 345 • Thermodynamics, Kinetics, and Statistical Mechanics Lab 1 Credit

Laboratory experience accompanying CHE 344. Includes hands-on experience with physicochemical systems and computational modeling.

Corequisites: Concurrent registration in CHE 344 is required. *Offered:* Fall.

CHE 348 • Quantum Chemistry and Spectroscopy 3 Credits

Physical chemistry of the laws of quantum mechanics applied to atoms and molecules. Quantum mechanical solutions of model systems and their application to chemical spectroscopy. Methods of computational chemistry and experience with modern programs.

Prerequisites: CHE 214/CHE 215; [PHY 202/PHY 202D; PHY 206/PHY 207 or PHY 292/PHY 292D; PHY 296/PHY 297]; MAT 125. *Offered:* Spring, even # years.

CHE 364 • Inorganic Chemistry 3 Credits

Chemistry of elements and their compounds, including symmetry, bonding theories, solid-state chemistry, coordination compounds, organometallics, and bioinorganic compounds.

Prerequisites: CHE 344/CHE 345 and CHE 226/CHE 227 or Consent of instructor. *Offered:* Spring, odd # years.

CHE 388 • Biochemistry I 3 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.

Prerequisites: BIO 120/BIO 120D or BIO 124/BIO 124D; CHE 226/CHE 227. *Corequisites:* Concurrent registration in CHE 389 is required. *Offered:* Fall. *Special Notes:* Not open to students who have taken CHE 304. BIO 128/BIO 128D is a recommended prerequisite.

CHE 389 • Biochemistry I Lab 1 Credit

Laboratory experience accompanying CHE 388. *Corequisites:* Concurrent registration in CHE 388 is required. *Offered:* Fall.

CHE 393 • Research 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.

Prerequisites: Consent of department. *Offered:* Fall, January, Spring. *Special Notes:* May only be taken for credit once.

CHE 395 • Chemistry Seminar: Research and Professional Development 1 Credit

Students search the chemical literature and develop a proposal for their capstone research project. Discussion of chemical careers, graduate and professional school preparation, and ethical conduct in science.

Prerequisites: CHE 200 (may be taken concurrently); Junior standing; Major in chemistry or biochemistry/molecular biology. *Offered:* Fall.

CHE 396 • Biochemistry II 3 Credits

Metabolic pathways, bioenergetics, metabolic regulation, and metabolism of macromolecules (carbohydrates, lipids, proteins, and nucleotides). Macromolecular synthesis of RNA, DNA, and proteins, including an introduction to biotechnology.

Prerequisites: CHE 388/CHE 389. *Corequisites:* Concurrent registration in CHE 397 is required. *Offered:* Spring.

CHE 397 • Biochemistry II Lab 1 Credit

Laboratory experience accompanying CHE 396. Laboratory includes mammalian cell culture techniques and bioassays, and plant biochemical techniques including lipid extraction and analysis. RNA and DNA, PCR, and gene expression.

Corequisites: Concurrent registration in CHE 396 is required. *Offered:* Spring.

CHE 490 • Chemistry Seminar: Research 2 Credits

Students pursue an original research project in chemistry or biochemistry supported by a faculty mentor. Required time commitment is approximately 3.5 hours per week per credit, including a weekly meeting with faculty mentor.

Prerequisites: CHE 395 and Consent of instructor. *Offered:* Fall, Spring.

CHE 491 • Research 1-4 Credits

Students pursue an original research project in chemistry or biochemistry supported by a faculty mentor. Required time commitment is approximately 3.5 hours per week per credit, including a weekly meeting with faculty mentor.

Prerequisites: CHE 490 and Consent of department. *Offered:* Fall, January, Spring. *Special Notes:* This course is repeatable for credit.

CHE 494 • Chemistry Seminar: Research Presentation 1 Credit

Students prepare and deliver formal presentations, both oral and written, of their research results. Seminar meets weekly for discussion of current topics.

Prerequisites: CHE 490. Offered: Fall, Spring.

B.A. in Biochemistry

Code	Title	Credits
Major in Biochemistry (B.A.)		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 200	Laboratory Safety and Chemical Hygiene	1
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	4
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab	4
CHE 395	Chemistry Seminar: Research and Professional Development	1
CHE 396 & CHE 397	Biochemistry II and Biochemistry II Lab	4
CHE 490	Chemistry Seminar: Research	2
CHE 494	Chemistry Seminar: Research Presentation	1
Choose one of the following course sequences:		8
PHY 202 & PHY 202D & PHY 206 & PHY 207	Introductory Physics I and Introductory Physics I Lab and Introductory Physics II and Introductory Physics II Lab ¹	
or		
PHY 292 & PHY 292D & PHY 296 & PHY 297	General Physics I and General Physics I Lab and General Physics II and General Physics II Lab ^{2,3}	
Choose from any 300 level applied health science, biology, chemistry, engineering, environmental science, neuroscience, or physics courses with the exception of AHS 303KZ, AHS 393, BIO 318KZ/ENS 318KZ, BIO 399, CHE 393, ENS 335K, and ENS 399		12
Code	Title	Credits
Major		57
General Education *		44-52

Electives	13-21
Total Credits	122

¹ MAT 121M, MAT 124M, or solid understanding and competency in high school mathematics as demonstrated by at least one of the following: a Math ACT score of at least 23, 519 on the Math portion of the SAT, a Math Placement Test score of at least 2 is a prerequisite for PHY 202/PHY 202D.

² MAT 124M is a prerequisite for PHY 292/PHY 292D.

³ MAT 125 is a prerequisite for PHY 296/PHY 297.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Biochemistry and a Minor in Biology.

Students may not declare a B.A. in Biochemistry and a Minor in Chemistry.

B.A. in Chemistry

Code	Title	Credits
Major in Chemistry (B.A.)		
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 200	Laboratory Safety and Chemical Hygiene	1
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	4
CHE 312 & CHE 313	Quantitative Analysis and Quantitative Analysis Lab	4
CHE 344 & CHE 345	Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab	4
CHE 395	Chemistry Seminar: Research and Professional Development	1
CHE 490	Chemistry Seminar: Research	2
CHE 494	Chemistry Seminar: Research Presentation	1
Electives from 300 or 400 level chemistry courses		11
MAT 121M	Precalculus ¹	4
MAT 124M	Calculus 1	4
MAT 125	Calculus 2	4
Choose one of the following course sequences:		8
PHY 202 & PHY 202D & PHY 206 & PHY 207	Introductory Physics I and Introductory Physics I Lab and Introductory Physics II and Introductory Physics II Lab	
or		
PHY 292 & PHY 292D & PHY 296 & PHY 297	General Physics I and General Physics I Lab and General Physics II and General Physics II Lab	

Code	Title	Credits
Major		60
General Education *		40-48
Electives		14-22
Total Credits		122

¹ Students may test into this course via successful completion of the Math and Computer Science department placement exam or by completing MAT 121M and the Math and Computer Science department placement exam requirements.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Chemistry and a B.S. in Chemistry. Students may not declare a B.A. in Chemistry and a Minor in Chemistry.

B.S. in Chemistry

This is an American Chemical Society certified major.

Code	Title	Credits
Major in Chemistry (B.S.)		
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 200	Laboratory Safety and Chemical Hygiene	1
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	4
CHE 312 & CHE 313	Quantitative Analysis and Quantitative Analysis Lab	4
CHE 320	Instrumental Analysis	3
CHE 344 & CHE 345	Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab	4
CHE 348	Quantum Chemistry and Spectroscopy	3
CHE 364	Inorganic Chemistry	3
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab ¹	4
CHE 395	Chemistry Seminar: Research and Professional Development	1
CHE 396 & CHE 397	Biochemistry II and Biochemistry II Lab	4
CHE 490	Chemistry Seminar: Research	2
CHE 494	Chemistry Seminar: Research Presentation	1
MAT 124M	Calculus 1 ²	4
MAT 125	Calculus 2	4
Choose one of the following course sequences:		³ 8
PHY 202 & PHY 202D & PHY 206 & PHY 207	Introductory Physics I and Introductory Physics I Lab and Introductory Physics II and Introductory Physics II Lab	

Minor in Chemistry 128

or

PHY 292 & PHY 292D & PHY 296 & PHY 297	General Physics I and General Physics I Lab and General Physics II and General Physics II Lab
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Code	Title	Credits
Major		62
General Education *		40-48
Electives		12-20
Total Credits		122

¹ The BIO 120/BIO 120D or BIO 124/BIO 124D prerequisite for this course may be waived for B.S. in Chemistry majors.

² Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

³ Students planning to attend graduate school are strongly encouraged to take PHY 292/PHY 292D and PHY 296/PHY 297.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Chemistry and a B.S. in Chemistry. Students may not declare a B.S. in Chemistry and a Minor in Chemistry.

Minor in Chemistry

Code	Title	Credits
Minor in Chemistry		
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
Electives from 200 or 300-level chemistry courses		15
Total Credits		23

Students may not declare a B.S. in Biochemistry/Molecular Biology and a Minor in Chemistry.

Students may not declare a B.A. in Chemistry and a Minor in Chemistry.

Students may not declare a B.S. in Chemistry and a Minor in Chemistry.

Courses whose number is followed by a letter fulfill a General Education Requirement.

Communication Studies

Since effective communication is essential to most aspects of successful human endeavor, the Communication Studies (<https://www.bethel.edu/undergrad/academics/communication/>) programs focus 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 programs housed in Communication Studies (<https://www.bethel.edu/undergrad/academics/communication/>) help 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, providing vital background for the fields of business, teaching, law, public relations, government, social work, television, radio, corporate media departments, and various church ministries.

The faculty 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 a January session or semester.

Majors in Communication Studies

- B.A. in Communication Studies (p. 134)
- B.A. in Media Production (p. 136)
- B.A. in Organizational Communication (p. 137)

Minors in Communication Studies

- Communication Studies (p. 138)
- Media Production (p. 139)
- Social Media (p. 139)

COM 110 • Basic Communication 4 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.

Offered: Fall, Spring, Summer.

COM 130A • Producing Video for Social Media 4 Credits

Using everyday technology (e.g., cell phone, computer) to create, develop, and distribute defined messages through a unique YouTube channel. Explores image composition, visual storytelling, basic set design and lighting, editing, channel development, branding, analytics, viewership, keywords, monetization, advertising, and participatory culture. No experience with media production equipment or software required.

Offered: Summer.

COM 164 • Basic Communication Skills 4 Credits

An examination of the fundamentals of the human communication process. Emphasis on communication in these areas: interpersonal, small group, public speaking, and computer mediated. Concentration on how meaning is created, communicated, and transformed within personal, professional, and global contexts.

Offered: Fall, Spring.

COM 170A • Introduction to Media Production 4 Credits

Equips students with the most basic "hands-on" visual media production skills in which students learn the fundamentals of visual media production, including multi-camera studio production, digital filmmaking, and digital post-production.

Offered: Fall, Spring.

COM 208U • Native Americans and the Media 4 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.

Prerequisites: GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: January, Occasionally spring.

COM 209 • Health Communication 4 Credits
Introduces students to communication surrounding health care. History of health care and theoretical foundations of what health and illness mean. Explores concepts such as provider-patient communication, social support, health literacy, cross-cultural barriers to health care, ethical considerations in health care, health literacy, public health campaigns, and a Christian approach to health and illness.
Prerequisites: CHL 110 (may be taken concurrently).
Offered: Fall.

COM 210 • Perspectives on Human Communication 4 Credits
Examination of the communication discipline through the exploration of career areas and application of communication theories. Provides a theoretical foundation by exploring significant communication concepts in the areas of human, media, organizational, and rhetorical communication.
Offered: Fall, Spring.

COM 213 • Media Communication 2 Credits
An overview of mass media industries, including print, broadcast, cable, film, and the internet. Survey of media history, functions, and impacts on society.
Offered: Fall, Spring.

COM 216 • Content Strategy and Creation 4 Credits
Foundational skills include content ideation, audience analysis, and creating, disseminating, measuring and managing content. Students develop content strategy for an organization or brand; create multimedia content such as podcasts, blogs, video and design projects for social media and online channels; and produce a digital portfolio of their work.
Offered: Fall, even # years.

COM 220 • Group Communication 4 Credits
Vital role that small groups play in daily life, group problem-solving and interaction, and greater effectiveness in working in small groups. Examination of leadership, group cohesiveness, and conflict management.
Offered: Fall, Spring.

COM 248 • Organizational Communication 2 Credits
Communication practices and problems found in organizations. Communication concerns related to organizational structure, conflict, effectiveness, roles (emphasizing leadership), work processes, and decision making.
Offered: Fall.

COM 249 • Introduction to Public Relations 2 Credits
An overview of the strategic communication industry, as well as an understanding of how PR may enhance work in related fields such as marketing, journalism, relational communication, graphic design, media production, ministry, health, human resources, environmental studies, corporate social responsibility, politics, lobbying and government relations, and psychology.
Offered: Fall.

COM 264 • Storytelling 2 Credits
An examination of communication in electronic media through the analysis and development of narrative structure and story elements as they are used in a variety of media industries. Students learn to create compelling stories for audio and visual media through the analysis of scene, character arc, action, motif, etc.
Prerequisites: COM 170A or Consent of instructor.
Offered: Spring, even # years.

COM 271 • Royal Media Studio 1 Credit
Laboratory experience in media production within the context of a simulated production company. Project-based work from ideation to deliverable and work with clients. Students lead teams in writing, directing, producing and editing different types of media productions, both live-streamed and recorded.
Prerequisites: COM 170A. *Offered:* Fall, Spring.
Special Notes: Course may be repeated for credit.

COM 277 • Interpersonal Communication 2 Credits
Theory and pragmatics related to person-to-person (dyadic) communication. Explores issues such as self-identity, self-esteem, perception, listening, emotions, gender, conflict, and nonverbal communication. Opportunity to evaluate and develop personal interaction skills.
Offered: Fall, Spring.

COM 302 • Media Law 4 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.

Offered: Occasionally fall, Spring.

COM 310K • Communication, Technology and Society 4 Credits

An examination of the impact communication technology has on communication and society. Evaluation and exploration of technologies such as digital media, the internet, and other emerging technologies. Analysis of the ethical and spiritual implications and applications of these technologies.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Fall, January, Spring.

COM 314G • Communication of Gender and Sexuality 4 Credits

Examines the force of rhetoric on historical and social movements related to gender and sexuality since 1800. Concentrates on topics that cross gender and sexuality lines and impact modern individuals. Considers verbal and nonverbal gender differences and similarities.

Prerequisites: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Fall, Summer.

COM 315GZ • Culture and Communication in a Global Context 4 Credits

Introduction to the cultural patterns, communities, and communication styles within a specific geographical region through exploration of socio-cultural factors like worldview, faith, history, education, political economy, ecology, and art. Opportunities to connect with local communities and partner in projects addressing local issues. Possible focus on diaspora/emigration issues in the region.

Prerequisites: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Occasionally January.

COM 323 • Event Management & Leadership 4 Credits

Designing integrated communication approaches for conferences, professional meetings, celebratory events, and community outreach programs. Engages the professional, interpersonal, and organizational coordination of information, people, and budgets. Specific attention to developing creative and constructive responses to unanticipated “rhetorical interruptions” and to identifying opportunities for institutional enhancement.

Prerequisites: COM 248 and COM 249 or Consent of instructor. Offered: Spring, odd # years.

COM 324 • Professional and Technical Communication 4 Credits

Introduction to professional and technical communication skills. Topics include interviewing, technical speaking, speaking and writing to a lay audience, and visual communication skills. Students learn how to present complex information in a variety of formats with an audience-centered approach.

Offered: Spring, even # years.

COM 340 • Facilitating Difficult Conversations 2 Credits

Exploration of inter-group dialogue. Examines the challenges of engaging in difficult conversations, including topics such as perception, social identities, emotional triggers, narratives, and privilege. Students participate in dialogue on difficult topics and become skilled in listening, questioning, and facilitating small group interactions.

Prerequisites: GES 140. Offered: Occasionally spring.

COM 342 • Advanced Editing and Visual Effects 4 Credits

Continued study in video editing and post production including advanced editing concepts for storytelling and impact, visual effects and green screen work, and motion graphics.

Prerequisites: COM 170A. Offered: Spring, even # years.

COM 350 • Corporate Communication 4 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.

Prerequisites: COM 248 and COM 249 or Consent of instructor. Offered: January.

COM 352 • Broadcast Journalism 2 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.

Offered: Fall.

COM 355Z • Intercultural Communication 4 Credits

The study of socio-cultural variability and its influence on verbal and nonverbal communication. Beginning with cultural self-awareness, the examination of theory is balanced by an examination of practical applications designed to improve intercultural competence in various contexts.

Prerequisites: World Cultures (U) course. Special Notes: The course includes a 30-hour intercultural service learning component. Offered: Fall, Spring.

COM 357 • Principles of Digital Marketing 2 Credits

Study of digital marketing strategy, content development, and media channels to help students leverage digital techniques and understand how they integrate with the overall marketing plan. Students design and analyze digital campaigns within a team environment. Best practices are leveraged as the digital marketplace evolves.

Prerequisites: BUS 220. Offered: Spring. Special Notes: This course carries cross credit in business.

COM 363 • Methods of Communication Research 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.

Prerequisites: COM 210 and Two courses in communication studies. Offered: Fall.

COM 366 • Strategic Social Media in Organizations 2 Credits

Examination of the role of social media in business marketing and public relations. Analyzes how new media are changing the way businesses sell their products, communicate with customers, make decisions, and create community.

Offered: Fall.

COM 367 • Advanced Interpersonal Conflict 2 Credits

Theories and principles of interpersonal conflict are examined. How personal history, tactics, styles of expression and strategies of interaction impact types of conflict and their eventual resolution. Evaluates models of conflict resolution with an emphasis on issues of forgiveness and reconciliation.

Prerequisites: COM 340 (may be taken concurrently). Offered: Occasionally spring.

COM 368 • Nonverbal Communication 2 Credits

Nonverbal communication codes examined, including their structures, usages, and interrelationships. Understanding, analysis, and application of nonverbal communication through lecture, discussion, and experiential activities. Explores the impact of nonverbal communication on culture and interaction.

Offered: Occasionally spring.

COM 369 • Social Media Analytics 2 Credits

Organization leaders today expect communication professionals to make data-driven decisions and demonstrate results. Social Media Analytics provides language and tools to meet these expectations. Students will learn how to understand social media data and apply this information to help improve the success of communication programs.

Prerequisites: COM 366. Offered: Fall.

COM 371 • Royal Media Studio 1 Credit

Laboratory experience in media production within the context of a simulated production company. Project-based work from ideation to deliverable and work with clients. Students lead teams in writing, directing, producing, and editing different types of media productions, both live-streamed and recorded.

Prerequisites: COM 170A. Offered: Fall, Spring. Special Notes: This course may be repeated for credit.

COM 372 • Advanced Audio Production 4 Credits

Continued study in audio production processes including sound design, foley, podcasting, and music recording.

Prerequisites: COM 170A. Offered: Spring, odd # years.

COM 373 • Digital Filmmaking 4 Credits

Hands-on, single-camera production on location. Areas of study include: cinema vérité, documentary, and experimental/music video.

Prerequisites: COM 170A. Offered: Fall, even # years.

COM 374 • Sports and Live Events Production 4 Credits

In-depth engagement of sports programming, advanced multi-camera and live event production, field reporting, and streaming.

Prerequisites: COM 170A. Offered: Fall, odd # years.

COM 375 • Media Criticism and Theory 4 Credits

Explores theoretical and critical approaches to the study of video, audio, film, and digital culture. Examines issues relating to production and authorship in the media arts, audience reception and effects, political ideology, ethics, aesthetics, cultural diversity, and schools of thought. Extensive critical writing and reading in media criticism and theory.

Prerequisites: COM 213. Offered: Spring.

COM 376 • Public Relations Writing and Strategies 4 Credits

Explores techniques for conducting research and writing within key public relations contexts. Essential writing skills and strategies needed to perform a variety of projects in the public relations profession, including biographies, press releases, fact sheets, backgrounders, newsletters, brochures, pitch letters, speeches, feature stories, and social media posts.

Prerequisites: COM 248 and COM 249 or Consent of instructor. Offered: Spring, even # years.

COM 377 • Relational Communication 2 Credits

An examination of the theory and application of intimate relationships, building on concepts from Interpersonal Communication. Explores issues such as attraction, self-disclosure, dialectical tensions, love languages and attitudes, disengagement and breakups, turning points, and forgiveness. theories and practical ways to approach these. Opportunity to evaluate and develop relational interaction skills.

Offered: Fall, Spring.

COM 386 • Advanced Public Speaking 4 Credits

Preparation and delivery of speeches at an advanced level. Speeches can include persuasive, entertaining, informative, special occasion, business presentations, and storytelling.

Prerequisites: Junior standing or Consent of instructor. Offered: Fall, Occasionally spring.

COM 387 • Speaking in Ministry Contexts 4 Credits

Creation and delivery of the types of messages required in ministry contexts. Students work on biblical interpretation, adapting a biblically-based message to specific audiences and contexts, and learning to communicate in a clear and relevant manner.

Prerequisites: Junior or senior standing or Consent of instructor. Offered: Occasionally spring, odd # years.

COM 400 • Family Communication 4 Credits

Examines communication patterns that help or hinder relationships within the family system. Approaches to, and impacts of, conflict, power, stress, intimacy, and family health are studied. Explores the family system in light of Christian attitudes and life patterns.

Prerequisites: Junior standing. Offered: Spring.

COM 460 • Topics in Organizational Communication 2 Credits

Advanced studies in organizational communication with the specific topic announced prior to registration. Topics may include public relations, corporate communication, consulting, training and development, or media relations. Explores current issues from both a theoretical and hands-on perspective.

Prerequisites: COM 350 and Consent of instructor. Offered: Occasionally fall. Special Notes: This course may be repeated if a different topic is emphasized.

COM 462 • Topics in Relational Communication 2 Credits

Advanced studies in relational communication with the specific topic announced prior to registration. Topics may include the dark side of communication, persuasion, divorce, advanced interpersonal theory.

Offered: Occasionally spring.

COM 464 • Dating, Mating, & Relating: Lifespan Communication 4 Credits

Explores the communication development and patterns of children and adolescents, family communication, peer-group communication, intergenerational communication, and later-life communication, as well as theoretical studies of lifespan communication development, communication during lifespan transitions, and lifespan communication research methods.

Offered: Occasionally spring.

COM 471 • Royal Media Studio 1 Credit
 Laboratory experience in media production within the context of a simulated production company. Project-based work from ideation to deliverable and work with clients. Students lead teams in writing, directing, producing, and editing different types of media productions, both live-streamed and recorded.

Prerequisites: COM 170A. *Offered:* Fall, Spring.
Special Notes: This course may be repeated for credit.

COM 491 • Communication Internship and Seminar 4 Credits
 A professionally supervised applied learning experience in a structured, off-campus setting such as corporations, governmental offices, nonprofit organizations, television and radio stations, and corporate media departments. Includes a professional development seminar component in which students meet regularly to process internship experiences, discuss work-life topics, and prepare for initial job searches. Requires minimum of 135 hours in internship setting.

Prerequisites: Junior standing or Consent of department. *Offered:* Fall, Spring, Summer. *Special Notes:* This course may be repeated for credit.

COM 495 • Capstone: Relational Communication 2 Credits
 Guided exploration of "understudied relationships" specific to the relational communication discipline. Focus on synthesizing and integrating faith, communication skills, knowledge, theory, research, and competencies learning in the relational communication emphasis.

Prerequisites: COM 220; COM 277; COM 363; COM 377. *Offered:* Spring.

COM 496 • Capstone: Organizational Communication 2 Credits
 Engages students in the process of researching, structuring, conducting, and evaluating communication audits or public relations campaigns. Emphasizes synthesis and integration of skills and theories learned in the organizational communications major.

Prerequisites: COM 350; COM 363; COM 376 (may be taken concurrently); Senior standing. *Offered:* Spring.

B.A. in Communication Studies

Code	Title	Credits
Major in Communication Studies (B.A.)		
Communication Core		
COM 210	Perspectives on Human Communication	4
COM 213	Media Communication	2
COM 363	Methods of Communication Research	4
COM 375	Media Criticism and Theory	4
COM 491	Communication Internship and Seminar	4
COM 495	Capstone: Relational Communication ¹	2
Choose one of the following courses:		4
COM 324	Professional and Technical Communication	
COM 386	Advanced Public Speaking	

Code	Title	Credits
Communication Core		24
Select one emphasis		23-26
General Education		48-56
Electives		19-24
Total Credits		122

¹ COM 220 is a prerequisite for this course.

Students may not declare a B.A. in Communication Studies and a Minor in Communication Studies.

Health Communication Emphasis (23-26 credits)

Code	Title	Credits
CHL 110	Introduction to Healthcare	2
COM 209	Health Communication	4
COM 277	Interpersonal Communication	2
COM 355Z	Intercultural Communication	4
COM 377	Relational Communication	2
9-12 credits from the following courses:		9-12
COM 220	Group Communication	
COM 314G	Communication of Gender and Sexuality	
COM 315GZ	Culture and Communication in a Global Context	
COM 340	Facilitating Difficult Conversations	
COM 367	Advanced Interpersonal Conflict ¹	
COM 368	Nonverbal Communication	
COM 400	Family Communication	
COM 462	Topics in Relational Communication ²	
COM 464	Dating, Mating, & Relating: Lifespan Communication	
GES 448P	Abusive Relationships and Christian Responsibility	

¹ COM 340 is a prerequisite for this course.

² Course can be repeated for credit when topics offered are different.

Relational Studies Emphasis (24 credits)

Code	Title	Credits
COM 220	Group Communication	4
COM 277	Interpersonal Communication	2
COM 377	Relational Communication	2
COM 400	Family Communication	4
Choose three of the following Relational Topics courses:		12
COM 314G	Communication of Gender and Sexuality	
COM 315GZ	Culture and Communication in a Global Context	
COM 340	Facilitating Difficult Conversations	
COM 355Z	Intercultural Communication	
COM 367	Advanced Interpersonal Conflict ²	
COM 368	Nonverbal Communication	
COM 462	Topics in Relational Communication ¹	
COM 464	Dating, Mating, & Relating: Lifespan Communication	
GES 426P	Family Interaction	
GES 448P	Abusive Relationships and Christian Responsibility	

Total Credits

24

¹ Course may be repeated for credit when topics offered are different.

² COM 340 is a prerequisite for this course.

B.A. in Media Production

Code	Title	Credits
Major in Media Production (B.A.)		
Communication Core		
COM 210	Perspectives on Human Communication	4
COM 213	Media Communication	2
COM 363	Methods of Communication Research	4
COM 375	Media Criticism and Theory	4
Choose 4 credits from the following courses:		4
COM 220	Group Communication	
COM 277 & COM 377	Interpersonal Communication and Relational Communication	
Media Production Core		
COM 170A	Introduction to Media Production	4
COM 264	Storytelling	2
COM 302	Media Law	4
COM 352	Broadcast Journalism	2
COM 491	Communication Internship and Seminar	4
COM 491	Communication Internship and Seminar	4
4 credits of Royal Media Studio, two courses must be taken at the 300-level		4
COM 271	Royal Media Studio	
COM 371	Royal Media Studio	
COM 471	Royal Media Studio	
Choose four of the following Production courses:		16
COM 342	Advanced Editing and Visual Effects	
COM 372	Advanced Audio Production	
COM 373	Digital Filmmaking	
COM 374	Sports and Live Events Production	
DES 105	Introduction to Digital Media	
Code	Title	Credits
Major		58
General Education *		48-56
Electives		8-16
Total Credits		122

¹ Students are required to complete two internships with the final four credits taken their senior year.

* Courses whose number is followed by a letter fulfill a General Education requirement.
Students may not declare a B.A. in Media Production and a Minor in Media Production.

B.A. in Organizational Communication

Code	Title	Credits
Major in Organizational Communication (B.A.)		
Organizational Communication Core		
COM 210	Perspectives on Human Communication	4
COM 213	Media Communication	2
COM 220	Group Communication	4
COM 248	Organizational Communication	2
COM 249	Introduction to Public Relations	2
COM 302	Media Law	4
COM 350	Corporate Communication	4
COM 352	Broadcast Journalism	2
COM 363	Methods of Communication Research	4
COM 375	Media Criticism and Theory	4
COM 491	Communication Internship and Seminar	4
COM 496	Capstone: Organizational Communication ²	2
Choose one of the following Oral Communication courses:		4
COM 324	Professional and Technical Communication	
COM 386	Advanced Public Speaking	

Code	Title	Credits
Organizational Communication Core		42
Choose one emphasis ¹		14
General Education		48-56
Electives		10-18
Total Credits		122

¹ An Individualized Organizational Emphasis is available for students who have a clear direction of what they want to do in their organizational careers that is not met by the emphases listed. The course sequence is arranged with consent of advisor and departmental approval.

² COM 376 is a prerequisite for this course.

Leadership Communication Emphasis (14 credits)

Code	Title	Credits
COM 277	Interpersonal Communication	2
COM 377	Relational Communication	2
Choose 10 credits from the following courses:		10
BUS 230	Managing Organizations and People	
BUS 331	Staffing, Onboarding, and Training ¹	
COM 323	Event Management & Leadership	
COM 340	Facilitating Difficult Conversations	
COM 355Z	Intercultural Communication	
COM 367	Advanced Interpersonal Conflict ¹	
COM 460	Topics in Organizational Communication	

¹ COM 340 is a prerequisite for this course.

Strategic Communication Emphasis (14 credits)

Code	Title	Credits
COM 376	Public Relations Writing and Strategies	4
Choose 10 credits from the following courses:		10
BUS 220	Principles of Marketing ²	
or BUS 319	Advertising and Promotion	
COM 216	Content Strategy and Creation	
COM 357	Principles of Digital Marketing ²	
COM 366	Strategic Social Media in Organizations	
COM 369	Social Media Analytics ¹	
COM 460	Topics in Organizational Communication	
ENJ 120	Reporting ³	
or ENJ 221	Feature Writing	

¹ COM 366 is a prerequisite for this course.

² BUS 220 is a prerequisite for BUS 319.

³ ENJ 120 is a prerequisite for ENJ 221.

Minor in Communication Studies

Code	Title	Credits
Minor in Communication Studies		
Communication Core		
COM 210	Perspectives on Human Communication	4
COM 220	Group Communication	4
COM 277	Interpersonal Communication	2
COM 377	Relational Communication	2
Choose one of the following Oral Communication courses:		4
COM 324	Professional and Technical Communication	
COM 386	Advanced Public Speaking	
COM 387	Speaking in Ministry Contexts	
Choose 4 credits of the following Discipline Topic courses:		4
COM 248	Organizational Communication	
COM 249	Introduction to Public Relations	
COM 355Z	Intercultural Communication	
COM 375	Media Criticism and Theory ¹	
Elective from 200 level or above communication courses		4
Total Credits		24

¹ COM 213 is a prerequisite for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Communication Studies and a Minor in Communication Studies.

Minor in Media Production

Code	Title	Credits
Minor in Media Production		
COM 170A	Introduction to Media Production	4
COM 213	Media Communication	2
COM 271	Royal Media Studio	1
COM 302	Media Law	4
Choose 12 credits of the following Production courses:		12
COM 264	Storytelling	
COM 342	Advanced Editing and Visual Effects	
COM 352	Broadcast Journalism	
COM 372	Advanced Audio Production	
COM 373	Digital Filmmaking	
COM 374	Sports and Live Events Production	
Total Credits		23

Courses whose number is followed by a letter fulfill a General Education requirement.
Students may not declare a B.A. in Media Production and a Minor in Media Production.

Minor in Social Media

Code	Title	Credits
Minor in Social Media		
BUS 220	Principles of Marketing	4
BUS 357	Principles of Digital Marketing	2
COM 216	Content Strategy and Creation	4
COM 302	Media Law	4
COM 366	Strategic Social Media in Organizations	2
COM 369	Social Media Analytics	2
Choose one of the following:		2
BUS 309	Brand Management	
BUS 319	Advertising and Promotion	
BUS 334	Classic Project Management ¹	
COM 264	Storytelling ²	
Choose one of the following Content Creation courses:		4
COM 130A	Producing Video for Social Media	
COM 376	Public Relations Writing and Strategies ³	
DIG 200A	Introduction to Digital Humanities	
ENJ 120	Reporting	
Total Credits		24

¹ BUS 230, COM 248, or COS 277 is a prerequisite for this course.

Minor in Social Media 140

² COM 170A or Consent of instructor is a prerequisite for this course.

³ COM 248 and COM 249 or Consent of instructor are prerequisites for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Computer Science

Computing technology has become an essential part of nearly every profession even as new research in computer science continues to reinvent how we communicate and work. The Computer Science majors (<https://www.bethel.edu/undergrad/academics/math-cs/>) at Bethel prepare students for leadership roles in this ever-changing academic discipline as they learn current programming languages, network technology, databases, software engineering techniques, hardware, operating systems, and security. Electives are also offered in graphics, compilers, artificial intelligence, and high-performance computing. Students can gain work experience through employment in Bethel's computing support services and can earn course credit through internships at local companies. Bethel conforms to the Association for Computing Machinery (ACM) model for a liberal arts university computing degree with coursework in computing ethics and a balance of practical and theoretical study in computer science.

Advanced Placement: The Math and Computer Science Department (<https://www.bethel.edu/undergrad/academics/math-cs/>) requires a score of 3 or better on the AP exam in order for the exam to be used to fulfill course requirements in the majors and minors it offers. Students should consult the department chair with questions on AP exams and requirements for majors.

Majors in Computer Science

- B.S. in Computer Science (p. 145)
- B.A. in Computer Science (p. 144)
- B.A. in Computer Science with Software Project Management (p. 144)
- B.S. in Computer Engineering (p. 178)
- B.S. in Software Engineering (p. 146)

Minor in Computer Science

- Computer Science (p. 147)

COS 101 • Introduction to Procedural Programming 2 Credits

An introduction to programming using a current procedural (imperative) programming language. Standard data types and control structures are introduced.

Offered: Fall, Spring. Special Notes: Students may not receive credit for both COS 101 and COS 111.

COS 110 • Introduction to Object-Oriented Programming 2 Credits

Continuation of procedural programming and an introduction to object-oriented programming. Fundamental search and sort algorithms, and recursion.

Prerequisites: COS 101 with a C- or higher (may be taken concurrently) or Consent of instructor.

Offered: Fall, Spring. Special Notes: Students may not receive credit for both COS 110 and COS 111.

COS 111 • Introduction to Programming 4 Credits

An introduction to procedural and object-oriented programming. Standard data types and control structures are introduced. Fundamental search and sort algorithms, and recursion.

Offered: Fall, Spring. Special Notes: Students may not receive credit for both COS 111 and COS 101 or COS 110.

COS 211 • Data Structures 4 Credits

Elementary data structures such as arrays, linked lists, stacks, queues, hash tables, and trees. Further development of object-oriented design principles such as encapsulation, inheritance, and polymorphism.

Prerequisites: COS 110 with a C- or higher or COS 111 with a C- or higher. Offered: Fall, Spring.

COS 235 • Computer Systems 4 Credits

Assembly and machine language to study computer organization and structure, including addressing techniques, digital logic and representation of numbers and arithmetic, structure of operating systems, memory management, process management, resource allocation, and operating system monitors. Also includes an introduction to C.

Prerequisites: COS 211 with a C- or higher. Offered: Spring.

COS 277 • Software Development Fundamentals 4 Credits

Formal approach to the design and development of software. Multiple process models discussed and compared. Other topics include design patterns, system and data description, verification and validation, and process improvement. Extensive object-oriented programming assignments.

Prerequisites: COS 211 with a C- or higher. Offered: Fall.

COS 299 • Careers in Mathematics and Computer Science Seminar 0 Credit

Explores careers in mathematics and computer science through a selection of videos, lectures, tours, or guest speakers. Activities may include developing practical professional skills such as writing resumes and cover letters, accumulating connections and experience, and techniques for interviewing.

Prerequisites: COS 110 with a C- or higher or COS 111 with a C- or higher. Offered: Fall.

COS 313 • Database Systems 2 Credits

Relational and object-oriented databases, schemas, and normalization. Topics may include database management systems, SQL, concurrent transactions, logging/disaster recovery, query optimization, application program interaction with database management systems, and NOSQL.

Prerequisites: COS 211 with a C- or higher. Offered: Fall, even # years.

COS 318 • Web Programming 4 Credits

An examination of the foundational technologies used for creating web applications. Includes client and server programming, as well as fundamentals of cloud services, including security, storage, and reliability.

Prerequisites: COS 277 with a C- or higher. Offered: Fall, odd # years. Special Notes: Some knowledge of HTML and the basics of JavaScript are expected.

COS 320 • Computer Graphics Programming 4 Credits

Introduces the drawing methods, geometrical transformations, and illumination models that are fundamental to computer graphics programming. Modeling of 2D and 3D objects, local and global illumination simulation, shading, color models, procedural modeling, and discrete (fragment) techniques, including texture mapping. A current graphics API is used, including custom shaders. *Prerequisites: COS 277 with a C- or higher; MAT 248 with a C- or higher or Consent of instructor. Offered: Fall, odd # years.*

COS 334 • Data Mining and Machine Learning 3 Credits

An introduction to widely-used techniques for extracting information from large data sets such as medical databases, credit reports, weather history, and the stock market. Includes algorithms for nominal and ordinal data and metrics to measure their performance. Students implement common algorithms with real data and choose appropriate algorithms for different applications.

Prerequisites: COS 277 with a C- or higher; MAT 248 with a C- or higher or MAT 330 with a C- or higher or Consent of instructor. Offered: Spring, even # years.

COS 335 • Computer Security 3 Credits

An introduction to the concepts of security as applied to areas such as programming, databases, networks, systems, and applications. General concepts and specific instances of security-related threats are presented. Security risks are discussed in the context of several computer operating system and architecture components.

Prerequisites: COS 235 with C- or higher. Offered: Spring, odd # years. Special Notes: COS 386 is a recommended prerequisite.

COS 341 • Computability and Complexity 4 Credits

Investigate two big questions: How efficiently can computers solve problems? Are there problems that cannot be solved by computers at all? Computability theory: formal models of computation, Turing machines, universality, reductions, nondeterminism, and the Church–Turing thesis. Complexity theory: polynomial-time mapping reductions, NP-completeness, and the famous "P versus NP" problem.

Prerequisites: COS 110 with a C- or higher or COS 111 with a C- or higher; MAT 248 with a C- or higher or Consent of instructor. Offered: Fall, even # years.

COS 348 • Algorithms and Advanced Data Structures 4 Credits

Fundamental algorithms, algorithm analysis, and advanced data structures.

Prerequisites: COS 211 with C- or higher; MAT 248 with C- or higher or Consent of instructor. *Offered:* Spring, odd # years.

COS 351 • High-Performance Computing 4 Credits

Fundamental concepts and techniques for parallel computation in relevant programming languages (load balancing, communication, synchronization, serial program decomposition) using industry-standard parallel computing libraries.

Prerequisites: COS 235 with C- or higher. *Offered:* Occasionally.

COS 371 • Organization of Programming Languages 4 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.

Prerequisites: COS 277 with a C- or higher; MAT 248 with a C- or higher or Consent of instructor. *Offered:* Spring, even # years.

COS 386 • Data Communications and Computer Networks 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.

Prerequisites: COS 235 with a C- or higher. *Offered:* Fall, even # years.

COS 389 • Artificial Intelligence 3 Credits

Basic concepts and techniques of artificial intelligence, including representation, notational structures, searches, control structures, and logic programming languages. Samples of current work in several application areas including natural language systems, expert systems, and neural networks.

Prerequisites: COS 277 with a C- or higher. *Offered:* Occasionally.

COS 420 • Software Process 3 Credits

Balancing the various real-world challenges that a software engineer encounters, including ambiguity, conflicting requirements, task-time estimation, team dynamics, requests from customers, product managers or architects.

Prerequisites: COS 277 with a C- or higher. *Offered:* Spring, odd # years. *Special Notes:* COS 477 is a recommended prerequisite. This course carries cross credit in engineering.

COS 450 • Humans and Computers 2 Credits
Examines the ways that humans and computers interact. Christian and professional ethics in the development and application of computing technology are extensively examined. Issues in user experience and human-machine interaction are explored.

Prerequisites: COS 277 with a C- or higher; Senior standing. *Offered:* Spring.

COS 477 • Software Engineering 2 Credits

Formal approach to the design and development of software. Multiple process models discussed and compared. Other topics include design patterns, project management and estimation, team management, formal methods, documentation, system and data description, verification and validation, and process improvement.

Prerequisites: COS 277 with a C- or higher. *Offered:* Spring, even # years. *Special Notes:* This course carries cross credit in engineering.

COS 490 • Topics in Computer Science 4 Credits

An in-depth study of a specific field of computer science.

Prerequisites: COS 277 with a C- or higher. *Offered:* Fall, odd # years.

B.A. in Computer Science

Code	Title	Credits
Major in Computer Science (B.A.)		
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 235	Computer Systems	4
COS 277	Software Development Fundamentals	4
COS 299	Careers in Mathematics and Computer Science Seminar	0
COS 450	Humans and Computers	2
MAT 124M	Calculus 1 ²	4
MAT 242	Introduction to Proofs	2
MAT 248	Mathematics of Computer Science	4
Electives from 300-level or above COS courses, MAT 376, PHY 352/PHY 353, or ENR 352/ENR 353 ¹		18-19
Code	Title	Credits
Major		46-47
General Education *		44-52
Electives		24-31
Total Credits		122

¹ MAT 376's prerequisite is MAT 211 with a C- or higher or MAT 224 with a C- or higher. Prerequisites for ENR 352/ENR 353 and PHY 352/PHY 353 are MAT 223 or MAT 224 and PHY 296/PHY 297 with a C or higher.

² Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Computer Science and a B.S. in Computer Science. Students may not declare a B.A. in Computer Science and a Minor in Computer Science. Students may not declare a B.A. in Computer Science with Software Project Management and a B.A. in Computer Science.

B.A. in Computer Science with Software Project Management

Code	Title	Credits
Major in Computer Science with Software Project Management (B.A.)		
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 277	Software Development Fundamentals	4
COS 299	Careers in Mathematics and Computer Science Seminar	0
COS 420	Software Process	3
COS 450	Humans and Computers	2
6 credits from the following courses:		6
COS 313	Database Systems	

COS 318	Web Programming	
COS 477	Software Engineering	
BUS 210	Financial Accounting ²	4
BUS 230 or COM 248 & COM 249	Managing Organizations and People Organizational Communication and Introduction to Public Relations	4
BUS 334	Classic Project Management	2
BUS 336	Agile Project Management	2
BUS 344	Managerial Finance	4
COM 220	Group Communication	4
COM 277	Interpersonal Communication	2
COM 377	Relational Communication	2
MAT 124M	Calculus 1 ¹	4
MAT 242	Introduction to Proofs	2
MAT 248	Mathematics of Computer Science	4
Code	Title	Credits
Major		57
General Education *		44-52
Electives		13-21
Total Credits		122

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

² BUS 106 is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Computer Science with Software Project Management and a Minor in Computer Science.

Students may not declare a B.A. in Computer Science with Software Project Management and a B.A. in Computer Science.

Students may not declare a B.A. in Computer Science with Software Project Management and a B.S. in Computer Science.

B.S. in Computer Science

Code	Title	Credits
Major in Computer Science (B.S.)		
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 235	Computer Systems	4
COS 277	Software Development Fundamentals	4
COS 299	Careers in Mathematics and Computer Science Seminar	0
COS 320	Computer Graphics Programming	4
COS 335	Computer Security	3
COS 341	Computability and Complexity	4
COS 348	Algorithms and Advanced Data Structures	4

COS 371	Organization of Programming Languages	4
COS 450	Humans and Computers	2
COS 490	Topics in Computer Science	4
MAT 124M	Calculus 1 ²	4
MAT 211	Linear Algebra	4
MAT 242	Introduction to Proofs	2
MAT 248	Mathematics of Computer Science	4
Electives from 300-level or above COS courses (excluding COS 420), MAT 376, PHY 352/PHY 353, or ENR 352/ENR 353 ¹		7
Electives from 200-level or above MAT courses or MAT 125 (excluding MAT 201M and MAT 202)		4

Code	Title	Credits
Major		66
General Education *		44-52
Electives		4-12
Total Credits		122

¹ MAT 223 or MAT 224 and PHY 296/PHY 297 with a C or higher are prerequisites for PHY 352/PHY 353 and ENR 352/ENR 353.

² Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Computer Science and a B.S. in Computer Science. Students may not declare a B.S. in Computer Science and a Minor in Computer Science. Students may not declare a B.A. in Computer Science with Software Project Management and a B.S. in Computer Science.

B.S. in Software Engineering

Code	Title	Credits
Major in Software Engineering (B.S.)		
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 235	Computer Systems	4
COS 277	Software Development Fundamentals	4
COS 299	Careers in Mathematics and Computer Science Seminar	0
COS 313	Database Systems	2
COS 335	Computer Security	3
COS 371	Organization of Programming Languages	4
COS 386	Data Communications and Computer Networks	3
COS 420	Software Process	3
COS 450	Humans and Computers	2
COS 477	Software Engineering	2
MAT 124M	Calculus 1 ¹	4
MAT 211	Linear Algebra	4

MAT 242	Introduction to Proofs	2
MAT 248	Mathematics of Computer Science	4
BUS 334	Classic Project Management	2
ENR 160	Introduction to Engineering	2
ENR 465	Engineering Design Seminar	1
ENR 490	Engineering Design Project	3
Electives from 300-level or above COS courses or BUS 336 or MAT 376		9

Code	Title	Credits
Major		66
General Education *		44-52
Electives		4-12
Total Credits		122

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.S. in Software Engineering and a Minor in Computer Science. Students may not declare a B.S. in Software Engineering and a Minor in Engineering.

Minor in Computer Science

Code	Title	Credits
Minor in Computer Science		
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 277	Software Development Fundamentals	4
Electives from 300-level or above COS courses, COS 235, MAT 248, or MAT 376 ¹		12
Total Credits		24

¹ MAT 242 with a C- or higher is a prerequisite for MAT 248. MAT 211 with a C- or higher or MAT 224 with a C- or higher is a prerequisite for MAT 376.

Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Computer Science and a Minor in Computer Science. Students may not declare a B.S. in Computer Science and a Minor in Computer Science. Students may not declare a B.A. in Computer Science with Software Project Management and a Minor in Computer Science.

Students may not declare a B.S. in Computer Engineering and a Minor in Computer Science. Students may not declare a B.S. in Software Engineering and a Minor in Computer Science.

Digital Humanities

Digital Humanities describes a wide range of activities that apply digital technology to the study of the humanities in order to research, analyze, and present information to contemporary audiences. The minor in Digital Humanities (<https://www.bethel.edu/undergrad/academics/history-philosophy-political-science/majors-minors/digital-humanities-minor/>) fuses the traditional strengths of the humanities – the search for knowledge about human culture, and the cultivation of intellectual curiosity and empathy – with a greater understanding of digital age skills. Students learn collaboratively how to use digital technologies to ask and answer meaningful questions in the study of English, History, Philosophy, Theology, and other subjects,

and to communicate persuasively and winsomely with their audiences.

Minor in Digital Humanities

- Digital Humanities (p. 148)

DIG 200A • Introduction to Digital Humanities 4 Credits

Explores how to tell stories in the humanities with digital insights from graphic design and computer science. 3D-modeling, virtual reality, digital mapping, and data analysis are combined with the study of history, literature, philosophy, the arts, and other humanities disciplines.

Students create aesthetically-informed projects accessible to a modern audience.

Offered: Spring.

Minor in Digital Humanities

Code	Title	Credits
Minor in Digital Humanities		
DIG 200A	Introduction to Digital Humanities	4
Choose one of the following courses:		4
COS 111	Introduction to Programming	
DES 105	Introduction to Digital Media	
Technical and Applied Electives (not including any courses selected above):		6
COM 170A	Introduction to Media Production	
COM 264	Storytelling ¹	
COM 373	Digital Filmmaking ²	
COM 374	Sports and Live Events Production ²	
COS 101	Introduction to Procedural Programming	
COS 110	Introduction to Object-Oriented Programming ³	
COS 111	Introduction to Programming	
COS 211	Data Structures ⁴	
COS 277	Software Development Fundamentals ⁵	
DES 105	Introduction to Digital Media	
DES 212	Graphic Design I ⁶	
DES 312	Graphic Design II ⁷	
DES 324	Interactive Design ⁸	
EDU 331	Teaching and Learning	
ENJ 121	Digital Storytelling	
Humanities Core:		8
8 credits total at the 200-level or above of the following courses (at least 4 of which must be 300-level or above):		
ANT 200	Introduction to Anthropology	
Art History (ARH)		

All courses

Bible (BIB)

All courses (except BIB 101 and BIB 102)

Communication Studies

COM 208U	Native Americans and the Media
COM 213	Media Communication
COM 375	Media Criticism and Theory ¹⁵

English & Journalism (ENJ)

All courses

History (HIS)

All courses

Missional Ministries (MIN)

MIN 320	The Spiritual Life: Formation and Ministry ⁹
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Music (MUS)

MUS 312	Music History and Literature I ¹⁰
MUS 313	Music History and Literature II ¹¹

Philosophy (PHI)

All courses

Political Science (POS)

All courses

Spanish (SPA)

SPA 340U	Historical Heritage in the Spanish Speaking World ¹²
SPA 342	Readings from Latin America and Spain ¹³
SPA 350	Contemporary Narratives in Spain ¹³
SPA 352	Classical Narratives in Spain ¹⁴

Total Credits**22**

¹ COM 170A or Consent of instructor is a prerequisite for this course.

² COM 170A is a prerequisite for this course.

³ COS 101 with a C- or higher or Consent of instructor is a prerequisite for this course.

⁴ COS 110 with a C- or higher or COS 111 with a C- or higher is a prerequisite for this course.

⁵ COS 211 with a C- or higher is a prerequisite for this course.

⁶ DES 105 is a prerequisite for this course.

⁷ DES 150 and DES 212 are prerequisites for this course.

⁸ DES 312 or Consent of instructor is a prerequisite for this course.

⁹ MIN 200 is a prerequisite for this course.

¹⁰ MUS 103 and MUS 104 are prerequisites for this course.

¹¹ MUS 312 is a prerequisite for this course.

¹² SPA 202UZ, SPA 261S, or Consent of instructor is a prerequisite for this course.

¹³ SPA 330S or SPA 340U is a prerequisite for this course.

¹⁴ SPA 342 is a prerequisite for this course.

¹⁵ COM 213 is a prerequisite for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Education

As part of a Christian learning community at Bethel University, the Education (<https://www.bethel.edu/undergrad/academics/education/>) programs prepare educators for service in public and private schools who:

- demonstrate knowledge and competence in the context of education and content knowledge;
- understand and facilitate student learning and development;
- engage in reflective practice;
- establish collaborative relationships; and
- demonstrate a Christian worldview characterized by integrity and compassion.

Bethel's Education programs provide students the opportunity to attain licensure for teaching in the following areas:

- Elementary Education (grades K-6)
- Secondary Education:
 1. Communication Arts and Literature (English), 5-12
 2. Mathematics, 5-12
 3. Social Studies, 5-12
- Education for grades K-12:
 1. Music: Instrumental or Vocal
 2. Special Education

In addition to the above education licenses, teaching endorsements can be added in middle level education (grades 5-8) in:

- Communication Arts and Literature
- Mathematics
- Social Studies

Bethel University's teacher education program is approved by the Minnesota Professional Educator Licensing and Standards Board (PELSB), having met the standards set by the State of Minnesota through a rigorous review process.

To qualify for teacher licensure, our teacher candidates must complete their student teaching at Bethel University; this requirement cannot be transferred into Bethel. All student teachers

complete the required Education Teacher Performance Assessment (edTPA). Results are reported to PELSB, which in turn reports to the United States Secretary of Education under Title II of the Higher Education Act, annual reporting requirement.

Elementary School Licensure Program

The elementary teacher education program is designed to prepare teachers for teaching in any elementary school. The program is developed to give elementary teachers a solid foundation in the liberal arts, knowledge and understanding of human development and learning processes, methods of teaching basic skills, and subject matter preparation.

Secondary and K-12 Licensure Programs

Programs in teaching secondary education are available in communication arts and literature (English), mathematics, and social studies. Licensure for grades K-12 is available in instrumental music, vocal music, and special education. 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. Details of these programs are found under the appropriate program listings in this catalog.

Special Education, K-12 Academic Behavioral Strategist (ABS) Licensure Program

The ABS teacher licensure program is designed to prepare teachers for teaching in a K-12, mild-moderate special education setting. The program is developed to give ABS teachers a solid foundation in the liberal arts, knowledge and understanding of human development and learning processes for students with exceptionalities, methods of teaching students with mild-moderate disabilities in the areas of academic and behavior, and required due process procedures related to special education.

Endorsements

Formal licensure endorsements are also available to all licensure candidates (elementary, 5-12, and K-12) and can be added to a licensure program. Endorsements are available to teach grades 5-8 in the following areas: communication arts and literature, mathematics, and social studies.

Post-baccalaureate 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 Bethel's Office of Admissions (<https://www.bethel.edu/undergrad/admissions/>) and then meet with the Education Department (<https://www.bethel.edu/undergrad/academics/education/>) to develop an individualized plan for completion of requirements.

General Criteria for Participation in the Teacher Education Program

A. Admission Procedures and Requirements

1. Complete at least one semester of coursework at Bethel with a minimum cumulative grade point average of 2.75 for Elementary Education and Special Education, 3.0 for Social Studies Education, and 2.5 for Communication Arts and Literature Education, Mathematics Education, and Music Education.
2. Successfully complete EDU 200, Introduction to Education and EDU 201, Introduction to Education Field Experience with a minimum grade of C or better.
3. During EDU 200 Introduction to Education and EDU 201 Introduction to Education Field Experience, students will:
 - a. File an application for admission to the education department, including a written autobiographical statement and references.
 - b. Be interviewed and accepted into the program upon approval of the faculty of the student's area of emphasis.

4. Submit any transfer course work for education department evaluation. Only coursework 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 additional education courses.
2. Maintain a major GPA of at least 2.75 for Elementary Education and Special Education, 3.0 for Social Studies Education, and 2.5 for Communication Arts and Literature Education, Mathematics Education, and Music Education.
3. Demonstrate continual development of professional traits of educators, as presented throughout the program.

C. Requirements for Admission to Student Teaching

1. Be recommended for student teaching by the department(s) of the student's area of emphasis and by the student's academic advisor.
2. Complete the following coursework:
 - a. Maintain a major GPA of at least 2.75 for Elementary Education and Special Education, 3.0 for Social Studies Education, and 2.5 for Communication Arts and Literature Education, Mathematics Education, and Music Education.
 - b. 5-8, 5-12, and K-12 majors—all EDU and content courses.
3. Fulfill any Professional Improvement Plan (P.I.P.) contracts.
4. Acceptance for placement by a school.
5. For transfer or post-baccalaureate students the following applies:
 - a. Elementary education majors must obtain a grade of C or better in all EDU or content courses.
 - b. Students in 5-8, 5-12, and K-12 programs must obtain a C or better in all EDU or content courses. *Check with each department for specific requirements.*

D. Eligibility Standards for Minnesota Teacher Licensure

1. Complete all requirements for a baccalaureate degree.
2. Successfully complete student teaching experiences.
3. Complete Minnesota's requirement of a conduct review statement (Bureau of Criminal Apprehension).
4. Complete and submit education Teacher Performance Assessment (edTPA).

E. Appeals Process

1. Appeal of decisions for admission and/or continuation in the education program and/or course grades can be made through the Education Department chair or through the Bethel University appeals process as described in the Student Handbook.
2. If a student disputes a licensure decision, he/she has the right to appeal to the Minnesota Professional Educator Licensing Standards Board (PELSB).

F. Notes

1. Licensure standards and resultant program requirements are subject to change by the Minnesota Professional Educator Licensing Standards Board (PELSB).
2. Meeting the Minnesota licensure requirements is a prerequisite for Bethel University graduates seeking licensure in other states.
3. 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 or approval for licensure.
4. The Education Department reserves the right to consider, as part of admission to student teaching, personal and professional qualities, scholastic achievement, conduct, attitude, or other standards seen as appropriately related.
5. Students in the Teacher Education Department must meet the current license requirements at the time of graduation, which may require students to switch to the most current catalog.

Majors in Education

Elementary Education

- B.A. in K-6 Elementary Education (p. 160)

5-12 Education

See respective department listings for major requirements:

- B.A. in Communication Arts and Literature Education 5-12 (English Education) (p. 186)
- B.A. in Mathematics Education 5-12 (p. 229)
- B.A. in Social Studies Education 5-12 (p. 216)

K-12 Education

See respective department listings for major requirements:

- B.A. in Special Education K-12 Academic Behavioral Strategist (p. 162)
- B.Mus.Ed. in Music Education K-12 (Instrumental or Vocal) (p. 240)

Minors in Education

- Business Education & Communication (p. 163)
- Education & Policy (p. 164)
- Education: Teaching Preparation (p. 164)
- Sociocultural Studies of Education (p. 165)
- Special Education (p. 166)

Endorsements

- Communication Arts and Literature 5-8 Endorsement (p. 161)
- Mathematics 5-8 Endorsement (p. 161)
- Social Studies 5-8 Endorsement (p. 161)

EDU 200 • Introduction to Education 3 Credits

Contemporary issues in education in the light of history and educational thought. Various aspects of growth and development are included.

Prerequisites: 15 Credits. Corequisites: Concurrent registration in EDU 201 is required. Offered: Fall, Spring.

EDU 201 • Introduction to Education Field Experience 1 Credit

A field experience requiring four hours per week observing and serving in an elementary or secondary school classroom.

Corequisites: Concurrent registration in EDU 200 is required. Offered: Fall, Spring. *Special Notes:* Designated times are set by the Education department.

EDU 203 • School Health and Drugs 2 Credits

Examines the roles of teachers and schools in responding to adolescent health problems, including alcohol/drug problems, with particular attention to health promotion, prevention, and referral. Adolescent drug/alcohol use from a variety of perspectives—behavioral, pharmacological, social, legal, and clinical. Emphasis on the characteristics of effective comprehensive school-based drug abuse prevention programs.

Offered: Fall, Spring.

EDU 220 • Introduction to Middle Level Education 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.

Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* Offered: Fall, Spring.

EDU 236UZ • Exploring British Education and Culture 4 Credits

Designed for students to immerse themselves in British culture and 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: EDU 200/EDU 201; *GES 130 or GES 149; Admission to the Education program.* Offered: January, odd # years.

EDU 240 • Educational Psychology 3 Credits

Psychological foundations of education. Various aspects of growth and development, the nature and conditions of learning, implications for teaching, and evaluation.

Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* *Corequisites:* Concurrent registration in EDU 241 is required. Offered: Fall, Spring. *Special Notes:* This course is intended for 5-8, 5-12, and K-12 licensure students only.

EDU 241 • Educational Psychology Field Experience 1 Credit

A field experience requiring four hours per week in an elementary or secondary school for observation and tutorial experience in a special education setting.

Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* *Corequisites:* Concurrent registration in EDU 240 is required. Offered: Fall, Spring. *Special Notes:* Designated times are set by the Education department.

EDU 271 • Education Psychology and Pedagogy 2 Credits

Foundational knowledge about the theories of learning, cognitive development, instructional planning and assessment practices, and professional reflection.

Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* *Corequisites:* Concurrent registration in EDU 272; EDU 273; EDU 274; EDU 275 is required. Offered: Fall, Spring.

EDU 272 • Language and Literacy Development for Young Learners (K-3) 5 Credits

Foundational knowledge about language and literacy development, instructional methods, assessment practices, the creation of a literate and motivating environment, and the encouragement of family engagement in literacy.

Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* *Corequisites:* Concurrent registration in EDU 271; EDU 273; EDU 274; EDU 275 is required. Offered: Fall, Spring.

EDU 273 • Primary Grade Field Experience 1 Credit

Application of effective practices done in a primary classroom, working with individual students and small reading groups.

Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* *Corequisites:* Concurrent registration in EDU 271; EDU 272; EDU 274; EDU 275 is required. Offered: Fall, Spring.

EDU 274 • Education Technology 1 Credit
Methods of integrating technology into the primary grades classroom are considered. Focus on approaches with research-based technologies that enhance student learning and are linked to effective instructional strategies. Professional growth/development and developing digital citizenship/responsibility are considered.
Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* *Corequisites:* Concurrent registration in EDU 271; EDU 272; EDU 273; EDU 275 is required. Offered: Fall, Spring.

EDU 275 • Kindergarten Education 1 Credit
Characteristics of kindergarten children and the curriculum and teaching strategies appropriate for their developmental level.
Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* *Corequisites:* Concurrent registration in EDU 271; EDU 272; EDU 273; EDU 274 is required. Offered: Fall, Spring.

EDU 317GZ • Educational Equity 4 Credits
Root causes and historical origins of the current disparity of opportunities in U.S. educational systems. Prepares future educators to be culturally competent and responsive critical thinkers who understand the barriers that perpetuate inequities. Addresses these challenges from a biblical and leadership perspective.
Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course.* Offered: Fall, Spring. *Special Notes:* This course includes experiential learning in schools and community events.

EDU 320 • Pedagogy and the Young Adolescent Learner 1 Credit
Discusses the differences in philosophy and pedagogy of teaching in a middle school and in a junior high school. Course activities help students define, describe, and develop the following components of contemporary middle level schools: appropriate curriculum, interdisciplinary structure, and interdisciplinary teaching.
Prerequisites: EDU 220 (may be taken concurrently) and EDU 240/EDU 241. *Corequisites:* Concurrent registration in EDU 321 is required. Offered: Fall, Spring.

EDU 321 • Integrated Literacy in the Content Areas 1 Credit
Understanding of literacy development strategies and the role of reading in teaching content material related to specific subject areas. Review of content area texts, assessment and practice in adapting content materials to student needs.
Prerequisites: EDU 220 (may be taken concurrently) and EDU 240/EDU 241. *Corequisites:* Concurrent registration in EDU 320 is required. Offered: Fall, Spring.

EDU 331 • Teaching and Learning 2 Credits
A foundational knowledge of learning psychology and teaching methodology. Examines unique considerations for youth and adult learners, metacognition, formal/informal learning, multi-modal learning, learning in a variety of fields/ contexts, and iterative program assessment.
Offered: Fall.

EDU 363 • Health Curriculum and Methods 1 Credit
Principles, curriculum, and methods of teaching health in grades K-6. Role of the teacher and school in responding to the special health needs of elementary-age children.
Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* Offered: Fall.

EDU 365 • Physical Education Curriculum and Methods 1 Credit
Principles, curriculum, and methods of teaching physical education in grades K-6.
Prerequisites: EDU 200; EDU 201; *Admission to the Education program.* Offered: Fall.

EDU 366A • Visual Arts Curriculum and Methods 1 Credit
Methods, materials, and resources for teaching visual arts in grades K-6.
Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* Offered: Spring.

EDU 368A • Music Curriculum and Methods 1 Credit
Methods, materials, and resources for teaching music in grades K-6.
Prerequisites: EDU 200/EDU 201; *Admission to the Education program.* Offered: Spring.

EDU 390 • General Field Experience 0 Credit
Students work in local schools with licensed cooperating teachers.
Prerequisites: Approval of the Director of Education Clinical Practice. Offered: Fall, Spring.

EDU 400 • Methods in Teaching K-12 English to Speakers of Other Languages 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: LIN210Z; LIN300; Admission to the Education program. Corequisites: Concurrent registration in EDU 401 is required. Offered: Fall.

EDU 401 • Middle Level Education Field Experience in TESL 1 Credit

Classroom-based practicum in an ESL classroom of young adolescent learners. Emphasizes evaluation and application of concepts and strategies previously introduced.

Corequisites: Concurrent registration in EDU 400 is required. Offered: Fall.

EDU 406 • Methods in Teaching 5-8 English 3 Credits

An examination of how middle level philosophy translates into practice in English classes in grades 5-8. Designed to accompany a 1 credit practicum experience in a middle level school.

Prerequisites: EDU 240/EDU 241 or EDU 271; EDU 272; EDU 273; Admission to the Education program. Corequisites: Concurrent registration in EDU 407 and EDU 408 or Consent of instructor is required. Offered: Spring.

EDU 407 • Middle Level Education Field Experience in English 1 Credit

Classroom-based practicum in an English class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies previously introduced.

Prerequisites: EDU 240/EDU 241. Corequisites: Concurrent registration in EDU 406 and EDU 408 or Consent of instructor is required. Offered: Spring.

EDU 408 • Methods in Teaching 5-12 English 3 Credits

Methods and curriculum employed in teaching English in middle and high schools. Examines current technology in English education as well as interactive learning and teaching. Emphasizes vocabulary and academic language. Lesson and unit planning using best practices and developmentally appropriate principles.

Prerequisites: EDU 240/EDU 241; Admission to the Education program. Corequisites: Concurrent registration in EDU 406 and EDU 407 or Consent of instructor is required. Offered: Spring. Special Notes: EDU 320 is a strongly recommended corequisite.

EDU 410 • Methods in Teaching 5-8 Mathematics 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. Practice in planning lessons and units, implementing technology, and teaching.

Prerequisites: EDU 240/EDU 241 or EDU 271; Admission to Education program. Corequisites: Concurrent registration in EDU 411 and EDU 412 or Consent of instructor is required. Offered: Fall.

EDU 411 • Mathematics Education Field Experience in grades 5-8 or 5-12 1 Credit

Students observe and participate in a high school and/or middle school mathematics classroom (minimum 40 hours on site). Deeper understanding of preadolescent and adolescent learners as well as curriculum, instruction, and assessment in the context of grades 5-12 school communities.

Prerequisites: EDU 240/EDU 241 or EDU 271; Admission to the Education program. Corequisites: Concurrent registration in EDU 410 and EDU 412 or Consent of instructor is required. Offered: Fall.

EDU 412 • Methods in Teaching 5-12 Mathematics 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: EDU 240/EDU 241; Admission to the Education program; Senior standing or Consent of instructor. Corequisites: Concurrent registration in EDU 410 and EDU 411 or Consent of instructor is required. Offered: Fall.

EDU 418 • Methods in Teaching 9-12 Social Studies 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.

Prerequisites: EDU 220; EDU 240/EDU 241;
Admission to the Education program. Corequisites: Concurrent registration in EDU 419 is required.
Offered: Spring.

EDU 419 • 5-8 Social Studies Methods and Field Experience 2 Credits

Classroom-based practicum in a social studies class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies previously introduced.

Prerequisites: EDU 220; EDU 240/EDU 241;
Admission to the Education program. Corequisites: Concurrent registration in EDU 418 is required.
Offered: Spring.

EDU 432 • Methods in Teaching Elementary Music 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: EDU 240/EDU 241; *Major or minor in music; Admission to the Education program.*
Offered: Fall, odd # years.

EDU 433 • Methods in Teaching Secondary Music 3 Credits

Methods and materials for teaching music in the middle school, junior high, and high school vocal and instrumental programs.

Prerequisites: EDU 432; *Major or minor in music; Admission to the Education program. Corequisites:* Concurrent enrollment in EDU 434 is required.
Offered: Spring, even # years.

EDU 434 • Middle Level Education Field Experience in Music 1 Credit

Classroom-based practicum in a music class of young adolescent learners. Emphasizes evaluation and application of concepts and strategies previously introduced.

Prerequisites: EDU 432 and *Major or minor in music. Corequisites:* Concurrent registration in EDU 433 is required. *Offered:* Spring, even # years.

EDU 470 • Math Curriculum and Methods 3 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.

Prerequisites: EDU 200/EDU 201; EDU 271; EDU 272; EDU 273; EDU 274; EDU 275; MAT 202; NAS 101D; NAS 102D; NAS 103D; NAS 104D; *Admission to the Education program. Corequisites:* Concurrent registration in EDU 471; EDU 472; EDU 473; EDU 474; EDU 475; EDU 476 is required. *Offered:* Fall, Spring.

EDU 471 • Science Curriculum and Methods 3 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.

Prerequisites: EDU 200/EDU 201; EDU 271; EDU 272; EDU 273; EDU 274; EDU 275; MAT 202; NAS 101D; NAS 102D; NAS 103D; NAS 104D; *Admission to the Education program. Corequisites:* Concurrent registration in EDU 470; EDU 472; EDU 473; EDU 474; EDU 475; EDU 476 is required. *Offered:* Fall, Spring.

EDU 472 • Educational Psychology 3 Credits

Psychological foundations of education continued from EDU 471 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.

Prerequisites: EDU 200/EDU 201; EDU 271; EDU 272; EDU 273; EDU 274; EDU 275; MAT 202; NAS 101D; NAS 102D; NAS 103D; NAS 104D; *Admission to the Education program. Corequisites:* Concurrent registration in EDU 470; EDU 471; EDU 473; EDU 474; EDU 475; EDU 476 is required. *Offered:* Fall, Spring.

EDU 473 • 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.

Prerequisites: EDU 200/EDU 201; EDU 271; EDU 272; EDU 273; EDU 274; EDU 275; MAT 202; NAS 101D; NAS 102D; NAS 103D; NAS 104D; Admission to the Education program. *Corequisites:* Concurrent registration in EDU 470; EDU 471; EDU 472; EDU 474; EDU 475; EDU 476 is required. Offered: Fall, Spring.

EDU 474 • Social Studies Curriculum and Methods: Planning 3 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.

Prerequisites: EDU 200/EDU 201; EDU 271; EDU 272; EDU 273; EDU 274; EDU 275; MAT 202; NAS 101D; NAS 102D; NAS 103D; NAS 104D; Admission to the Education program. *Corequisites:* Concurrent registration in EDU 470; EDU 471; EDU 472; EDU 473; EDU 475; EDU 476 is required. Offered: Fall, Spring.

EDU 475 • Integrating Technology in the Content Areas 2 Credits

Methods of integrating technology in various grade levels and content areas are examined. Students design, implement, and access strategies for assessment and learning. Emphasis on approaches to enhance student learning, increase motivation, and link to effective instructional strategies. Professional growth/development and developing digital citizenship/responsibility are considered.

Prerequisites: EDU 200/EDU 201; EDU 271; EDU 272; EDU 273; EDU 274; EDU 275; MAT 202; NAS 101D; NAS 102D; NAS 103D; NAS 104D; Admission to the Education program. *Corequisites:* Concurrent registration in EDU 470; EDU 471; EDU 472; EDU 473; EDU 474; EDU 476 is required. Offered: Fall, Spring.

EDU 476 • Intermediate Grade Field Experience 1 Credit

Application of effective practices done in a 3rd-6th grade classroom, working with large groups as well as small groups, adapting lessons for students with special needs. Special focus on integrated planning.

Prerequisites: EDU 200/EDU 201; EDU 271; EDU 272; EDU 273; EDU 274; EDU 275; MAT 202; NAS 101D; NAS 102D; NAS 103D; NAS 104D; Admission to the Education program. *Corequisites:* Concurrent registration in EDU 470; EDU 471; EDU 472; EDU 473; EDU 474; EDU 475 is required. Offered: Fall, Spring. *Special Notes:* A residency option is available by application. Residents stay in the same cooperating classroom for Block 2 and student teaching.

EDU 490 • Student Teaching Block 1-15 Credits

Students teach in a school setting corresponding with their licensure area(s). Students work with a cooperating teacher and grow into teaching independently. Attendance at regularly scheduled seminars is required.

Prerequisites: Admission to student teaching and 2.50 GPA. Offered: Fall, Spring. *Special Notes:* Students earning a license to teach in two programs must register for EDU 490 in the initial license area and in the additional license or endorsement program. Both student teaching placements can occur within the same semester. Some situations may require the addition of student teaching during January Session. This course is graded on an S/U basis.

EDU 491 • Student Teaching in Middle Level 3 Credits

Observation and student teaching in fields in which a student will be licensed to teach. Involves student teaching in a Middle Level endorsement area.

Prerequisites: Admission to student teaching. Offered: Occasionally. *Special Notes:* This course is graded on an S/U basis.

SPD 205 • Introduction to Special Education 2 Credits

Identification of the impact that historical and philosophical foundations, legal bases, and contemporary issues have on special education. Identification of common disability category characteristics. Description of the impact that culture, faith, and linguistics have on special education. Description of how the Individuals with Disabilities Education Act (IDEA) impacts special education.

Prerequisites: EDU 200/EDU 201 and Major or minor in one of the following programs: k-6 elementary education, communication arts and literature education 5-12, mathematics education 5-12, social studies education 5-12, special education k-12 academic behavioral strategist, music education k-12, special education. Offered: Fall, January.

SPD 209 • Introduction to Academic and Behavior Support 4 Credits

Introduction to how special education and general education systems relate. Identification of functional behavioral assessments processes and principles of individual and school-wide systems of supports. Demonstration of how evidence-based instruction can be adapted. Exploration of co-teaching models. Identification of how required curricular components direct instruction. Analysis of positive instructional environments.

Prerequisites: EDU 200/EDU 201 and Major or minor in one of the following programs: k-6 elementary education, communication arts and literature education 5-12, mathematics education 5-12, social studies education 5-12, special education k-12 academic behavioral strategist, music education k-12, special education. Offered: Fall, Spring.

SPD 222 • Teaching Reading (and Field Experience) 4 Credits

Identification of relationships among reading, writing, oral language, comprehension processes, and instructional strategies. Description of English language structure, word identification strategies, and the role of vocabulary knowledge in language. Analysis of texts for K-12 classrooms. Assessment strategies for reading and writing needs. Recognition of characteristics and instructional strategies for dyslexia.

Prerequisites: Major in special education k-12 academic behavioral strategist or minor in special education Offered: Fall, Spring.

SPD 301 • Characteristics of Students with Mild-Moderate Disabilities (and Field Experience) 4 Credits

Exploration of the five disability categories represented under Academic Behavioral Strategist (ABS). Identification of strategies that support stakeholders of children with mild-moderate needs. Explanation of topics that form the basis for special education practice for students with mild-moderate disabilities. Identification of the impact culture and linguistics has on special education.

Prerequisites: EDU 200/EDU 201 and Major in special education k-12 academic behavioral strategist or minor in special education. Offered: Fall; Spring.

SPD 310 • Norm-Referenced Assessment 4 Credits

Description of standards and critical elements in the special education assessment process. Identification of test development principles and evaluation of standardized assessment instruments for special education decision-making. Description of responsibilities of assessment team members. Synthesis of assessment data. Application of scriptural principles to assessment in special education.

Prerequisites: Major in special education k-12 academic behavioral strategist or minor in special education. Corequisites: Concurrent registration in SPD 354 and SPD 370 is required. Offered: See student's advisor for course rotation.

SPD 318 • Foundations of Instructional Strategies for Students with Mild-Moderate Disabilities 4 Credits

Development of an instructional sequence for students in special education. Evaluation of data for making accommodations and modifications. Identification of differentiation strategies and the relationship between teaching and learning theories and academic standards. Application of evidence-based practices. Exploration of the relationship between faith concepts and instruction in special education.

Prerequisites: EDU 200/EDU 201 and Major or minor in one of the following programs: k-6 elementary education, communication arts and literature education 5-12, mathematics education 5-12, social studies education 5-12, special education k-12 academic behavioral strategist, music education k-12, special education. Offered: Fall, Spring.

SPD 332 • Responsive Intervention and Assessment 4 Credits

Identification of appropriate assessment measures, including curriculum-based measures, and professional resources related to interventions. Interpretation of assessment and progress monitoring data to make informed instructional and placement decisions. Creation of instruction and modifications incorporating research-based interventions and based on data collected through collaboration with stakeholders. Description of student assessment results.

Prerequisites: EDU 200/EDU 201 and Major or minor in one of the following programs: k-6 elementary education, communication arts and literature education 5-12, mathematics education 5-12, social studies education 5-12, special education k-12 academic behavioral strategist, music education k-12, special education. Offered: Fall, Spring.

SPD 342 • Introduction to Student Mental Health and Systems Comprehensive of Support 4 Credits

Introduction and interventions for K-12 students with mental health and behavioral needs, including trauma-informed practices. Impact of mental health and behavioral diagnoses, substance abuse, and suicide within K-12 education. Identification of roles of professionals within and outside the school related to mental health.

Prerequisites: EDU 200/EDU 201 and Major or minor in one of the following programs: k-6 elementary education, communication arts and literature education 5-12, mathematics education 5-12, social studies education 5-12, special education k-12 academic behavioral strategist, music education k-12, special education. Offered: Fall, Spring.

SPD 354 • Classroom-Based Assessment 4 Credits

Description of legal, professional, and ethical standards in assessment measures and environmental factors influencing student achievement and behavior. Description of student's learning style, strengths, and analysis of behavior based on observations and assessment data. Description of the FBA process. Identification of the influence diversity, age and gender have on assessment.

Prerequisites: EDU 200/EDU 201 and A major in special education k-12 academic behavioral strategist or minor in special education. Corequisites: SPD 310 and SPD 370. Offered: Fall, Spring.

SPD 370 • Assessment Field Experience 1 Credit

Identification of students' strengths and needs through assessment. Identification of the purpose of multidisciplinary teams. Development of an evaluation report, a Functional Behavioral Assessment (FBA), and a plan for continued professional development in the area of assessment. Explanation of assessment results with relevant parties. Creation of interventions. 30 hours/12 weeks.

Prerequisites: Major in special education k-12 academic behavioral strategist or minor in special education. Corequisites: Concurrent registration in SPD 310 and SPD 354 is required. Offered: Fall, Spring.

SPD 374 • Consultation and Collaboration in Programming for Students with Disabilities 4 Credits

Focus on collaborating with stakeholders to support students with disabilities. Development and evaluation of individual education programs based on student assessment results. Consideration of technology, supplementary aids, services, and student's transitional needs. Synthesis of cultural, ethnic, and linguistic diversity. Clarification of personal beliefs and adjusting to student needs.

Prerequisites: EDU 200/EDU 201 and A major in special education k-12 academic behavioral strategist or minor in special education. Offered: Fall, Spring.

SPD 480 • Student Teaching - Academic Behavioral Strategist 14 Credits

Management of timelines and ethical responsibilities of a special educator. Implementation of appropriate interventions and procedures necessary to process moral dilemmas related to special education due process. Consultation with parents and professionals to provide special education services. Analysis of personal development. Integration of duty, virtue, responsibility, and Christian values.

Prerequisites: SPD 205; SPD 209; SPD 222; SPD 301; SPD 310; SPD 318; SPD 332; SPD 342; SPD 354; SPD 370; SPD 374; 2.75 GPA; Major in special education k-12 academic behavioral strategist. Offered: Fall, Spring.

B.A. in K-6 Elementary Education

Code	Title	Credits
Major in K-6 Elementary Education (B.A.)		
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
Block 1- Courses in this sequence are taken as a block in the same semester.		10
EDU 271	Education Psychology and Pedagogy	
EDU 272	Language and Literacy Development for Young Learners (K-3)	
EDU 273	Primary Grade Field Experience	
EDU 274	Education Technology	
EDU 275	Kindergarten Education	
EDU 317GZ	Educational Equity	4
EDU 363	Health Curriculum and Methods	1
EDU 365	Physical Education Curriculum and Methods	1
EDU 366A	Visual Arts Curriculum and Methods	1
EDU 368A	Music Curriculum and Methods	1
Block 2- Courses in this sequence are taken as a block in the same semester.		18
EDU 470	Math Curriculum and Methods	
EDU 471	Science Curriculum and Methods	
EDU 472	Educational Psychology	
EDU 473	Reading/Language Arts Curriculum and Methods	
EDU 474	Social Studies Curriculum and Methods: Planning	
EDU 475	Integrating Technology in the Content Areas	
EDU 476	Intermediate Grade Field Experience	
EDU 490	Student Teaching Block ¹	14
MAT 201M	Mathematics for Elementary Education 1	4
MAT 202	Mathematics for Elementary Education 2	3
NAS 101D	Science Concepts - Life Sciences ²	2
NAS 102D	Science Concepts - Earth/Space Science ²	2
NAS 103D	Science Concepts - Chemistry ²	2
NAS 104D	Science Concepts - Physics ²	2
Code	Title	Credits
Major		69
General Education *		36-44
Electives		9-17
Total Credits		122

¹ In order to meet requirements for endorsements and dual-majors this number is subject to change. Students should consult with their advisor.

² In order to meet the General Education Laboratory Science (D) requirement, students must take two NAS courses.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Middle Level Endorsements

Communication Arts and Literature 5-8 Endorsement (32 credits)

Code	Title	Credits
COM 110	Basic Communication	4
EDU 220	Introduction to Middle Level Education	3
EDU 320	Pedagogy and the Young Adolescent Learner ⁴	1
EDU 321	Integrated Literacy in the Content Areas ⁴	1
EDU 406	Methods in Teaching 5-8 English	3
EDU 407	Middle Level Education Field Experience in English ⁴	1
EDU 491	Student Teaching in Middle Level	3
ENJ 202	Juvenile Literature	4
Choose one from the following:		4
ENJ 210A	Prose Studio ¹	
ENJ 312AZ	Travel Writing ¹	
Choose one from the following:		4
ENJ 101	British Literature I	
ENJ 102	British Literature II	
ENJ 103	Topics in American Literature	
Choose one from the following:		4
ENJ 200L	Story in Modern America	
ENJ 203U	World Literature ¹	
Total Credits		32

Mathematics 5-8 Endorsement (33-34 credits)

Code	Title	Credits
EDU 220	Introduction to Middle Level Education	3
EDU 320	Pedagogy and the Young Adolescent Learner ⁴	1
EDU 321	Integrated Literacy in the Content Areas ⁴	1
EDU 410	Methods in Teaching 5-8 Mathematics	3
EDU 411	Mathematics Education Field Experience in grades 5-8 or 5-12	1
EDU 491	Student Teaching in Middle Level	3
MAT 121M	Precalculus ^{1,3}	4
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 242	Introduction to Proofs	2
MAT 451	Modern Geometry	4
Choose one of the following courses:		3-4
MAT 207M	Statistical Analysis ^{1,2}	
MAT 330	Probability and Statistics	
Total Credits		33-34

Social Studies 5-8 Endorsement (34 credits)

Code	Title	Credits
ECO 202	Principles of Microeconomics	2
ECO 203	Principles of Macroeconomics	2
EDU 220	Introduction to Middle Level Education	3
EDU 320	Pedagogy and the Young Adolescent Learner ⁴	1
EDU 321	Integrated Literacy in the Content Areas ⁴	1
EDU 419	5-8 Social Studies Methods and Field Experience ⁴	2
EDU 491	Student Teaching in Middle Level	3
GEO 120	Introduction to Geography	4
GEO 320K	History and the Human Environment ¹	4
HIS 200L	History of the United States ¹	4
POS 100	American Politics and Government	4
SOC 101	Introduction to Sociology	4
Total Credits		34

¹ Students may also choose to use this course to meet a General Education requirement.

² Due to Minnesota teacher licensure requirements, PSY 230M may not be substituted for this statistics course.

³ Students may test out of this course based on their performance on the Math and Computer Science department placement exam requirements.

⁴ EDU 240 and EDU 241 are prerequisites for this course.

B.A. in Special Education K-12 Academic Behavioral Strategist

The Academic Behavioral Strategist (ABS) teaching program (<https://www.bethel.edu/undergrad/academics/education/majors-minors/special-education/>) is designed to prepare teachers for teaching in a K-12, mild-moderate special education setting. The program is developed to give ABS teachers a solid foundation in the liberal arts, knowledge and understanding of human development and learning processes for students with exceptionalities, methods of teaching students with mild-moderate disabilities in the areas of academic and behavior, and required due process procedures related to special education.

NOTE: With the exception of January Session, the add, drop, and withdrawal deadlines for the B.A. in Special Education K-12 Academic Behavioral Strategist program (<https://www.bethel.edu/undergrad/academics/education/majors-minors/special-education/>) follows the College of Adult and Professional Studies calendar (<https://catalog.bethel.edu/adult-professional-studies/academic-calendar/>) published in the catalog.

Code	Title	Credits
Major in K-12 Special Education: Academic Behavioral Strategist (B.A.)		
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 203	School Health and Drugs	2
EDU 220	Introduction to Middle Level Education	3
EDU 240	Educational Psychology	3
EDU 241	Educational Psychology Field Experience	1

EDU 317GZ	Educational Equity	4
EDU 320	Pedagogy and the Young Adolescent Learner	1
EDU 321	Integrated Literacy in the Content Areas	1
SPD 205	Introduction to Special Education	2
SPD 209	Introduction to Academic and Behavior Support	4
SPD 222	Teaching Reading (and Field Experience)	4
SPD 301	Characteristics of Students with Mild-Moderate Disabilities (and Field Experience)	4
SPD 310	Norm-Referenced Assessment	4
SPD 318	Foundations of Instructional Strategies for Students with Mild-Moderate Disabilities	4
SPD 332	Responsive Intervention and Assessment	4
SPD 342	Introduction to Student Mental Health and Systems Comprehensive of Support	4
SPD 354	Classroom-Based Assessment	4
SPD 370	Assessment Field Experience	1
SPD 374	Consultation and Collaboration in Programming for Students with Disabilities	4
SPD 480	Student Teaching - Academic Behavioral Strategist	14
Select one of the following courses:		4
MAT 101M	Mathematics for the 21st Century	
MAT 201M	Mathematics for Elementary Education 1	
Select two of the following:		4
NAS 101D	Science Concepts - Life Sciences	
NAS 102D	Science Concepts - Earth/Space Science	
NAS 103D	Science Concepts - Chemistry	
NAS 104D	Science Concepts - Physics	

Code	Title	Credits
Major		80
General Education		36-44
Electives		0-6
Total Credits		122-124

Courses whose number is followed by a letter fulfill a General Education requirement.

Minor in Business Education & Communication

Code	Title	Credits
Minor in Business Education & Communication		
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 317GZ	Educational Equity	4
EDU 331	Teaching and Learning	2
10 additional elective credits from the following courses:		10
BUS 230	Managing Organizations and People	
BUS/POS 306	Public Administration	

Minor in Education & Policy 164

COM 210	Perspectives on Human Communication	
COM 324	Professional and Technical Communication	
GES 409P	Christian Leadership in a Secular World	
GES 453P	Ethics and Faith in the Workplace	
SOW 240	Socioeconomic & Justice Issues in Market Economies	
Total Credits		20

Courses whose number is followed by a letter fulfill a General Education requirement.

Minor in Education & Policy

Code	Title	Credits
Minor in Education & Policy		
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 317GZ	Educational Equity	4
EDU 331	Teaching and Learning	2
10 additional elective credits from the following courses:		10
BUS/POS 306	Public Administration	
POS 100	American Politics and Government	
POS 211	The Political Quest	
POS/PSY 317	Political Psychology	
POS 342	American Public Policy ¹	
SOC 101	Introduction to Sociology	
SOW 210Z	Introduction to Social Work	
SOW 240	Socioeconomic & Justice Issues in Market Economies	
SOW 312	History of Social Change Through Policy ²	
Total Credits		20

¹ POS 100 or Consent of Instructor is a prerequisite for this course.

² POS 100 (may be taken concurrently), SOW 180, and SOW 210Z are prerequisites for this course.
Courses whose number is followed by a letter fulfill a General Education requirement.

Minor in Education: Teaching Preparation

Code	Title	Credits
Minor in Education: Teaching Preparation		
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 203	School Health and Drugs	2
EDU 220	Introduction to Middle Level Education	3
EDU 240	Educational Psychology	3
EDU 241	Educational Psychology Field Experience	1
EDU 317GZ	Educational Equity	4
EDU 320	Pedagogy and the Young Adolescent Learner	1
EDU 321	Integrated Literacy in the Content Areas	1

Choose from one of the following Graduate level Methods courses:		4
EDUC 672	Science 5-12 Teaching Methods ^{1,2}	
EDUC 674	Visual Arts K-12 Teaching Methods ^{1,2}	
EDUC 689	Business 5-12 Teaching Methods ¹	
Total Credits		23

¹ TEAC 524 and TEAC 526 are prerequisites for this course.

² Candidates will cross enroll in the Graduate courses as a College of Arts and Sciences students. Courses whose number is followed by a letter fulfill a General Education requirement.

Code	Title	Credits
Minor in Education: Teaching Preparation Graduate level Courses		
This minor serves as a pathway to the Bethel Education's Graduate School program in an effort to complete:		
EDUC 643	Field Experiences in School-based Settings	3
EDUC 753	Teacher Candidate Seminar	3
One of the following Student Teaching Placement options: ¹		5-6
EDUC 778	Student Teaching Placement I	
or		
EDUC 778 & EDUC 781	Student Teaching Placement I and Student Teaching II	
Total Credits		11-12

¹ Candidates must apply to the Bethel Graduate School and enroll in the seminar and student teaching courses concurrently.

Incorporating this minor with a B.A. in approved content could lead toward a teaching license in the content via completion of student teaching in Bethel's Graduate School.

Minor in Sociocultural Studies of Education

Code	Title	Credits
Minor in Sociocultural Studies of Education		
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 317GZ	Educational Equity	4
EDU 331	Teaching and Learning	2
10 additional elective credits from the following courses:		10
ANT 200	Introduction to Anthropology	
COM 315GZ	Culture and Communication in a Global Context	
EDU 236UZ	Exploring British Education and Culture	
HIS 302	History of Sexuality in the United States	
PHI 220L	Philosophies of Race and Gender in America	
PHI 223L	Introduction to Gender Studies	
PSY 308G	Cross-Cultural Psychology	
SOC 255	Introduction to American Culture	
SOW 180	Human Behavior and the Social Environment	

SOW 312	History of Social Change Through Policy ¹	
SOW 327G	Identity, Diversity, and Social Justice	
Total Credits		20

¹ POS 100 (may be taken concurrently), SOW 180, and SOW 210Z are prerequisites for this course. Courses whose number is followed by a letter fulfill a General Education requirement.

Minor in Special Education

Code	Title	Credits
Minor in Special Education		
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
SPD 205	Introduction to Special Education	2
SPD 209	Introduction to Academic and Behavior Support	4
SPD 318	Foundations of Instructional Strategies for Students with Mild-Moderate Disabilities	4
SPD 332	Responsive Intervention and Assessment	4
SPD 342	Introduction to Student Mental Health and Systems Comprehensive of Support	4
Total Credits		22

Students may not declare a B.A. in Special Education K-12 Academic Behavioral Strategist and a Minor in Special Education.

Endorsements

Though not required, students may choose to complete one or more endorsements in order to pursue areas of interest, or to complement their major. Students must choose from the endorsements in this catalog and may not create an individualized endorsement. Endorsements range between 6-17 semester credit hours. Endorsements may have additional non-credit requirements. Students may choose to take additional credits toward the endorsement or use their elective credits. Upon completion of a degree, an endorsement is listed as a comment on the academic transcript.

College of Arts and Sciences Endorsements

- Classics (p. 167)
- Healthcare Pathways (p. 167)
- Healthcare Professional Preparation (p. 168)
- Intercultural Engagement (p. 168)
- Military and Diplomatic Studies (p. 169)
- Music Performance (p. 169)

Endorsement in Classics

Code	Title	Credits
Endorsement in Classics		
GRK 101	Introductory Biblical Greek I	4
HIS 310	History of Ancient Greece	4
HIS 311	History of Ancient Rome	4
Choose one from the following courses:		4
BIB 331G	Cultural and Literary World of the New Testament	
BIB 334G	Cultural and Literary World of the Old Testament	
PHI 360	Classical Political Thought	
Total Credits		16

Courses whose number is followed by a letter fulfill a General Education requirement.

Endorsement in Healthcare Pathways

The healthcare pathways endorsement prepares students to tackle the industry's most pressing issues. Through focused academic course work, intentional exploration of healthcare and health careers, individual career counseling, and internships with corporate partners, students get a tailored educational experience aimed at preparing them for a career in healthcare.

To learn more about the healthcare endorsement or to apply, visit <https://www.bethel.edu/academics/pathways/healthcare-excellence/healthcare-endorsement>

Code	Title	Credits
Healthcare Pathways Endorsement		
CHL 110	Introduction to Healthcare	2
COM 209	Health Communication	4
Choose one of the following experiences:		0-4
HCE 481	Healthcare Related Internship	

A Departmental internship with healthcare emphasis		
A non-academic internship		
Choose one of the following courses:		2-4
ENS/PHI 335K	Environmental Ethics	
GES 390K	Decision-Making and Medical Technology	
PHI 110	Introduction to Ethics	
THE 263	Christian Social Ethics	
Total Credits		8-14

The healthcare pathways endorsement is indicated on the transcript of students who have completed program requirements and have a cumulative GPA of 3.0 or higher at the time their degree is awarded.

Courses whose number is followed by a letter fulfill a General Education requirement.

Endorsement in Healthcare Professional Preparation

The Healthcare Professional Preparation endorsement provides a broad, multi-disciplined foundation for students majoring in any healthcare profession, e.g., nurses, pre-med, pre-PAs, pre-PT, social workers, chaplain. Students have the opportunity to develop areas of knowledge and skills that complement their academic major in the healthcare field.

Code	Title	Credits
Healthcare Professional Preparation Endorsement		
BIO 105	Medical Terminology	2
CHL 110	Introduction to Healthcare	2
Choose one of the following courses:		2-4
COM 209	Health Communication	
COM 220	Group Communication	
COM 340	Facilitating Difficult Conversations	
Choose one to three of the following courses:		1-8
CHL 112	Public and Community Health	
COM 368	Nonverbal Communication	
GES 390K	Decision-Making and Medical Technology	
GES 420P	Bioethics	
PSYC 345	The Body's Response to Trauma	
SOC 101	Introduction to Sociology	
SOW/NUR 431	Conversations about End of Life	
Total Credits		7-16

Courses whose number is followed by a letter fulfill a General Education requirement.

Endorsement in Intercultural Engagement

Code	Title	Credits
Endorsement in Intercultural Engagement		
Core Courses (choose two):		8

Comparative Systems (G) course	
Second Language (S) course	
World Cultures (U) course	
Required Experience (choose one):	3-18
One semester abroad (12-18 credits)	
One semester off-campus in a Bethel-approved domestic program that engages a different culture(s) (12-18 credits)	
One summer abroad (3-6 credits)	
One January Session abroad with an affiliate program (3-6 credits)	
Required Activities:	
Membership in United Cultures of Bethel (UCB) for at least one semester	
Attend 5 relevant events on campus (e.g., Reconciliation Studies forum) or off-campus (e.g., colloquium, reading)	
Attend the Office of International and Off-Campus Programs' Pre-Departure Orientation and Re-entry workshops	
Total Credits	11-26

Endorsement in Military and Diplomatic Studies

Code	Title	Credits
Endorsement in Military and Diplomatic Studies		
POS 202U	Introduction to International Relations	4
Choose one Political Science course:		4
POS 310	American Foreign Relations	
POS 313G	Globalization and International Institutions	
Choose two History courses:		8
HIS 230L	World War I	
HIS 231L	World War II	
HIS 305G	The Cold War	
HIS 356	Modern Middle East	
Total Credits		16

Courses whose number is followed by a letter fulfill a General Education requirement.

Endorsement in Music Performance

Code	Title	Credits
Endorsement in Music Performance		
Choose from the following:		6-8
MUE 101A	Chamber Choir ¹	
MUE 131A	Handbell Ensemble	
MUE 141A	Chamber Ensemble	
MUE 151A	Jazz Orchestra ²	
MUE 161A	Chamber Winds ⁴	
MUP 101A	Lucia Chorum	
MUP 111A	Bethel Choir	
MUP 121A	Royal Register ⁵	

Endorsement in Music Performance 170

MUP 150A	Bethel Philharmonic Orchestra	
MUP 153A	Bethel Chamber Orchestra	
MUP 163A	Wind Symphony	
MUS 240	Producing and Performing an Opera	
MUS 340	Producing and Performing an Opera	
THA 202A	Producing and Performing a Musical ⁶	
THA 302	Producing and Performing a Musical ³	
Credits in MUL101A - MUL439 (Private Lessons)		6-8
Total Credits		12-16

¹ Participation in Bethel Choir, Lucia Chorum, or Royal Register is a prerequisite for this course.

² Approval of director of instrumental activities is a prerequisite for this course.

³ THA 202A and Audition for and casting in the show are prerequisites for this course.

⁴ Participation in Wind Symphony or Approval of director of instrumental activities is a prerequisite for this course.

⁵ Audition and the ability to sing at least folk song melody are prerequisites for this course.

⁶ Audition and casting in the show are prerequisites for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Engineering

The Department of Physics and Engineering (<https://www.bethel.edu/undergrad/academics/physics/>) offers multiple ways for students to pursue engineering while obtaining a strong Christian liberal arts and science background. Bethel offers B.S. degrees in Computer Engineering, Electrical Engineering, Mechanical Engineering, and Software Engineering. These are 4-year programs that can be completed entirely at Bethel University. If a student desires an engineering major not offered at Bethel, the B.A./B.S. Dual-Degree Engineering program is available. In this program, students earn both a B.A. from Bethel University and an engineering degree in their desired major from another institution. Students also have the option of combining a minor in engineering with another major.

Educational Outcomes

The engineering programs are designed to provide their graduates a solid educational foundation on which they can build successful and sustainable careers in engineering or a related field, using their God-given talents and skills to further His kingdom as their careers develop. In particular, graduates of the engineering programs will be prepared to do the following:

1. To be employed or pursue an advanced degree in their engineering discipline or other related fields.
2. To be productive members of interdisciplinary teams.
3. To assume leadership positions in their industry, their continuing education, or in their communities, as their careers develop. To continue their professional development and engage in the life-long learning necessary for a sustainable career.

Student Outcomes

The student outcomes for the engineering programs at Bethel University are:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs

with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Advanced Placement: The Department of Physics and Engineering (<https://www.bethel.edu/undergrad/academics/physics/>) requires a score of 4 or better on an AP exam in order for the exam to be used to fulfill course requirements in the majors it offers. Students with a score of 3 will receive elective credit or receive credit toward General Education requirements. Students should consult the department chair with questions on AP exams and requirements for majors.

B.S. in Computer Engineering

This major equips graduates with the skill set needed to work in the Computer Engineering field. It is a multi-disciplinary program built upon a combination of key courses in mathematics, computer science, physics, and electrical engineering. The work of Computer Engineers is to research, design, develop, and test computer systems and components such as processors, circuit boards, memory devices, networks, and routers. They update existing computer equipment so it will work with new software, oversee the manufacturing process for computer hardware, and maintain knowledge of computing trends and new technology. They may discover new directions in computer hardware and design non-computer devices that incorporate

processors and other computer components that connect to the internet.

B.S. in Electrical Engineering

Electrical Engineers focus on creating electrical and electronic devices — ranging in size from tiny microchips to huge power station generators. They work in industries which include consumer electronics, communications, medical devices, automotive, oil and gas, and power production. Electrical engineers integrate electronics, sensors and microprocessors/controllers to create systems that perform specific functions. Design, simulation, manufacturing, and testing are included in the job responsibilities of electrical engineers. Our program is based around our nationally-recognized, experience-oriented approach to teaching engineering, applied physics, and physics and includes projects and/or lab experiences in most courses. Graduates will have a strong base in physics, math, and computer science, in addition to the distinct advantages of an education rooted in the Christian liberal arts. Hands-on experiences, strong ethics, and good communication skills are emphasized in this program.

B.S. in Mechanical Engineering

Mechanical engineering is generally considered the broadest of engineering fields. Mechanical engineers create a wide variety of designs, from internal combustion engines to medical devices, and they oversee the manufacture of these products. Mechanical engineers integrate sensors, controllers, transducers, and machinery. They rely on a good understanding of physics, particularly focusing on the laws of motion and the conservation of mass and energy. Simulation and testing are important components of their work. This program builds on our nationally-recognized, broad-based, experience-oriented approach to teaching engineering and physics with faculty that have doctorates in Electrical, Mechanical, and Aeronautical Engineering, in addition to traditional and applied physicists. Students will have a strong base in physics, math, and computer science, in addition to the distinct advantages of an education rooted in the Christian liberal arts. An emphasis on extensive

hands-on experience, strong ethics, and good communication skills characterize the program.

B.S. in Software Engineering

This major prepares students for success in a rapidly growing field. The program is based within the Department of Mathematics and Computer Science (<https://www.bethel.edu/undergrad/academics/math-cs/>) and is taught by a highly-credentialed faculty with exceptional teaching expertise. Graduates working as software engineers will ensure that overall software systems function well within their intended hardware environments. Because graduates will also have completed Bethel's strong general education program, they can provide clients and/or employers with service that is creative, problem-focused, collegial, and clearly-articulated. A well-developed Christian commitment enables them to work to the highest ethical and performance standards.

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

The Dual-Degree Engineering Program is designed to allow Bethel students to complete a major in engineering besides the four fields that Bethel offers. Common examples are Civil, Aeronautical, Chemical, and Biomedical Engineering. Students earn both a B.A. from Bethel University and an engineering degree from another 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 B.A. degree. Students benefit from small introductory class sizes and the Christian emphasis at Bethel while obtaining their engineering degree from any widely respected and recognized school of engineering that offers the engineering field of their choice.

Arrangements to complete the Dual-degree Engineering Program can be made with almost any school of engineering on an individual basis, enabling students to transfer to the school of their choice. Graduation requirements can normally be met in five years or less of full-time study. The program is typically arranged as three years at Bethel University and two years at the cooperating university, although students

may elect to spend more time at either or both institutions.

Program Requirements for a Dual-Degree in Engineering:

1. All General Education requirements as prescribed in this catalog must be met, except the writing and speaking proficiency courses within the major.
2. Formal application must be made to the chair of the Bethel University Department of Physics and Engineering.
3. Transfer requirements for the cooperating school of engineering must be met.
4. All requirements for an engineering degree at a school of engineering must be completed. The bachelor of arts degree in engineering from Bethel University is not awarded until requirements for degrees from both universities have been met.

Many of Bethel's physics and engineering courses are pre-approved engineering courses by various other schools of engineering. A listing of such courses approved by the University of Minnesota is available from the Department of Physics and Engineering.

Graduate Engineering Program

An increasingly popular option with our students is to major in physics or applied physics and then earn a graduate degree in fields such as Biomedical, Civil, Electrical, Mechanical, Industrial, or Aerospace Engineering.

Normally this means 4 years at Bethel followed by 2 years in graduate school. At the end of 6 years, students have both a B.S. from Bethel and an M.S. from the graduate school of their choice. Many students have also pursued a Ph.D. in engineering. This approach is particularly appealing for those interested in a career that is more involved with engineering research and development.

Typically, our students get full financial support during their graduate work through research or teaching assistantships, tuition waivers, or even fellowships. A few have finished their master's degree in less than 2 years.

Graduate work can be and has been done at a wide range of fine schools.

Majors in Engineering

- B.S. in Computer Engineering (p. 178)
- B.S. in Electrical Engineering (p. 179)
- B.S. in Mechanical Engineering (p. 180)
- B.S. in Software Engineering (p. 146)
- B.A. in Engineering (Dual-Degree Program) (p. 177)

Minor in Engineering

- Engineering (p. 182)

ENR 160 • Introduction to Engineering 2 Credits
Introduction to engineering fields, engineering practice, engineering work, and the tools and techniques that engineers use. Topics include: engineering design process and methodology, the development of specifications and prototypes, and the ethics and responsibilities of engineers.
Offered: Fall.

ENR 260 • Careers in Engineering and Physics Seminar 1 Credit
Developing careers in high-technology fields such as engineering and physics. Explores the wide variety of specific careers possible through video, lecture, tours, and guest speakers. Develops practical professional skills such as writing resumes and cover letters, accumulating connections and experience, and techniques for interviewing.
Prerequisites: PHY 296/PHY 297. Offered: Fall.
Special Notes: This course carries cross-credit in physics.

ENR 265 • Computer Aided Design and Engineering 2 Credits
An introduction to computer aided design tools and techniques. Emphasizes the generation of engineering graphics necessary for the engineering design process, such as two-dimensional drawing and three-dimensional solid modeling. Other topics may include simulation modeling and manufacturing considerations.
Offered: Fall. Special Notes: ENR 160 is a recommended prerequisite.

ENR 304 • Engineering Materials and Manufacturing 3 Credits

Introduction to material properties and selection for engineering applications. Topics include: materials and their characteristics; design-based material selection; crystallography; material properties; fracture; fatigue; phase diagrams; engineering alloys; forming, separation, and shaping as manufacturing process for materials; processing of materials according to their properties; surface treatments.

Prerequisites: MAT 125; CHE 113/CHE 113D; PHY 292/PHY 292D with a grade of a C or higher. *Corequisites:* Concurrent registration in ENR 305 is required. Offered: Fall, odd # years.

ENR 305 • Engineering Materials and Manufacturing Lab 1 Credit

Laboratory experience accompanying ENR 304. *Corequisites:* Concurrent registration in ENR 304 is required. Offered: Fall, odd # years.

ENR 306 • Digital Logic and Design 3 Credits

Topics may include Boolean algebra, design and optimization of combinational and sequential logic, the use of programmable logic devices such as FPGA, VHDL or Verilog modeling, and an introduction to processors and memory. Extensive lab experience in the simulation, design, construction and testing of digital circuits.

Prerequisites: PHY 302/PHY 303 and MAT 125. *Corequisites:* Concurrent registration in ENR 307 is required. Offered: Spring, even # years.

ENR 307 • Digital Logic and Design Lab 1 Credit

Lab experience accompanying ENR 306. *Corequisites:* Concurrent registration in ENR 306 is required. Offered: Spring, even # years.

ENR 308 • Statics and Mechanics of Materials 4 Credits

Force and moment vectors, equilibrium of rigid bodies in two and three dimensions; trusses, friction, centroids, and moments of inertia. Linear elasticity; introduction to stress and strain analysis applied to beams, vessels, pipes, and combined loading; stress and strain; axial, flexural, and torsional deflections for linear elastic materials.

Prerequisites: MAT 223 (may be taken concurrently) and PHY 292/PHY 292D with a grade of a C or higher. Offered: Spring, odd # years.

ENR 316 • Analog Circuitry and Design 3 Credits

Feedback principles and electronic circuit theory and device theory applied to multistage transistor amplifiers. Detailed study of operational amplifiers. Power supply design. Nonlinear circuits. Introduction to filter theory, noise analysis, and low noise design. Circuit design and construction experience emphasized in projects and the laboratory.

Prerequisites: PHY 302/PHY 303; [MAT 222 or MAT 224 (may be taken concurrently)] *Corequisites:* Concurrent registration in ENR 317 is required. Offered: Fall, odd # years.

ENR 317 • Analog Circuitry & Design Lab 1 Credit

Lab experience accompanying ENR 316. *Corequisites:* Concurrent registration in ENR 316 is required. Offered: Fall, odd # years.

ENR 318 • Engineering Thermal Science 3 Credits

Fundamental laws of thermodynamics. Energy transfer modes. The properties, equations of state, processes, and cycles for reversible/irreversible thermodynamic systems. Equations for conservation of mass and energy, plus entropy balances. Application of thermodynamic principles to modern engineering systems.

Prerequisites: PHY 292/PHY 292D with a grade of a C or higher and MAT 223. Offered: Spring, even # years.

ENR 321 • Statistical Methods in Engineering 2 Credits

Development of skill in statistical techniques useful to practicing engineers. Included are: random variables and processes; probability distributions and cumulative functions; confidence intervals; hypothesis testing; quality control; random sampling.

Prerequisites: [MAT 222 or MAT 224 (may be taken concurrently)] and MAT 223. Offered: Fall.

ENR 322 • Mathematical Methods in Physics and Engineering 2 Credits

Development of skill in mathematical techniques useful in the solution of physics and engineering problems. Included are Fourier analysis; complex numbers; partial differential equations and their solutions.

Prerequisites: [MAT 222 or MAT 224 (may be taken concurrently)] and MAT 223. Offered: Fall. *Special Notes:* This course carries cross-credit with physics. ENR 321 is a strongly encouraged prerequisite.

ENR 326 • Circuit Analysis & Simulations 4 Credits

Circuit analysis techniques as applied to sinusoidal steady state analysis with power calculations, first and second order transient analysis in both time and Laplace domains, three-phase circuits and magnetically coupled circuits. Additional topics include: frequency response, resonance, filters, Bode plots. Simulation of electrical and electronic circuits are emphasized. *Prerequisites:* [MAT 222 or MAT 224 (may be taken concurrently)] and MAT 223 and PHY 302/PHY 303. *Offered:* Spring, odd # years.

ENR 336 • Signals and Systems 4 Credits

Continuous and discrete-time signals and systems. Topics include: definitions and properties of signals and systems, convolution, solution of differential and difference equations, Laplace and Z transforms, and Fourier analysis. Emphasis on applications to signal processing, communication and control systems. *Prerequisites:* MAT 222 or MAT 224; PHY 302/PHY 303; ENR 352/PHY 352/ENR 353/PHY 353. *Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit with physics.

ENR 340 • Mechanics 4 Credits

Particle and rigid body dynamics, conservative and nonconservative forces, central forces, accelerated coordinate systems, and Lagrange's equations of motion. *Prerequisites:* PHY 296/PHY 297 with a C grade or higher and MAT 223. *Offered:* Fall. *Special Notes:* This course carries cross credit in physics.

ENR 348 • Heat Transfer 3 Credits

Further development of the understanding of thermodynamics, fluid mechanics, mathematics, and physics. The problems in heat transfer and system design are emphasized for systems in which thermal transport processes are important.

Prerequisites: ENR 318 and MAT 222 or MAT 224. *Offered:* Spring, odd # years.

ENR 352 • Computer Methods in Physics and Engineering 3 Credits

Application of the computer to solve 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:* COS 101 or COS 111 and MAT 223 or MAT 224 and PHY 296/PHY 297 with a grade of a C or higher or Consent of instructor. *Corequisites:* Concurrent registration in ENR 353 is required. *Offered:* Spring. *Special Notes:* PHY 302/PHY 303 is a recommended prerequisite. This course carries cross-credit in physics.

ENR 353 • Computer Methods in Physics and Engineering Lab 1 Credit

Laboratory experience accompanying ENR 352. *Corequisites:* Concurrent registration in ENR 352 is required. *Offered:* Spring. *Special Notes:* This course carries cross-credit in physics.

ENR 356 • Applied Strength of Materials 3 Credits

How the fundamental concepts of stress, strain, and deformation associated with mechanical loading are used in mechanical design. Topics include: axial tensile and compressive effects, torsion, and bending; stress-strain relationships, safety factor, beam deflection methods, buckling, failure prevention theories for ductile and brittle materials, fatigue-life methods and fatigue failure criteria. *Prerequisites:* ENR 265; ENR 304/ENR 305 (may be taken concurrently); ENR 308; MAT 223. *Offered:* Fall, odd # years.

ENR 358 • Design of Mechanical Components 4 Credits

Emphasizes product design. Developing a mechanical component design problem. Selecting standard mechanical components such as bearings, gears, springs, and fasteners. Analysis and synthesis of motion in machines. Displacement, velocity, and acceleration of mechanisms. Introduction to lubrication theory, flexible mechanical elements, and power transmissions. *Prerequisites:* ENR 356. *Offered:* Spring, even # years. *Special Notes:* PHY 340 is a recommended prerequisite.

ENR 402 • Mechanical Measurements Lab 3

Credits

A laboratory course focused on careful measurements of physical properties such as temperature, pressure, stress, force, emissivity, and vibration modes. Emphasis placed on experimental methods, statistical estimates of experimental uncertainty, methods of calibration, transducers for mechanical measurement, data acquisition and processing. Appropriate written and oral presentations of measurements.

Prerequisites: ENR 304/ENR 305; MAT 223; PHY 296/PHY 297. *Offered:* Spring, even # years.

ENR 420 • Software Process 3 Credits

Balancing the various real-world challenges that a software engineer encounters, including ambiguity, conflicting requirements, task-time estimation, team dynamics, requests from customers, product managers or architects.

Prerequisites: COS 277 with a C- or higher. *Offered:* Spring, odd # years. *Special Notes:* This course carries cross credit with computer science. ENR 477 is a recommended prerequisite.

ENR 422 • Fluid Mechanics 3 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.

Prerequisites: MAT 223 and PHY 296/PHY 297 with a grade of a C or higher or Consent of instructor. *Corequisites:* Concurrent registration in ENR 423 is required. *Offered:* Fall. *Special Notes:* This course carries cross-credit in physics.

ENR 423 • Fluid Mechanics Lab 1 Credit

Laboratory experience accompanying ENR 422. *Corequisites:* Concurrent registration in ENR 422 is required. *Offered:* Fall. *Special Notes:* This course carries cross-credit in physics.

ENR 424 • Electronic Materials and Devices 3 Credits

Theory and application of condensed matter and materials. Physical origin of electrical, optical, mechanical, thermal, and magnetic properties. Emphasis on devices such as pn junction diodes, LEDs, piezoelectrics, and sensors.

Prerequisites: PHY 302/PHY 303 or PHY 312/PHY 313. *Corequisites:* Concurrent registration in ENR 425 is required. *Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit in physics.

ENR 425 • Electronic Materials and Devices

Laboratory 1 Credit

Laboratory component of ENR 424. Explores characterization of materials and the design, fabrication, and testing of devices.

Corequisites: Concurrent registration in ENR 424 required. *Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit in physics.

ENR 436 • Microprocessors 3 Credits

Advanced principles of microcomputer hardware and software. Topics include: computer organization, instruction sets and addressing modes, assembly language programming, arithmetic and logic operations, input/output, buffers, interrupts and special purpose features such as A/D converters.

Prerequisites: ENR 306/ENR 307. *Corequisites:* Concurrent registration in ENR 437 is required. *Offered:* Fall, even # years.

ENR 437 • Microprocessors Lab 1 Credit

Lab experience accompanying ENR 436.

Corequisites: Concurrent registration in ENR 436 is required. *Offered:* Fall, even # years.

ENR 446 • Control Systems 3 Credits

Time and frequency domain representation of feedback control systems. Topics include: stability criteria, root locus methods, frequency response techniques, digital implementation and hardware considerations.

Prerequisites: PHY 302/PHY 303; MAT 222 or MAT 224 (may be taken concurrently). *Corequisites:* Concurrent registration in ENR 447 is required. *Offered:* Spring, odd # years.

ENR 447 • Control Systems Lab 1 Credit

Lab experience accompanying ENR 446.

Corequisites: Concurrent registration in ENR 446 is required. *Offered:* Spring, odd # years.

ENR 450 • Topics in Physics and Engineering 3-4 Credits

Topics selected from various fields of engineering and physics for the purpose of illustrating the practical application of physical principles. Emphasis on developing the skills and viewpoints commonly used by engineers and physicists. The field of engineering or physics is announced prior to registration.

Prerequisites: Consent of instructor. *Offered:* Occasionally. *Special Notes:* This course may be repeated when a different topic is emphasized. This course carries cross-credit in physics.

ENR 465 • Engineering Design Seminar 1 Credit

Prepares students for engineering practice through a major design experience. Design projects have a major engineering component to them and are intentionally multi-disciplinary in nature. Students work in teams to design a system to meet a given specification that requires the incorporation of relevant engineering standards.

Prerequisites: Senior standing and Major in engineering. Offered: Fall.

ENR 477 • Software Engineering 2 Credits

Formal approach to the design and development of software. Design methodologies include object-oriented design, components, design patterns, and event-driven design. Project management, walkthroughs, documentation, team programming, and the development of a significant software project.

Prerequisites: COS 277 with a C- or higher. Offered: Spring, even # years. Special Notes: This course carries cross credit with computer science.

ENR 490 • Engineering Design Project 3 Credits

Prepares students for engineering practice through a major design and prototyping experience. The design produced in ENR 465 is the basis for building a prototype system. The prototype incorporates relevant engineering standards. Final designs and prototypes are documented in a professional manner and presented publicly.

Prerequisites: ENR 465. Offered: Spring.

B.A. in Engineering

Code	Title	Credits
Major in Engineering (B.A./B.S. Dual-Degree) ⁴		
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
COS 111	Introduction to Programming	4
ENR/PHY 260	Careers in Engineering and Physics Seminar	1
ENR 321	Statistical Methods in Engineering	2
ENR 352 & ENR 353	Computer Methods in Physics and Engineering and Computer Methods in Physics and Engineering Lab	4
MAT 124M	Calculus 1 ³	4
MAT 125	Calculus 2	4
MAT 223	Multivariable Calculus	4
MAT 224	Differential Equations with Linear Algebra	4
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
Choose 8 credits of electives from the following:		8
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab ²	
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab ²	
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab ²	
ENR 308	Statics and Mechanics of Materials	

ENR 422 & ENR 423	Fluid Mechanics and Fluid Mechanics Lab	
ENR 424 & ENR 425	Electronic Materials and Devices and Electronic Materials and Devices Laboratory ⁵	
ENR 450	Topics in Physics and Engineering ⁶	
PHY 302 & PHY 303	Electronics and Electronics Lab	
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab	
PHY 340	Mechanics	
Code	Title	Credits
Major		47
General Education *		40-48
Electives ¹		27-35
Total Credits		122

¹ The additional studies taken at another school of engineering will fulfill the elective requirements for graduation from Bethel. All requirements for an engineering degree at another school of engineering must be complete to receive Bethel degree.

² Required for chemical engineering. CHE 344/CHE 345 and CHE 348 strongly recommended.

³ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

⁴ Degree must be completed at another school of engineering.

⁵ PHY 302/PHY 303 or PHY 312/PHY 313 is a prerequisite for this course.

⁶ Consent of instructor is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Engineering and a Minor in Engineering.

B.S. in Computer Engineering

Code	Title	Credits
Major in Computer Engineering (B.S.)		
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 235	Computer Systems	4
COS 277	Software Development Fundamentals	4
COS 335	Computer Security	3
COS 386	Data Communications and Computer Networks	3
COS 450	Humans and Computers	2
ENR 160	Introduction to Engineering	2
ENR 306 & ENR 307	Digital Logic and Design and Digital Logic and Design Lab	4
ENR 316 & ENR 317	Analog Circuitry and Design and Analog Circuitry & Design Lab	4
ENR 321	Statistical Methods in Engineering	2
ENR 336	Signals and Systems	4
ENR/PHY 352	Computer Methods in Physics and Engineering	3

ENR/PHY 353	Computer Methods in Physics and Engineering Lab	1
ENR 436 & ENR 437	Microprocessors and Microprocessors Lab	4
ENR 465	Engineering Design Seminar	1
ENR 490	Engineering Design Project	3
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 223	Multivariable Calculus	4
MAT 224	Differential Equations with Linear Algebra	4
MAT 242	Introduction to Proofs	2
MAT 248	Mathematics of Computer Science	4
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
Choose one of the following courses:		0-1
COS 299	Careers in Mathematics and Computer Science Seminar	
ENR 260	Careers in Engineering and Physics Seminar	

Code	Title	Credits
Major		86-87
General Education *		40-48
Total Credits		127-134

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.S. in Computer Engineering and a Minor in Computer Science. Students may not declare a B.S. in Computer Engineering and a Minor in Engineering.

B.S. in Electrical Engineering

Code	Title	Credits
Major in Electrical Engineering (B.S.)		
COS 111	Introduction to Programming	4
ENR 160	Introduction to Engineering	2
ENR/PHY 260	Careers in Engineering and Physics Seminar	1
ENR 306 & ENR 307	Digital Logic and Design and Digital Logic and Design Lab	4
ENR 316 & ENR 317	Analog Circuitry and Design and Analog Circuitry & Design Lab	4
ENR 321	Statistical Methods in Engineering	2
ENR 322	Mathematical Methods in Physics and Engineering	2
ENR 326	Circuit Analysis & Simulations	4

B.S. in Mechanical Engineering 180

ENR 336	Signals and Systems	4
ENR/PHY 352	Computer Methods in Physics and Engineering	3
ENR/PHY 353	Computer Methods in Physics and Engineering Lab	1
ENR 424 & ENR 425	Electronic Materials and Devices and Electronic Materials and Devices Laboratory	4
ENR 436 & ENR 437	Microprocessors and Microprocessors Lab	4
ENR 446 & ENR 447	Control Systems and Control Systems Lab	4
ENR 465	Engineering Design Seminar	1
ENR 490	Engineering Design Project	3
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 223	Multivariable Calculus	4
MAT 224	Differential Equations with Linear Algebra	4
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab	4
PHY 400	Electricity and Magnetism	4
Choose one of the following Optics Science courses:		4
PHY 332 & PHY 333	Optics and Optics Lab	
PHY 432 & PHY 433	Laser Fundamentals and Laser Fundamentals Lab	

Code	Title	Credits
Major		87
General Education *		40-48
Total Credits		127-135

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.S. in Electrical Engineering and a Minor in Engineering.

B.S. in Mechanical Engineering

Code	Title	Credits
Major in Mechanical Engineering (B.S.)		
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
COS 101	Introduction to Procedural Programming	2

ENR 160	Introduction to Engineering	2
ENR 260	Careers in Engineering and Physics Seminar	1
ENR 265	Computer Aided Design and Engineering	2
ENR 304 & ENR 305	Engineering Materials and Manufacturing and Engineering Materials and Manufacturing Lab	4
ENR 308	Statics and Mechanics of Materials	4
ENR 318	Engineering Thermal Science	3
ENR 321	Statistical Methods in Engineering	2
ENR 322	Mathematical Methods in Physics and Engineering	2
ENR/PHY 340	Mechanics	4
ENR 348	Heat Transfer	3
ENR 352 & ENR 353	Computer Methods in Physics and Engineering and Computer Methods in Physics and Engineering Lab	4
ENR 356	Applied Strength of Materials	3
ENR 358	Design of Mechanical Components	4
ENR 402	Mechanical Measurements Lab	3
ENR 422 & ENR 423	Fluid Mechanics and Fluid Mechanics Lab	4
ENR 446 & ENR 447	Control Systems and Control Systems Lab	4
ENR 465	Engineering Design Seminar	1
ENR 490	Engineering Design Project	3
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 223	Multivariable Calculus	4
MAT 224	Differential Equations with Linear Algebra	4
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab	4
Code	Title	Credits
Major		91
General Education *		40-48
Total Credits		131-139

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.S. in Mechanical Engineering and a Minor in Engineering.

Minor in Engineering

Code	Title	Credits
Minor in Engineering		
ENR 160	Introduction to Engineering	2
PHY 292 & PHY 292D	General Physics I and General Physics I Lab ¹	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab ²	4
PHY 302 & PHY 303	Electronics and Electronics Lab ³	4
Electives from ENR courses, excluding ENR 352/ENR 353, which is not counted toward the student's major		8
Total Credits		22

¹ MAT 124M is a prerequisite for this course.

² MAT 125 is a prerequisite for this course.

³ MAT 125 or Consent of instructor is a prerequisite for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Engineering and a Minor in Engineering.

Students may not declare a B.S. in Computer Engineering and a Minor in Engineering.

Students may not declare a B.S. in Electrical Engineering and a Minor in Engineering.

Students may not declare a B.S. in Mechanical Engineering and a Minor in Engineering.

Students may not declare a B.S. in Software Engineering and a Minor in Engineering.

English and Journalism

We believe story has the power to change the world. We read deeply, listen hard, get curious, go explore, and craft stories that shape our souls and endeavor to change the world.

Students in English and Journalism (<https://www.bethel.edu/undergrad/academics/english-journalism/>):

- BEGIN with a foundation in professional writing, literature, creative writing, or reporting.
- ADVANCE to deeper study with an array of specialty courses from World Literature to Sports Reporting to Writing for Social Change.
- CONNECT career to calling.
- PRACTICE with experiential learning in on-site internships and producing the *Clarion* newspaper and *Coeval* arts and literary magazine.
- EXPLORE the world through courses in Guatemala, India, Belize, and beyond.
- FORGE paths to the future with capstone projects and presentations.
- CELEBRATE accomplishments with a community of mentors and colleagues.

Our graduates work in law, literary publishing, newspapers, technical writing, nonprofit and ministry public relations, broadcast journalism, teaching, arts advocacy, and more.

Majors in English and Journalism

- B.A. in Communication Arts and Literature Education 5-12 (English Education) (p. 186)
- B.A. in English (p. 188)
- B.A. in Journalism (p. 189)

Minors in English and Journalism

- Creative Writing (p. 190)
- English (p. 190)
- Journalism (p. 190)
- Photojournalism (p. 191)

ENJ 100 • How Stories Change the World: How to Read and Why 4 Credits

Introductory exploration of great stories (both poetry and prose) and their power to illuminate the human experience, connect with readers' minds and hearts, and portray great ideas, hopes, joys, and sorrows. Students gain experience interpreting literature with greater comprehension and pleasure.

Offered: Fall or Spring.

ENJ 101 • British Literature I 4 Credits

Literary works from the British Isles beginning with Old English works and ending with works from the 18th century, with much attention on placing works studied in relationship to one another and to their cultural contexts. Authors may include the Beowulf poet, Chaucer, Shakespeare, Donne, Milton, Aphra Behn, and Pope.

Offered: Occasionally.

ENJ 102 • British Literature II 4 Credits

An exploration of selected writers and works from the Romantic, Victorian, and early 20th-century periods. Writers may include: Wordsworth, Shelley, Arnold, Tennyson, Hopkins, Austen, Woolf, Eliot. Enhance comprehension and appreciation through study of historical and cultural contexts as well as literary interpretation skills.

Offered: Spring.

ENJ 103 • Topics in American Literature 4 Credits

Major American authors studied in their historical and cultural contexts from the colonial era to the present.

Offered: Spring.

ENJ 110A • Introduction to Creative Writing 4 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.

Offered: Fall, Spring.

ENJ 120 • Reporting 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.

Offered: Fall.

ENJ 121 • Digital Storytelling 4 Credits
Experimentation in advanced forms of storytelling in multiple media – including images, audio/video and graphics – to build a more diverse set of storytelling tools, and understanding when and how to use them, especially on a storytelling team.
Offered: Spring.

ENJ 200L • Story in Modern America 4 Credits
Explores forms, purposes, and functions of American story and how they have evolved. Students examine their roles and responsibilities as truth-seekers by reading, viewing, and creating texts - from short story to graphic novel, from film to podcast - that challenge and confirm assumptions about story in modern American culture.
Prerequisites: GES 130 and GES 160 or GES 149.
Offered: Fall.

ENJ 201 • Literature on Location: Minnesota Authors 4 Credits
Explore Minnesota and the storytellers who have shaped its past and its present, and will shape its future. Learn how place matters in literature and how contexts matter in reading and writing. Read and experience Minnesota writers from Fitzgerald to Erdich in the landscapes of prairie, lakes, rivers, and cities.
Offered: January, odd # years.

ENJ 202 • Juvenile Literature 4 Credits
An exploration of a wide range of books written for children and teens in grades 5-9, as well as resources for effectively finding, reading, and interacting with them. Major topics of discussion include censorship, diversity, representation, and literary merit.
Offered: Spring, even # years.

ENJ 203U • World Literature 4 Credits
Focused study of literature from a non-western region of the world, examining social and historical contexts.
Prerequisites: GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). *Offered: Spring.*

ENJ 204L • Modern Mythmakers 4 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.
Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). *Offered: Occasionally.*

ENJ 210A • Prose Studio 4 Credits
A workshop for exploring and sharpening prose style in nonfiction forms utilized in blogs, personal essays, technical writing, and op-ed writing. Includes reading and writing in a variety of prose forms, voices, and topics to assist students in developing persuasive, precise, and personal writing styles.
Prerequisites: GES 130 and GES 160 or GES 149.
Offered: Occasionally.

ENJ 211 • Methods of Tutoring Writing 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.
Prerequisites: Consent of instructor. *Offered: Fall, Spring.* *Special Notes: This course is required of all first-time Writing Center tutors.*

ENJ 220 • Principles of Editing 4 Credits
Editing of copy for publication in newspapers, magazines, and online media. Exposure to the book publishing process. Course includes working with the Associated Press and Chicago Style manuals.
Offered: Fall 2024, Spring 2026.

ENJ 221 • Feature Writing 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 online or in print.
Prerequisites: ENJ 120. *Offered: Spring 2026.*

ENJ 300 • Shakespeare: The Art of the Dramatist 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.
Offered: Occasionally.

ENJ 305G • Truth-Telling: The Stories of Resistance 4 Credits

Literature, film, and stories that reveal truths regarding systems of oppression. Explores the struggle for justice through the narratives and the imaginative response of the oppressed. Literary historical foci include the Holocaust, the experience of Native Americans, African Americans, women, and the oppressed in Minnesota.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered:* Fall.

ENJ 307 • Monsters and the Monstrous 4 Credits

Monsters and the monstrous in literature, and their appeal to historical and literary imaginations. Selected works from classical to contemporary, approached primarily through genre and myth criticism. Probable works include: Perseus and Medusa, St. George and the Dragon, Frankenstein, Dracula, Dr. Jekyll and Mr. Hyde, and I Am Legend.

Prerequisites: ENJ 100. *Offered:* Occasionally.

ENJ 308 • Three Books that Changed Me 4 Credits

Develop practices of receptive reading and productive re-reading through in-depth exploration of three contemporary novels, research from various academic disciplines, and close examination of one's own reading experiences.

Prerequisites: ENJ 100. *Offered:* Occasionally.

ENJ 310 • Ways of Reading 4 Credits

Theory offers us a deeper way to engage with texts. Students interact with texts through a succession of perspectives and apply concepts and techniques for engaging with literature and culture in more perceptive and satisfying ways.

Prerequisites: ENJ 100. *Offered:* Occasionally.

ENJ 311 • Writing for Social Change 4 Credits

An exploration of persuasive writing through essays, blogs, and opinion pieces in which students use their writing skills to engage in public discourse of important issues in the hope of initiating social change.

Prerequisites: ENJ 120 or ENJ 210A. *Offered:* Occasionally.

ENJ 312AZ • Travel Writing 4 Credits

Art and craft of travel writing 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 happens. May also include reading literature and other books related to the place of travel.

Offered: January, odd # years.

ENJ 314A • Fiction Writing 4 Credits

Practice in modern narrative techniques. Emphasis on writing and peer criticism of short fiction.

Offered: Fall, even # years.

ENJ 315A • Poetry Writing 4 Credits

Metrics, imagery, and other techniques of versification, with practice in writing in a wide variety of genres.

Offered: Spring, even # years.

ENJ 317 • Publishing & Being Published 4 Credits

Connect with local literary publishing houses to learn about the editorial processes of professional publishing. Obtain hands-on experience by participating in all aspects of publishing Bethel's literary arts journal, Coeval: from reviewing submissions and selecting content to editing and designing. Students will also submit their own creative work for publication.

Prerequisites: ENJ 110A. *Offered:* Spring.

ENJ 321GZ • Media and Communication in Developing Countries 4 Credits

An examination of the socioeconomic, technological, and political factors that have influenced the development of communication systems in developing countries, with special emphasis on the role of Christian journalists. Includes comparative analysis of western media systems and those of developing nations.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course and Junior or senior standing. Offered:* January, even # years.

ENJ 323 • Sports Reporting 4 Credits

Develop skills in reporting, writing and multimedia storytelling, gain exposure to award-winning sports reporting and sports reporters in multiple media and learn to think critically about sports media, as a journalist, fan, consumer, teammate, ethicist, and Christian.

Prerequisites: ENJ 120. *Offered:* Spring 2027.

ENJ 324 • Arts & Culture Reporting 4 Credits
 Develop skills in reporting, writing and multimedia storytelling, gain exposure to award-winning arts and culture reporting and reporters in multiple media and learn to think critically about arts and culture media, as a journalist, fan, producer, consumer, ethicist, and Christian.
Prerequisites: ENJ 120 and ENJ 121. *Offered:* Spring 2025.

ENJ 325 • Topics in Journalism 4 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.
Prerequisites: ENJ 120. *Offered:* Occasionally.

ENJ 330 • Topics in Literary Studies 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: ENJ 100. *Offered:* Occasionally.

ENJ 400 • StoryForge I 2 Credits
 Prepare for StoryForge II and the future by reflecting on strengths and gaps, casting a vision, and developing a project or internship proposal. Hear from speakers and read texts that will help build one's faith in God and self-confidence as one thinks about life after college.
Prerequisites: Major or minor in the department of English and Journalism and Junior standing.
Offered: Spring. *Special Notes:* This course can be repeated for credit.

ENJ 498 • Internship in Writing 3-4 Credits
 Placement in an off-campus writing position. Must be planned well in advance of placement in consultation with advisor.
Prerequisites: Major or minor in English and Journalism department and Completion of 10 credit hours in English and journalism. *Offered:* By arrangement.

ENJ 499 • StoryForge II 4 Credits
 Launch from work in StoryForge I to complete a capstone project that implements and showcases skills gained throughout one's education in and outside the classroom. As crucible and scaffold, a structure for vibrant, responsive, sustainable independent work to bridge students to career, graduate school, or freelance work is modeled.
Prerequisites: ENJ 400 and a major in the department of English and Journalism. *Offered:* Fall. *Special Notes:* This course can be repeated for credit.

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

Code	Title	Credits
Major in Communication Arts and Literature Education 5-12 (English Education) (B.A.)		
COM 110	Basic Communication	4
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 203	School Health and Drugs	2
EDU 220	Introduction to Middle Level Education	3
EDU 240	Educational Psychology	3
EDU 241	Educational Psychology Field Experience	1
EDU 317GZ	Educational Equity	4
EDU 320	Pedagogy and the Young Adolescent Learner	1
EDU 321	Integrated Literacy in the Content Areas	1
EDU 407	Middle Level Education Field Experience in English	1
EDU 408	Methods in Teaching 5-12 English	3
EDU 490	Student Teaching Block	1-15

ENJ 100	How Stories Change the World: How to Read and Why	4
ENJ 120	Reporting	4
ENJ 121	Digital Storytelling	4
ENJ 200L	Story in Modern America	4
ENJ 202	Juvenile Literature	4
ENJ 211	Methods of Tutoring Writing ²	1

Choose two of the following: 8

ENJ 101	British Literature I	
ENJ 102	British Literature II	
ENJ 103	Topics in American Literature	
ENJ 203U	World Literature	
ENJ 300	Shakespeare: The Art of the Dramatist	
ENJ 305G	Truth-Telling: The Stories of Resistance	
ENJ 310	Ways of Reading	

Choose one Writing course: 4

ENJ 110A	Introduction to Creative Writing	
ENJ 221	Feature Writing	
ENJ 311	Writing for Social Change	
ENJ 314A	Fiction Writing	
ENJ 315A	Poetry Writing	

Choose one On-Location Learning course: 4

ENJ 201	Literature on Location: Minnesota Authors	
ENJ 312AZ	Travel Writing	
ENJ 321GZ	Media and Communication in Developing Countries	

Code	Title	Credits
Major		65-78
General Education ¹ *		40-48
Electives		4-9
Total Credits		122

¹ In order to meet requirements for endorsements and dual-majors this number is subject to change. Students should consult with their advisor.

² Consent of instructor is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students must complete at least one extracurricular activity such as drama, journalism, a literary journal, or other experience as determined in consultation with their advisor.

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

Students with K-12 licensure in Communication Arts and Literature Education may choose one or more Middle Level Endorsement. See endorsement area listing under Major in Elementary Education with Middle Level Endorsement in the Education section of this catalog.

Students may not declare a B.A. in Communication Arts and Literature Education 5-12 and a Minor in English.

B.A. in English

Code	Title	Credits
Major in English (B.A.)		
ENJ 100	How Stories Change the World: How to Read and Why	4
ENJ 200L	Story in Modern America	4
ENJ 317	Publishing & Being Published ¹	4
ENJ 400	StoryForge I	2
Choose one On-Location Learning course:		4
ENJ 201	Literature on Location: Minnesota Authors	
ENJ 312AZ	Travel Writing	
ENJ 321GZ	Media and Communication in Developing Countries	
Choose three Writing courses:		12
ENJ 110A	Introduction to Creative Writing	
ENJ 121	Digital Storytelling	
ENJ 221	Feature Writing ³	
ENJ 311	Writing for Social Change ⁴	
ENJ 314A	Fiction Writing	
ENJ 315A	Poetry Writing	
ENJ 323	Sports Reporting ³	
ENJ 324	Arts & Culture Reporting ²	
Choose three Literature courses:		12
ENJ 101	British Literature I	
ENJ 102	British Literature II	
ENJ 103	Topics in American Literature	
ENJ 202	Juvenile Literature	
ENJ 203U	World Literature	
ENJ 300	Shakespeare: The Art of the Dramatist	
ENJ 305G	Truth-Telling: The Stories of Resistance	
ENJ 310	Ways of Reading	
Choose one Capstone experience:		3-4
ENJ 498	Internship in Writing	
ENJ 499	StoryForge II	
Code	Title	Credits
Major		45-46
General Education *		44-52
Electives		25-32
Total Credits		122

¹ ENJ 110A is a prerequisite for this course.

² ENJ 120 or ENJ 121 is a prerequisite for this course.

³ ENJ 120 is a prerequisite for this course.

⁴ ENJ 120 or ENJ 210A is a prerequisite for this course.

* Courses followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in English and a Minor in English.

B.A. in Journalism

Code	Title	Credits
Major in Journalism (B.A.)		
ENJ 100	How Stories Change the World: How to Read and Why	4
ENJ 120	Reporting	4
ENJ 121	Digital Storytelling	4
ENJ 200L	Story in Modern America	4
ENJ 220	Principles of Editing	4
ENJ 400	StoryForge I	2
Choose one of the following from Technology Specialization:		4
COM 170A	Introduction to Media Production	
DES 105	Introduction to Digital Media	
Choose one On-Location Learning course:		4
ENJ 312AZ	Travel Writing	
ENJ 321GZ	Media and Communication in Developing Countries	
Choose two Focus Journalism courses:		8
ENJ 221	Feature Writing	
ENJ 311	Writing for Social Change	
ENJ 323	Sports Reporting	
ENJ 324	Arts & Culture Reporting	
Choose one Literature course:		4
ENJ 102	British Literature II	
ENJ 103	Topics in American Literature	
ENJ 201	Literature on Location: Minnesota Authors	
ENJ 202	Juvenile Literature	
ENJ 203U	World Literature	
ENJ 300	Shakespeare: The Art of the Dramatist	
ENJ 305G	Truth-Telling: The Stories of Resistance	
ENJ 310	Ways of Reading	
Choose one Capstone experience:		3-4
ENJ 498	Internship in Writing	
ENJ 499	StoryForge II	
Code	Title	Credits
Major		45-46
General Education *		44-52
Electives		25-32
Total Credits		122

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Journalism and a Minor in Journalism.

Minor in Creative Writing

Code	Title	Credits
Minor in Creative Writing		
ENJ 110A	Introduction to Creative Writing	4
ENJ 121	Digital Storytelling	4
Choose three Focus Writing courses:		12
ENJ 312AZ	Travel Writing	
ENJ 314A	Fiction Writing	
ENJ 315A	Poetry Writing	
ENJ 321GZ	Media and Communication in Developing Countries	
Choose one of the following:		3-4
ENJ 317	Publishing & Being Published	
ENJ 498	Internship in Writing	
Total Credits		23-24

Courses whose number is followed by a letter fulfill a General Education requirement.

Minor in English

Code	Title	Credits
Minor in English		
Choose two Foundations courses:		8
ENJ 100	How Stories Change the World: How to Read and Why	
ENJ 200L	Story in Modern America	
GES 149	Humanities III: Enlightenment to Modernity	
Choose 12 credits of additional ENJ courses:		12
Total Credits		20

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in English and a Minor in English.

Students may not declare a B.A. in Communication Arts & Literature 5-12 and a Minor in English.

Minor in Journalism

Code	Title	Credits
Minor in Journalism		
ENJ 120	Reporting	4
ENJ 121	Digital Storytelling	4
ENJ 220	Principles of Editing	4
Choose two Focus Journalism courses:		8
ENJ 311	Writing for Social Change	
ENJ 321GZ	Media and Communication in Developing Countries	
ENJ 323	Sports Reporting	

ENJ 324 Arts & Culture Reporting

Total Credits **20**

Courses whose number is followed by a letter fulfill a General Education requirement.
Students may not declare a B.A. in Journalism and a Minor in Journalism.

Minor in Photojournalism

Code	Title	Credits
Minor in Photojournalism		
ART 110	Foundations: The Elements and Principles of Art & Design	4
ART 250A	Photography	4
ART 336	Guided Practice: Photography	4
ENJ 120	Reporting	4
ENJ 121	Digital Storytelling	4
Total Credits		20

Courses whose number is followed by a letter fulfill a General Education requirement.

B.S. in Environmental Science

The mission of Environmental Science (<https://www.bethel.edu/undergrad/academics/biology/majors-minors/environmental-science-major/>) 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) as well as off-campus experiences. Environmental science combines classroom and laboratory instruction with a variety of field experiences. Students cap their education in environmental science by designing and conducting a specific research project under the direction of a faculty mentor or arranging an internship related to their specific area of interest. 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.

Major in Environmental Science

- Environmental Science (p. 194)

AUS 301 • Geographic Information Systems 4 Credits

Theory and application of GIS (map types and projections, symbology, classification, analysis, and web mapping applications) for applied social and ecological problem-solving. Provides students the skills and confidence to conduct their own field studies, do spatial analysis, and create their own maps and visualizations.

Offered: Summer.

AUS 302 • Field Botany 4 Credits

Field identification and ecology of vascular plants as components of natural communities, with emphasis on field examination of plants in regional communities and associated ecological features such as community stratification and plant zonation along ecological gradients.

Offered: Summer.

AUS 303 • Au Sable Field Course: Wetland Techniques 4 Credits

A comprehensive overview of wetland ecosystem processes, values, legislation and quantification. Students learn to evaluate soils, hydrology and vegetation of wetland systems and obtain certification as wetland delineators following USACoE standards.

Offered: Summer.

ENS 100 • Environmental Studies 3 Credits

Examination of how science, engineering, and economics work together to address and solve environmental problems. Exploration of the importance of the scientific method as it relates to the environment, conservation of resources, and energy. Evaluation of case studies will develop a deeper sense of stewardship to our planet.

Offered: Fall, Spring.

ENS 104 • Environment and Humanity 3 Credits

Interrelationships and interactions of humans with the natural environment in which they live. Causes of and potential solutions to environmental problems like 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.

Corequisites: Concurrent registration in ENS 104D is required. Offered: Fall, Spring.

ENS 104D • Environment and Humanity Lab 1 Credit

Laboratory experience accompanying ENS 104. Includes some outdoor and off-campus investigations.

Corequisites: Concurrent registration in ENS 104 or completion of ENS 100. Offered: Fall, Spring.

ENS 205L • Sustainable Living 4 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.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Spring.

ENS 316 • Wildlife Ecology and Management 3 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.

Prerequisites: BIO 218 (may be taken concurrently) and junior or senior standing. Corequisites: Concurrent registration in ENS 317 is required. Offered: Spring, even # years. Special Notes: This course carries cross-credit in biology.

ENS 317 • Wildlife Ecology and Management Lab 1 Credit

Laboratory experience accompanying ENS 316. Includes some outdoor and off-campus investigations.

Corequisites: Concurrent registration in ENS 316 is required. Offered: Spring, even # years. Special Notes: This course carries cross-credit in biology.

ENS 318KZ • Ecology in the Tropics: Natural History and Future Prospects 4 Credits

Travel in Ecuador or Kenya surveying the land, climate, plants, animals, homes, transportation, and industries, noting especially the impact of human presence. Kenya includes Nairobi, African savanna, the Rift valley, and Masai Mara. Ecuador includes the Amazon rainforest, Andean cloud forests, volcanic mountains, highlands, towns, cities, and the Galapagos Islands.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: January. Special Notes: This course carries cross-credit in biology and general studies.

ENS 330 • Ecology 3 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.

Prerequisites: BIO 218 (may be taken concurrently). Corequisites: Concurrent registration in ENS 331 is required. Offered: Fall, odd # years. Special Notes: This is a designated research course. This course carries cross credit in biology.

ENS 331 • Ecology Lab 1 Credit

Laboratory experience accompanying BIO 330.

Corequisites: Concurrent registration in ENS 330. Offered: Fall, odd # years. Special Notes: This course carries cross credit in biology.

ENS 335K • Environmental Ethics 4 Credits

Examines the intersection of science, society, and technology as it pertains to issues in environmental ethics. Moves from theory 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 and Mathematics (M) course. Offered: Fall, January. Special Notes: This course carries cross-credit in philosophy.

ENS 399 • Introduction to Research 2 Credits

An introduction to research methodology in the environmental sciences, with experience in the use of environmental 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: BIO 218 and Major in one of the following: biology or biochemistry/molecular biology or environmental studies; junior standing. Offered: Fall, Spring. Special Notes: This course carries cross-credit in biology.

ENS 481 • Internship in Environmental Science 3-4 Credits

Off-campus field experience working with an environmental organization, business, or governmental agency.

Prerequisites: Major in environmental science. Offered: Fall, Spring, Summer.

ENS 496 • Research in Environmental Science 1 Credit

An opportunity to become involved in an independent research project of the student's choosing in some area of environmental studies. Experience in the collection, manipulation, analysis, and portrayal of information and development of skills needed to be effective in environmental research.

Prerequisites: ENS 399; *Completion or co-completion of a tagged research course; Consent of instructor. Offered:* Fall, Spring, Summer. *Special Notes:* This course carries cross credit in biology.

ENS 497 • Advanced Research in Environmental Science 1 Credit

Working under the supervision of a faculty mentor, students analyze the results of their original research completed in ENS 496 and write up their findings in a formal scientific paper. Results are presented in class and sometimes outside venues.

Prerequisites: ENS 496 and *Consent of instructor. Offered:* Fall, Spring, Summer.

ENS 499 • Symposium 0 Credit

The presentation of scientific research or internship experience. Culminates in a departmental symposium in which students present their original research or internship experience.

Prerequisites: ENS 497 or ENS 481. *Offered:* Fall, Spring. *Special Notes:* This course carries cross credit in biology.

Au Sable Institute of Environmental Studies

Several courses in the environmental area are available during the summer term through the Au Sable Institute of Environmental Studies (<http://www.ausable.org/>). Many Au Sable courses may be used to fulfill the environmental requirement in the biology major or environmental area electives in the environmental science major. See the Au Sable advisor in the Department of Biological Sciences (<https://www.bethel.edu/undergrad/academics/biology/>) for additional course offerings and further details.

B.S. in Environmental Science

Code	Title	Credits
Major in Environmental Science (B.S.)		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
BIO 218	Biology in a Changing World	3
BIO 495	Biology Seminar	2
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 312 & CHE 313	Quantitative Analysis and Quantitative Analysis Lab	4
ENS 104 & ENS 104D	Environment and Humanity and Environment and Humanity Lab	4
ENS 330 & ENS 331	Ecology and Ecology Lab	4
ENS 399	Introduction to Research	2
ENS 499	Symposium	0
Choose one of the following:		2-4
ENS 481	Internship in Environmental Science	
or		
ENS 496	Research in Environmental Science	

ENS/BIO 497 Advanced Research in Environmental Science

Choose one course from the following: **4**

ENS 318KZ Ecology in the Tropics: Natural History and Future Prospects

ENS 335K Environmental Ethics

GEO/HIS 320K History and the Human Environment

GES 326K Economic Botany

Choose one of the following Environmental Area Courses: **4**

BIO 328
& BIO 329 Invertebrate Biology
and Invertebrate Biology Lab

BIO 342
& BIO 343 Aquatic Biology
and Aquatic Biology Lab

BIO 346
& BIO 347 Animal Behavior
and Animal Behavior Lab

BIO 372
& BIO 373 Plant Taxonomy and Ecology
and Plant Taxonomy and Ecology Lab

BIO 380
& BIO 383 Environmental Plant Biology
and Environmental Plant Biology Lab

ENS 316
& ENS 317 Wildlife Ecology and Management
and Wildlife Ecology and Management Lab

ENS 318KZ Ecology in the Tropics: Natural History and Future Prospects
1

Choose one of the following: **3-4**

BIO 234
& BIO 235 Microbiology
and Microbiology Lab

BIO 326
& BIO 327 Vertebrate Histology
and Vertebrate Histology Lab

BIO 332
& BIO 333 Genetics
and Genetics Lab

BIO 338
& BIO 339 Endocrinology
and Endocrinology Lab

BIO 354
& BIO 355 Cell Biology
and Cell Biology Lab ³

BIO 358
& BIO 359 Neurobiology
and Neurobiology Lab

BIO 368
& BIO 369 Structure and Development of Vertebrates
and Structure and Development of Vertebrates Lab

BIO 376
& BIO 377 Animal Physiology
and Animal Physiology Lab

CHE 304
& CHE 397 Essentials of Biochemistry
and Biochemistry II Lab ⁴

CHE 320 Instrumental Analysis

CHE 388
& CHE 389 Biochemistry I
and Biochemistry I Lab ²

Au Sable Institute Courses **12**

BIOL/GEOL/GEOG 301 Land Resources

BIOL/ENVST/GEOG 330 Geographic Information Systems

Au Sable Elective

Additional Biology Electives from Environmental Area (or may be taken through Au Sable)

8

Code	Title	Credits
Major		68-71
General Education *		40-48
Electives		6-11
Total Credits		122

¹ Recommended option to complete the major in 3.5 years.

² CHE 226/CHE 227 is a prerequisite for this course.

³ CHE 224/CHE 225 is a prerequisite for this course.

⁴ Students requiring CHE 397 for their degree will require an override to take this course concurrently with CHE 304.

* Courses whose number is followed by a letter fulfill a General Education requirement. With permission of the Department Chair, appropriate courses taken in other off-campus programs may substitute for those listed above.

Students are strongly urged to meet the "M" tag (Mathematics) General Education requirement by taking an introductory statistics course such as PSY 230M or MAT 207M.

Gender Studies

The Gender Studies minor (<https://www.bethel.edu/undergrad/academics/philosophy/majors-minors/gender-studies-minor/>) provides students with an opportunity to develop a reflective and interdisciplinary understanding of how our notions of gender, gender roles, and gender identities have been, and continue to be, shaped by the intellectual, historical, and sociocultural contexts in which they emerge.

Minor in Gender Studies

Code	Title	Credits
Minor in Gender Studies		
HIS 302	History of Sexuality in the United States	4
PHI 223L	Introduction to Gender Studies	4
Choose 8 credits from the following courses:		8
COM 314G	Communication of Gender and Sexuality	
GES 407P	Women's Lives, Women's Choices	
GES 413P	Women's Spiritual Experience	
GES 451P	Spirituality, Sexuality, and the Family	
GES 455P	Covenant Relationships: Marriage, Friendship, and Beyond	
GES 463P	Masculinity Past and Present	
HIS 328G	Muslim Women in History	
PHI 220L	Philosophies of Race and Gender in America	
PHI 228L	Philosophies of Love and Sex	
Gender-tagged course ¹		2-4
Total Credits		18-20

¹ Students choose to do a significant research or service-learning project related to the topic of gender studies in a 200-level course or above in the student's major field of study. Students apply to complete the project at the beginning of the semester, subject to approval by the Gender Studies program co-coordinators. Students may not tag a course listed in the minor's elective categories. Courses whose number is followed by a letter fulfill a General Education requirement.

General Studies

General Education (<https://www.bethel.edu/undergrad/academics/general-education/>) at Bethel University requires students to 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 (p. 20) and General Education Requirements (p. 22) in the *General Information* section of this catalog for a further description of the purpose and requirements of the General Education program at Bethel University.

First Year General Education Options

First year students at Bethel choose between two options for some of their General Education requirements: Modular or the Humanities Program. Both options provide students with a liberal arts foundation to prepare them to succeed in college and throughout their lives.

Modular

The Modular track contains three courses, each covering a different area of study:

- Creative Arts (ICA)
- Christianity and Western Culture (CWC)
- Inquiry Writing Seminar (IQ)

Each course is focused on a single area of study, whether that means exploring Christianity's role in Western Civilization in CWC, learning to write academic papers in Inquiry Writing Seminar, or studying the Creative Arts.

The Humanities Program

The Humanities Program is a three-course sequence consisting of GES 145, GES 147, and GES 149. It emphasizes in-depth reading, discussion, and analysis of texts and works of art. Students experience literature, theology, philosophy, music, theatre, and art in historical context. They learn the foundations of theology and see how Christians have shaped and responded to Western culture. The three-course sequence must be taken in order and replaces the three courses in the General Education Modular

option GES 125, GES 130, and GES 160. To derive full benefit from the Humanities Program, students should complete the entire, three-course program. See the General Education section (p. 20) of this catalog and/or the Humanities Program website (<https://www.bethel.edu/undergrad/academics/general-education/first-year-options/humanities/>) for further information.

GES 101 • Pre-Intercultural Engagement Preparation 0.5 Credits

Prepares students to participate in a non-credit cross-cultural experience to fulfill the General Education Z-tag requirement. Includes introducing a method for reflecting on and analyzing an intercultural experience, assistance in creating a proposal for the Z-tag experience and an opportunity to develop mid-experience exercises and activities for GES 102Z.

Offered: Fall, Spring, Occasionally summer. Special Notes: Completion of GES 101 does not complete the Z-tag requirement, but is a prerequisite for GES 102Z. GES 101 must be taken before participating in the cross-cultural experience. This course is graded on an S/U basis.

GES 102Z • Post-Intercultural Engagement Processing 0.5 Credits

Guided post-processing experience necessary for students to benefit fully from an independent cross-cultural experience to complete the General Education Z-tag requirement. Evaluates the method of reflection and analysis used during the intercultural experience, the implementation of the non-credit proposal approved in GES 101, and the mid-experience exercises and activities.

Prerequisites: GES 101; Must be taken the semester following the completion of the independent cross-cultural experience. Offered: Fall, Spring, Occasionally summer. Special Notes: This course is graded on an S/U basis.

GES 103 • Writing Studio for Multilingual Students 1 Credit

Focuses on knowledge and skills necessary for successful college-level academic research and writing in the U.S. Students apply reading and writing strategies to other course writing assignments. Instruction tailored to provide linguistic support for students who speak more than one language.

Offered: Fall. Special Notes: This course is graded on an S/U basis.

GES 109 • Orientation to College Studies 4 Credits

Students understand and improve their approach to learning to enhance success in college. Strategies developed are directly applied to learning in the Christianity and Western Culture course as well as other courses taken during Fall term.

Prerequisites: Consent of instructor. Corequisites: Concurrent registration in GES 130 is required. Offered: Fall. Special Notes: This course is required for provisionally admitted students.

GES 112 • College Composition 4 Credits

Development of skills necessary for expressing oneself competently through writing. Emphasizes the writing process, critical thinking, sensitivity to audience, core documentation skills and responsibilities, and revision (with peer and instructor feedback).

Offered: Fall, Spring.

GES 119 • Introduction to Bethel 4 Credits

Introduces transfer students to resources to support and enhance their success at Bethel. Develops strategies to apply to learning in the Christianity and Western culture course as well as other courses taken during Fall term.

Prerequisites: Consent of instructor. Corequisites: Concurrent registration in GES 130 is required. Offered: Fall. Special Notes: This course is required for provisionally admitted students.

GES 125 • Introduction to the Creative Arts 4 Credits

Highlights the crucial experience of the creative arts; develops literacy in artistic language. Art forms may include dance, film, literature, music, theater, and visual arts. Stylistic, social, and historical contexts examined in light of various themes: death/despair, humor, relationships, and religion. Critical interaction and reflection from a variety of perspectives.

Offered: Fall, January, Spring.

GES 130 • Christianity & Western Culture 4 Credits

Movements that influenced Europe and North America up through the Enlightenment. Explores with insight and empathy the writings and lives that influenced the course of world societies. Evaluates the diverse ways in which Christians have interacted with Western culture by shaping, absorbing, and criticizing the culture of the West.

Offered: Fall, January, Spring.

GES 140 • Introduction to Wellbeing 2 Credits

Explores many of the dimensions that influence wellbeing, including Spiritual, Cognitive, Emotional, Physical, Relational, and Meaning. Examines the dynamic interconnection between the dimensions. Students integrate foundational knowledge, experiences, and strategies to become successful whole and holy individuals not only in college but also throughout adult life.

Offered: Fall, Spring.

GES 141 • Physiology of Wellness 4 Credits

Synthesizes current evidence-based knowledge empowering healthy decisions around nutrition, fitness, emotional, and spiritual well-being. Identification of patterns of stress reduction through spiritual and physical health. Explanation of biological processes in the body. Analyzes the influence of culture, media, technology, and other factors on health.

Offered: Fall, Spring.

GES 144 • Beginning Tennis 1 Credit

Basic tennis strokes. Includes instruction, drills, practice, and playing time. Covers rules, simple strategy, player position, etiquette, and guidelines for equipment selection.

Offered: Fall, Spring.

GES 145 • Humanities I: Greco-Roman through Middle Ages 4 Credits

The first course in the Humanities Program focuses on great writings and works of art, music, and theatre from the Greeks through the Middle Ages. Likely figures for study include Homer, Thucydides, Plato, Virgil, Augustine, Anselm, and Dante.

Offered: Fall. Special Notes: Completing GES 145 and GES 147 replaces GES 125.

GES 147 • Humanities II: Renaissance and Reformation 4 Credits

The second course in the Humanities Program considers significant figures, movements, and texts in the Renaissance and the Reformation era. Likely figures for study include Luther, Calvin, Erasmus, Renaissance and Baroque artists, Machiavelli, Petrarch, and Shakespeare.

Prerequisites: GES 145. Offered: January. Special Notes: Completing GES 145 and GES 147 replaces GES 125.

GES 149 • Humanities III: Enlightenment to Modernity 4 Credits

The final course in the Humanities Program begins with great texts of the European Enlightenment and goes into modernity in the post World War II era. Likely figures and themes for study include Voltaire, Rousseau, Burke, Paine, Mary Shelley, Frederick Douglass, Marx, Nietzsche, Freud, jazz, modern art, Nella Larsen, and Martin Luther King Jr.

Prerequisites: GES 147. Offered: Spring. Special Notes: Completing GES 149 replaces GES 130 and GES 160.

GES 150 • Responding to the Arts 4 Credits

Cultivation of critical reading and writing skills through examination of artistic “texts” from a variety of genres: literature, drama, cinema, music, or the visual arts. Discernment of rich dimensions of the texts—technique, genre, social-historical context—and reflect on their spiritual significance.

Offered: Occasionally.

GES 152 • Yoga 1 Credit

Development of physical fitness and self-awareness through core stabilizing and strengthening exercises as an integral part of health and wellness. Emphasis on the integration of Christian faith and exercise while learning correct postures, alignments, and focus.

Offered: January. Special Notes: Students must provide their own exercise/yoga mat.

GES 160 • Inquiry Writing Seminar 4 Credits

While exploring a topic of interest, students learn college-level skills in research, writing, and presentation. Collect, summarize, and evaluate sources. Formulate, develop, and support a thesis; document; plan, draft, edit. Consideration of rhetorical situation (purpose, audience, message). Develop, organize, and deliver oral presentations. Formative feedback from peers and instructor.

Offered: Fall, Spring.

GES 163 • Academic Research and Writing 4 Credits

Development of core academic skills in research and writing. Critical evaluation of rhetorical persuasion, forming and answering research questions, testing theses through consultation of scholarly sources, and formal documentation of research sources.

Offered: Occasionally.

GES 181 • Disc Golf 1 Credit

An introduction to the game of disc golf. Includes history, equipment, etiquette, rules, technique, scoring, and playing of the sport.

Offered: Fall.

GES 182 • Slow Pitch Softball 1 Credit

Fundamental skills of slow-pitch softball for the recreational player.

Offered: Spring.

GES 183 • Walk, Jog, Run 1 Credit

Basic introduction to running for health. Students learn to monitor heart rates as they process 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.

Offered: Fall, Spring.

GES 184 • Pickleball 1 Credit

Fast paced net game with similarities to tennis, badminton, table tennis, and racquetball; content includes rules, strategies, techniques, and court positioning for singles and doubles, and extensive active practice and play.

Offered: Spring.

GES 203 • Writing Studio for Multilingual Students 1 Credit

Focus on knowledge and skills necessary for successful college-level academic research and writing in the U.S. Students apply reading and writing strategies to other course writing assignments. Instruction tailored to provide linguistic support for students who speak more than one language.

Offered: Spring. Special Notes: This course is graded on an S/U basis.

GES 302K • Lethal Microbes 4 Credits

Despite amazing scientific and technical successes in medicine in the last century, diseases like AIDS, tuberculosis, and malaria confront us today with both national and global healthcare crises. Living with the lethal microbes responsible for these diseases requires careful inquiry about these organisms and their wide impact on human society.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally.

GES 303K • Genetics, Ethics and the Law 4

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 patent, family, and criminal law. Explores the struggle between the Christian worldview, rapid changes in science, and society's resolution of the questions these changes produce.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally.

GES 305K • Anatomy of a Pandemic 4 Credits

Explores the history, biology, and social and global impact of infectious diseases such as the bubonic plague, influenza, HIV/AIDS, and emerging pathogens. Evaluates technological advances that contribute to the treatment of infectious diseases, vaccine development, and modern epidemiology. Considers social factors related to disease ecology and the availability of medical treatment.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally January.

GES 307K • Natural Resources: Use Them but Don't Lose Them 4 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. Global Positioning System (GPS) and Geographic Information System (GIS) technologies are spotlighted as key management tools.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Spring.

GES 309K • Biology of the Mind 4 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 and Mathematics (M) course. Offered: Occasionally January.

GES 311K • Forensics: The Science of Crime 4

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 and Mathematics (M) course. Offered: Occasionally fall, January, Spring.

GES 312G • Disability and Society 4 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: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Occasionally January.

GES 314K • Stem Cells, Cloning, and Reproductive Technologies 4 Credits

Stem cells, cloning, reproductive technologies, gene therapy, and drug production are all applications of biotechnology. Examines these applications along with their influence and impact on society.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally.

GES 317KZ • Science and Technology in New Zealand 4 Credits

Exploration of historical development of science and technology in New Zealand, including current challenges. Topics include: inventions and inventors, health care, unique technologies, native and invasive species, sea life, earthquakes, hot springs, and volcanic activity in the context of historical Maori and British colonial cultures leading to the present day.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: January.

GES 318KZ • Ecology in the Tropics: Natural History and Future Prospects 4 Credits

Travel in Ecuador or Kenya surveying the land, climate, plants, animals, homes, transportation, and industries, noting especially the impact of human presence. Ecuador includes the Amazon rainforest, Andean cloud forests, volcanic mountains, highlands, towns, cities, and the Galapagos Islands. Kenya includes Nairobi, African savanna, the Rift valley, and Masai Mara.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: January. Special Notes: This course carries cross-credit in biology and environmental studies.

GES 322K • Cancer: Science and Society 4 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 and Mathematics (M) course. Offered: Occasionally.

GES 326K • Economic Botany 4 Credits

The history, principles, and technology used to domesticate and improve food and beverage crops, lumber, cloth and rope fiber, medicinal, and herbal plants for human use. Emphasizes modern technologies to increase quality, shelf life, transportability, yield, pest resistance, growing season, and soil type tolerances. Includes technologies that raise ethical issues.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally.

GES 328K • Nutrition: The Total Diet 4 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 and Mathematics (M) course. Offered: Occasionally.

GES 330KZ • History of Science in Europe 4 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 included.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally January.

GES 338K • Great Controversies in Science and Technology 4 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 among scientific results, popular consensus, and societal pressures.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally January.

GES 339K • Nano: Small Science, Big Ideas 4 Credits

Investigation of nanotechnology: the science of very small things and their strange, unexpected behavior. Why and how nanotechnology is being applied to solve some of our greatest challenges in energy, medicine, and healthcare. Societal and environmental impacts and ethical concerns from a Christian perspective are explored.

Prerequisites: Laboratory Science (D) course and Mathematics (M) course. Offered: Occasionally.

GES 355 • Advanced Writing Studio for Multilingual Students 1 Credit

Students apply reading and writing strategies to writing lengthy assignments in advanced courses. Students are expected to take the studio in conjunction with a class that requires substantial writing and research. Instruction tailored to provide linguistic support for students who speak more than one language.

Offered: Fall. Special Notes: This course is graded on an S/U basis.

GES 390K • Decision-Making and Medical Technology 4 Credits

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 and Mathematics (M) course. Offered: Occasionally.

GES 407P • Women's Lives, Women's Choices 2 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; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 409P • Christian Leadership in a Secular World 2 Credits

Current issues facing Christian leaders today. The formulation of a personal biblical approach to leadership to enable one to impact society. A variety of personal decisions that are designed to facilitate knowing oneself and understanding one's own responses in various situations.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 412P • The Plot Thickens: Character Growth in Literature and Life 2 Credits

Discussion of novels and short stories, examining characters and their values, and responses in the face of complex life situations. Insights of narrative theologians used to think about building character as individuals and the role of the community in this process.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 413P • Women's Spiritual Experience 2 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 spiritual autobiography.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 420P • Bioethics 2 Credits

How technological advances have increased our abilities to conceive, sustain, and alter human lives. How to make morally responsible decisions that shape a just society. Moral issues such as healthcare practices, reproductive methods, allocation of healthcare resources, and biomedical research.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Fall, Occasionally January, Spring.

GES 425P • Censorship and Freedom of Expression 2 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; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 426P • Family Interaction 2 Credits

An integration of a Christian worldview related to the contemporary family unit; styles of parenting, issues of grief, 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; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Fall, Spring.

GES 433P • Biblical Spirituality: Experiencing God 2 Credits

A study of spirituality in a variety of biblical texts, both Old and New Testament. Essential issues related to spirituality, including: What is spirituality? What are biblical teachings regarding prayer, worship, and spiritual disciplines? How do we interpret biblical texts as paradigms for the contemporary practice of spirituality? .

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 444P • Christians and Conflict 2 Credits

Examines how we are called as Christians to respond to interpersonal conflicts that continually exist in our lives. Emphasizes many different types of interpersonal conflicts, including conflicts in friendships, marriages, parent/child relationships, workplaces, and churches. Analyzes conflict as it is currently portrayed in the media.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 448P • Abusive Relationships and Christian Responsibility 2 Credits

Explores different types of intimate violence using research from communication, psychology, and sociology. Examines the history of domestic violence, the prevalence of intimate violence, cycles of violence, and secular and Christian responses. Evaluates choices informed by Christian values, education, and personal experience. Develops personal strategies for responding to intimate violence.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally Fall, January, Spring.

GES 449P • Chance or Design: Our Place in the Cosmos 2 Credits

Exploration of recent advances in Big Bang cosmology and planetary science with an emphasis on apparent fine-tuning to conditions suitable for human life. Discussion of the possibility of extraterrestrial life. Analysis of design arguments, with the goal of developing a biblically sound view of our relationship to nature and God.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 451P • Spirituality, Sexuality, and the Family 2 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; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 452P • Sports in Society 2 Credits

Study of sports as a social phenomenon. Presentation of some of the basic elements involved in the interaction of the active human being. Includes sports and culture, sports in education, social stratification, race, and group dynamics.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally.

GES 453P • Ethics and Faith in the Workplace 2 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; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Occasionally January.

GES 455P • Covenant Relationships: Marriage, Friendship, and Beyond 2 Credits

An exploration of the relational dynamics of marriage, friendship, and Christian community within the context of the biblical concept of covenant relationship. Competing values within contemporary Western culture (e.g., individualism, hedonism) are explored and critiqued in light of the values associated with covenant community.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Fall, Spring.

GES 457 • Advanced Writing Studio for Multilingual Learners 1 Credit

Students apply reading and writing strategies to writing lengthy assignments in advanced courses. Students are expected to take the studio in conjunction with a class that requires substantial writing and research. Instruction tailored to English Language Learners (international or immigrant students from non-English speaking backgrounds).

Offered: Fall, Spring. Special Notes: This course is graded on an S/U basis.

GES 463P • Masculinity Past and Present 2 Credits

Study of how men have understood their identities as men in different historical contexts, including the present. While strength, individuality, and aggression may seem paramount, many societies have emphasized moral ideas like piety, cooperation, and self-control. Encourages critical evaluation of how gender helps construct personal identity.

Prerequisites: Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: January.

GES 477 • Summer Internship Completion 0 Credit

A learning/practicing experience to apply understanding and skills in an off-campus professional setting. Includes participation in an online course with weekly assignments.

Prerequisites: Consent of instructor. Offered: Summer. Special Notes: This course is graded on an S/U basis.

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 coursework provides deeper understandings of interrelationships in a spatial framework.

GEO 120 • Introduction to Geography 4 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.

Offered: Fall.

GEO 320K • History and the Human Environment

4 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 and Mathematics (M) course. Offered: Spring. Special Notes: This course carries cross-credit in history.

Healthcare

Bethel University (<https://www.bethel.edu/>) excels in preparing students to work in healthcare. In addition to majors and minors in healthcare fields, we offer endorsements and, through our cross enrollment program with the College of Adult & Professional Studies, we offer healthcare-related certificates. The University has an excellent reputation for preparing students for graduate schools to pursue careers as physicians, physician assistants, optometrists, osteopaths, podiatrists, dentists, physical therapists, pharmacists, occupational therapists, chiropractors, veterinarians, and other types of healthcare professionals.

As a result of these programs, Bethel graduates are sought by healthcare employers for their understanding of healthcare, the skills required to work in this high-demand field, and for the critical thinking and communication skills they acquire through their liberal arts education.

Endorsements in Healthcare

- Healthcare Pathways Endorsement (p. 167)
- Healthcare Professional Preparation Endorsement (p. 168)

Pre-Medical and Preparation for Other Graduate Health Programs

As a result of the university's excellent reputation with many professional schools, a significant number of Bethel graduates are accepted into healthcare programs each year. Professional schools seek well-rounded graduates with a genuine interest in helping people. Students are encouraged to complete a major that best fits their interests, while allowing them to take courses required for the graduate program they desire. While these students are not limited to a specific undergraduate major, they should realize that each professional program expects certain courses to be completed before admission. Students interested in a graduate program in healthcare should meet with one of Bethel's healthcare professional advisors as early as

possible for advice on selecting a major and to plan the best way to complete prerequisite requirements before graduation.

- Recommended Pre-Medical Track (p. 208)
- Doctor of Physical Therapy Program at Southwest Baptist University (p. 210)

Graduate Programs in Healthcare

- M.B.A. with a Healthcare Administration Concentration (<https://catalog.bethel.edu/graduate/academic-programs-disciplines/business/business-administration-mba/#concentrationstext>)
- M.S. in Medical Science (<http://catalog.bethel.edu/graduate/academic-programs-disciplines/medical-sciences/ms/>)
- M.S. in Nurse-Midwifery (<http://catalog.bethel.edu/graduate/academic-programs-disciplines/nursing/nurse-midwifery-ms-midw/>)
- M.S. in Physician Assistant at Bethel University (p. 209)

HCE 481 • Healthcare Related Internship 0 Credit
A learning internship experience of 135 hours. Apply understanding and skills in an off-campus, professional healthcare setting. Internship can be included in a student's major (students register for both the departmental and the healthcare endorsement internship) or students can choose to enroll only in the healthcare endorsement internship.

Prerequisites: Enrollment in a healthcare endorsement. Offered: Fall, Spring, Summer.

HCE 491 • Culminating Project 0 Credit
A culminating project that demonstrates both knowledge developed through completing a major and experience gained through the healthcare endorsement. The culminating project may incorporate elements of the endorsement in a project for the major or it may be a separate project created exclusively for the endorsement.
Prerequisites: Enrollment in a healthcare endorsement. Offered: Fall, Spring, Summer.

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 assistant.)

Code	Title	Credits
BIO 120 & BIO 120D	Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4
OR		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	
BIO 122 & BIO 122D	Introduction to Organismic Biology and Introduction to Organismic Biology Lab ¹	4
OR		
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	
CHE 113 & CHE 113D & CHE 214 & CHE 215	General Chemistry I and General Chemistry I Lab and General Chemistry II and General Chemistry II Lab	8
CHE 224 & CHE 225 & CHE 226 & CHE 227	Organic Chemistry I and Organic Chemistry I Lab and Organic Chemistry II and Organic Chemistry II Lab	8
Choose one of the following sequences:		4-8
CHE 304 & CHE 397	Essentials of Biochemistry and Biochemistry II Lab ⁴	
CHE 388 & CHE 389 & CHE 396 & CHE 397	Biochemistry I and Biochemistry I Lab and Biochemistry II and Biochemistry II Lab	
Choose one of the following sequences:		8
PHY 202 & PHY 202D & PHY 206 & PHY 207	Introductory Physics I and Introductory Physics I Lab and Introductory Physics II and Introductory Physics II Lab ¹	
PHY 292 & PHY 292D & PHY 296 & PHY 297	General Physics I and General Physics I Lab and General Physics II and General Physics II Lab ^{2,3}	
Total Credits		36-40

¹ MAT 121M, MAT 124M, or solid understanding and competency in high school mathematics as demonstrated by at least one of the following: a Math ACT score of at least 23, 519 on the Math portion of the SAT, a Math Placement Test score of at least 2 are prerequisites for PHY 202/PHY 202D.

² MAT 124M is a prerequisite for PHY 292/PHY 292D.

³ MAT 125 is a prerequisite for PHY 296/PHY 297.

⁴ Students requiring CHE 397 for their degree will require an override to take this course concurrently with CHE 304.

Additional courses in biological sciences, composition, literature, mathematics, and social and behavioral sciences may be required by specific professional schools.

Courses whose number is followed by a letter fulfill a General Education requirement.

M.S. in Physician Assistant at Bethel University

An M.S. in Physician Assistant is offered through the Bethel University Graduate School. The College of Arts and Sciences offers all prerequisites as well as recommended courses for this program. Students must earn a grade of *B-* or higher in all prerequisites. Completion of these prerequisites and recommended courses does not guarantee admission to Bethel's Physician Assistant program. Consult the Graduate School catalog for further information.

Code	Title	Credits
Required Prerequisites Offered in the College of Arts and Sciences		
Choose one of the following Anatomy lecture and lab choices:		3-4
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab ¹	
BIO 409	Advanced Human Gross Anatomy ⁷	
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab ²	4
Choose one of the following Organic Chemistry lecture and lab choices:		4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab ³	
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab ⁸	
Choose one of the following Biochemistry lecture and lab choices:		3-4
CHE 304	Essentials of Biochemistry ⁴	
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab ⁵	
CHE 396 & CHE 397	Biochemistry II and Biochemistry II Lab ¹⁰	
BIO 234 & BIO 235	Microbiology and Microbiology Lab ⁶	4
BIO 332 & BIO 333	Genetics and Genetics Lab ⁶	4
Choose one of the following Psychology courses:		2-4
PSY 101	Introduction to Psychology I	
PSY 203	Lifespan Development ⁹	
PSY 300	Psychopathology ⁹	
Choose one of the following Statistics courses:		4
AHS 250M	Statistics and Research Methods in Applied Health Sciences	
MAT 207M	Statistical Analysis	
PSY 230M	Introduction to Statistical Methods and Experimental Design	
Total Credits		28-32

¹ BIO 104/BIO 104D, BIO 120/BIO 120D, BIO 122/BIO 122D, BIO 124/BIO 124D, or BIO 128/BIO 128D is a prerequisite for this course.

² BIO 214/BIO 215 and one of the following: BIO 104/BIO 104D, BIO 120/BIO 120D, or BIO 218 are prerequisites for this course.

- ³ CHE 214/CHE 215 is a prerequisite for this course.
 - ⁴ BIO 120/BIO 120D or BIO 124/BIO 124D and CHE 224/CHE 225 are prerequisites for this course.
 - ⁵ BIO 120/BIO 120D or BIO 124/BIO 124D and CHE 226/CHE 227 are prerequisites for this course.
 - ⁶ BIO 120/BIO 120D or BIO 218 is a prerequisite for this course.
 - ⁷ BIO 214/BIO 215 or Consent of Instructor is a prerequisite for this course.
 - ⁸ CHE 224/CHE 225 is a prerequisite for this course.
 - ⁹ PSY 101 is a prerequisite for this course.
 - ¹⁰ CHE 388/CHE 389 is a prerequisite for this course.
- Courses whose number is followed by a letter fulfill a General Education requirement.

Doctor of Physical Therapy Program at Southwest Baptist University

Bethel University has an agreement with Southwest Baptist University (SBU) by which students meeting the requirements listed below will automatically receive preference points and be eligible for the admission process.

1. Students must have a minimum 3.0 overall grade point average.
2. Students must complete the graduate record exam (GRE).
3. Students must complete the PT application through PTCAS by the deadline of the intended enrollment date.
4. Students must document up to 40 hours experience/observation in physical therapy.
5. International students must meet eligibility requirements as outlined in the section on Admission to the University in the Southwest Baptist University catalog.
6. Students must complete all of the following prerequisite courses with a minimum grade of C and a 3.25 prerequisite GPA. Prerequisites should not be taken pass/fail.
 - a. General Chemistry: two semesters in sequence with labs
 - b. General Physics: two semesters in sequence with labs
 - c. General Biology: one semester with lab
 - d. Anatomy/Physiology: one semester each or full year combined sequence with labs from a sciencebased department
 - e. Statistics: one course
 - f. Psychology
7. Completion of the following support courses (not calculated into prerequisite GPA)
 - a. Medical Terminology: one semester is required at a "B" grade or higher
 - b. Exercise Physiology: not required, by highly recommended; students demonstrating successful completion of an exercise physiology course with a "B" grade or higher will be exempt from completing the exercise physiology component of the DPT program
 - c. Pathophysiology: not required, but highly recommended

Pre-requisite Equivalency for SBU/DPT program

Code	Title	Credits
Choose one of the following sequences:		4
BIO 104 & BIO 104D	Human Biology and Human Biology Lab	
BIO 120 & BIO 120D	Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	
With approval, any upper level human or animal-based Biology course with a Lab		
BIO 105	Medical Terminology ⁵	2

BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	4
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab	4
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
Choose one of the following sequences:		8
PHY 202 & PHY 202D & PHY 206 & PHY 207	Introductory Physics I and Introductory Physics I Lab and Introductory Physics II and Introductory Physics II Lab ¹	
PHY 292 & PHY 292D & PHY 296 & PHY 297	General Physics I and General Physics I Lab and General Physics II and General Physics II Lab ^{2,3}	
MAT 207M	Statistical Analysis ³	3-4
or AHS 250M	Statistics and Research Methods in Applied Health Sciences	
or PSY 230M	Introduction to Statistical Methods and Experimental Design	
or MAT 330	Probability and Statistics	
PSY 101	Introduction to Psychology I	2
PSY 203	Lifespan Development	4
PSY 300	Psychopathology	4
Recommendations		
BIO 350	Clinical Pathophysiology ⁴	4
BIO 409	Advanced Human Gross Anatomy	3

Code	Title	Credits
Total Credits		50-51

¹ MAT 121M, MAT 124M, or solid understanding and competency in high school mathematics as demonstrated by at least one of the following: a Math ACT score of at least 23, 519 on the Math portion of the SAT, a Math Placement Test score of at least 2 are prerequisites for this course.

² MAT 124M is a prerequisite for PHY 292/PHY 292D.

³ MAT 125 is a prerequisite for PHY 296/PHY 297 and MAT 330.

⁴ Acceptance into the nursing program or Consent of instructor is a prerequisite for this course.

⁵ Consent of instructor is a prerequisite for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

History

The History programs (<https://www.bethel.edu/undergrad/academics/history/>) prepare students who are imaginatively comfortable in a historic past and actively engaged with the present. Based on the conviction that all of God's creation – including all human beings, who bear the image of God—is worthy of study, curriculum is constructed broadly; students encounter the histories of peoples from the Americas, Europe, the Middle East, and other regions. The resulting broad knowledge of human history is deepened by the integration of Christian faith and learning, the recurrence of marginalization, empathy, and interconnectedness as historical themes, and the development of passionate curiosity about the past.

In addition to historical knowledge, students will cultivate wisdom, learning to live skillfully in the present day, so that they can serve others and glorify God wherever they are called. In particular, history coursework develops skills essential to lifelong learning (research, reading, critical thinking, analysis, synthesis) and communication (listening, writing, speaking, use of multiple media) that prepare graduates for continuing study, good citizenship, service to church and community, and employment in a wide variety of fields—including business, education, law, government, pastoral ministry, journalism, and libraries and museums.

Majors in History

- B.A. in History (p. 215)
- B.A. in Social Studies Education 5-12 (p. 216)

Minors in History

- Digital Humanities (p. 148)
- Gender Studies (p. 197)
- History (p. 217)

Endorsements in History

- Classics (p. 167)
- Military and Diplomatic Studies (p. 169)

HIS 200L • History of the United States 4 Credits

Exploration of United States history from early Native American communities to the present. Particular attention paid to primary sources that allow for an examination of the interaction of social, cultural, economic, political, and religious movements.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Fall.

HIS 205U • History of China, Japan, and Korea 4 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.

Prerequisites: GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Fall, Spring.

HIS 212U • History of Islam 4 Credits

Islam from its inception and development to Islam as it is practiced 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.

Prerequisites: GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Spring. Special Notes: This course carries cross-credit in religious studies.

HIS 216L • American Constitutional History 4 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.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Spring. Special Notes: This course carries cross-credit in political science.

HIS 223L • History of the American West 4 Credits

Examines 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.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: January, odd # years.

HIS 230L • World War I 4 Credits

An in-depth look at the shock that engulfed the Western world with World War I from the turn of the 20th century, through the initial welcome of "cleansing" annihilation in 1914, to bleak 20th century disillusionment. World War I songs, literature, and artwork are carefully examined as hands-on artifacts of this period.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Summer.

HIS 231L • World War II 4 Credits

The causes, course, conclusion, and legacy of World War II, particularly as experienced by the people of China, France, Germany, Great Britain, Japan, Russia, and the United States. Key topics include collaboration and resistance, genocide, the war in film, remembrance and forgetting, and the social and economic impacts of the war.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: January, even # years.

HIS 236UZ • Medieval Worlds: Cultures and Beliefs in North Africa and Europe 4 Credits

On-site investigation of the artistic and historical legacy of medieval North Africa and Europe. How southern Spain's multifaceted Christians, Muslims, and Jews influenced, sometimes conflicted, and collaborated with each other. Studies the artistic, archaeological, and historical legacy of these interactions through readings, research, presentations, and creative expression.

Prerequisites: GES 130 or GES 149. Offered: January, even # years. Special Notes: This course carries cross-credit with art.

HIS 241L • Revolution and Political Development 4 Credits

Theory and process of modernization, with special emphasis on the Anglo-American historical experience; examination of U.S. efforts to promote democracy internationally in Europe, Asia, and the Middle East since World War II.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Occasionally January. Special Notes: This course carries cross-credit in political science.

HIS 252L • History and Politics of Sports 4 Credits

The history of sports in the modern era, with particular attention paid to sports' connections to international politics and public policy and to sports as a mirror for the history of race, gender, education, business, labor, and religion in the United States.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Spring, even # years. Special Notes: This course carries cross-credit in political science.

HIS 290 • Introduction to History 2 Credits

An introduction to the methodology and philosophy of history, with particular emphases on preparing students for historical research and writing, on the public uses of history, and on the discipline as a Christian vocation.

Offered: Spring.

HIS 302 • History of Sexuality in the United States 4 Credits

An examination of the history of sexuality from the colonial period to the present. Particular attention to the impact of religion, culture, government, science, and economics on the formation of sexual mores and identities, and the relationship between sexuality and gender, race, ethnicity, age, and class.

Prerequisites: Sophomore standing. Offered: Spring, even # years.

HIS 305G • The Cold War 4 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. Introduction to ongoing historical debates and to the sources historians use in those debates.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit in political science.

HIS 310 • History of Ancient Greece 4 Credits

Study of Greece from Homer and the Bronze Age through the development of citizenship in the Classical period to the empire of Alexander and the Hellenistic world. Focus on democratic Athens, conflicts with Persia and Sparta, and cultural achievements in art, literature, philosophy, and theater.

Prerequisites: GES 130 or GES 145; *Sophomore standing. Offered:* Fall, even # years.

HIS 311 • History of Ancient Rome 4 Credits

Roman history from their origins through their achievement of a world empire to their fall and medieval transition. Topics studied include politics, government, art, philosophy, gender, and religion as well as the emergence and growth of the Christian church.

Prerequisites: GES 130 or GES 145; *Sophomore standing. Offered:* Spring.

HIS 312 • Medieval Europe 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.

Prerequisites: GES 130 or GES 145; *Sophomore standing. Offered:* Occasionally.

HIS 320K • History and the Human Environment 4 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 and Mathematics (M) course. *Offered:* Spring. *Special Notes:* This course carries cross-credit in geography.

HIS 324G • Human Rights in International History 4 Credits

International and comparative exploration of how human rights have been defined, violated, and protected. Historical topics (e.g., abolition of the slave trade, social reform and Christian missions, genocides of the 20th century) as well as contemporary issues.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered:* Occasionally. *Special Notes:* This course carries cross-credit in political science.

HIS 328G • Muslim Women in History 4 Credits

Global survey of the lives of Muslim women from the 7th century to the present. Examination of how Muslim women's lives have historically been shaped by their social context, with particular attention to religious interpretation and expression, culture, ethnicity, and geographic location.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered:* Occasionally. *Special Notes:* This course carries cross-credit in religious studies.

HIS 329 • African Politics 4 Credits

Consideration of political development in Africa from the pre-colonial era through the present, focusing on changes in political regimes through time, the nature of economic struggles, and sources of violent conflict.

Offered: Spring, even # years. *Special Notes:* This course carries cross-credit in political science.

HIS 333 • Crime and Punishment in the United States 4 Credits

An examination of the historical study of crime in the United States. Particular attention to historical patterns of violence, the role and organization of the police, and the evolution of punishment in theory and practice as well as the differences in crime and punishment by race, gender, and age.

Prerequisites: Sophomore standing. *Offered:* Spring, odd # years.

HIS 345 • Modern Political Thought 4 Credits

In-depth examination of selected political thinkers such as Locke, Rousseau, Mill, Nietzsche, Kuyper, Rawls, and Taylor.

Concentrates on primary sources.

Prerequisites: One course in political science, philosophy, or history and Sophomore standing.

Offered: Fall, even # years. *Special Notes:* This course carries cross-credit in political science and philosophy.

HIS 354 • Modern Europe 4 Credits

The social, political, diplomatic, intellectual, and religious history of Europe since 1750.

Key themes include political reforms and revolutions, gender roles, industrialization, migration, nationalism, imperialism, total war, totalitarianism, genocide, decolonization, and secularization.

Prerequisites: GES 130 or GES 149; Sophomore standing. *Offered:* Fall, odd # years.

HIS 356 • Modern Middle East 4 Credits

Political, social, religious, economic, and cultural history of the Middle East since 1800. Particular attention is paid to colonialism, globalization, war, gender roles, revolution, and reform. Discussion of controversies such as the Arab/Israeli conflict, the Islamic Revolution in Iran, Saddam Hussein's Iraq, and the U.S. war on terror.

Prerequisites: Sophomore standing. *Offered:* Fall.

Special Notes: This course carries cross-credit in political science.

HIS 360 • Classical Political Thought 4 Credits

In-depth examination of selected political thinkers such as Plato, Aristotle, Cicero, Marcus Aurelius, Augustine, Thomas Aquinas, Machiavelli, and Hobbes. Concentrates on primary sources.

Prerequisites: One course in political science, philosophy, or history and Sophomore standing.

Offered: Fall, odd # years. *Special Notes:* This course carries cross-credit in philosophy and political science.

HIS 400 • Research in History 4 Credits

An opportunity to work with a member of the history faculty on a major research project.

Prerequisites: Major in history; Coursework appropriate to the area of research; Invitation of supervising faculty member; Consent of department.

Offered: Occasionally. *Special Notes:* No student may take more than eight credits in HIS 400 and/or directed study.

HIS 481 • Internship in History 1-4 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.

Prerequisites: Major in history. *Offered:* Occasionally.

HIS 491 • Applied Humanities Seminar 4 Credits

An interdisciplinary, experiential capstone course in which students draw on their studies in history, philosophy, political science, or the digital humanities in order to study a major challenge in contemporary society, analyzing causes, effects, and existing responses; and then work to propose new responses to it.

Prerequisites: Senior standing and Major in one of the following programs: business and political science, history, international relations, applied philosophy, political science, or social studies education 5-12. *Offered:* Fall, Spring. *Special Notes:* This course carries cross-credit with philosophy and political science.

B.A. in History

Code	Title	Credits
Major in History (B.A.)		
HIS 290	Introduction to History	2
HIS/POS/PHI 491	Applied Humanities Seminar	4
Choose four from the following Core history courses:		16
HIS 302	History of Sexuality in the United States	
HIS 305G	The Cold War	

HIS 310	History of Ancient Greece
HIS 311	History of Ancient Rome
HIS 320K	History and the Human Environment
HIS 328G	Muslim Women in History
HIS 333	Crime and Punishment in the United States
HIS 354	Modern Europe
HIS 356	Modern Middle East

Electives from all history courses: 16

Code	Title	Credits
Major		38
General Education *		48-56
Electives		28-36
Total Credits		122

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in History and a Minor in History.

B.A. in Social Studies Education 5-12

The B.A. in Social Studies Education 5–12 (<https://www.bethel.edu/undergrad/academics/history/majors-minors/social-studies/>) prepares students for a career teaching history, government, and other social studies classes at the middle- or high-school level. It combines coursework in history and social sciences with pedagogical training from the Department of Education (<https://www.bethel.edu/undergrad/academics/education/>), concluding with a student teaching experience in an area school. Students often add a second major in history or one of the social sciences. Advanced study in a second language or a minor in gender studies are also good fits for students preparing to teach grades 5–12. If students would rather work with younger students, they can major in elementary education and add a licensure in social studies (5–8).

Code	Title	Credits
Major in Social Studies Education 5-12 (B.A.)		
ANT 200	Introduction to Anthropology	2
ECO 202	Principles of Microeconomics	2
ECO 203	Principles of Macroeconomics	2
GEO 120	Introduction to Geography	4
HIS 200L	History of the United States	4
HIS 290	Introduction to History	2
HIS 320K	History and the Human Environment	4
POS 100	American Politics and Government	4
PSY 101	Introduction to Psychology I	2
SOC 101	Introduction to Sociology	4
Electives from 200 level or above, at least 12 credits of which must be 300-level or above, half from two or more of the eight disciplines listed above		20
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 203	School Health and Drugs	2
EDU 220	Introduction to Middle Level Education	3

EDU 240	Educational Psychology	3
EDU 241	Educational Psychology Field Experience	1
EDU 317GZ	Educational Equity	4
EDU 320	Pedagogy and the Young Adolescent Learner	1
EDU 321	Integrated Literacy in the Content Areas	1
EDU 418	Methods in Teaching 9-12 Social Studies	2
EDU 419	5-8 Social Studies Methods and Field Experience	2
EDU 490	Student Teaching Block ¹	14

Code	Title	Credits
Major		87
General Education *		36-44
Total Credits		123-131

¹ In order to meet requirements for endorsements and dual majors this number is subject to change. Students should consult with their advisor.

* Courses whose number is followed by a letter fulfill a General Education requirement. For admittance to the education program with a major in Social Studies Education 5-12, students must have a minimum overall grade point average of 3.00. To continue in the program, students must maintain an overall grade point average of 3.00. To be approved for student teaching in Social Studies Education 5-12, students must have a minimum grade point average of 3.00, both overall and in their major coursework.

Students must earn a grade of a C or better in all education courses and each content area course (ANT, ECO, GEO, HIS, POS, PSY, and SOC) listed above in the major. Courses with grades of a C- or lower must be repeated.

Students with a 5-12 licensure in Social Studies Education may choose one or more Middle Level Endorsement. See endorsement area listing under Major in Elementary Education with Middle Level Endorsement in the Education section of this catalog.

Minor in History

Code	Title	Credits
Minor in History		
HIS 290	Introduction to History	2
Electives from history courses, of which 8 credits must be 300 level or above		16
Total Credits		18

Students may not declare a B.A. in History and a Minor in History.

Pietas Honors Program

The Pietas Honors Program (<https://www.bethel.edu/undergrad/academics/honors/>) 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. The program is designed to provide an enriched educational experience for students with exceptional academic ability, to create a community 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.

Students in the program take a total of four Honors-specific courses, which fulfill general education requirements. The textbooks for these courses are provided to the students for free by the Office of Academic Affairs (<https://www.bethel.edu/undergrad/academic-affairs/>). Students also choose one additional course (one at the 200-level or above) to add an Honors tag (H-tag), while also enrolling in HON 001 *Scholarship Project*. In H-tag courses, students collaborate with the course professor to explore a common area of interest by doing an in-depth research project. After the first year of the program, students engage in a significant leadership or service position at Bethel University, while also enrolling in HON 002 *Stewardship Project*. This could include a role as a resident assistant, campus discipleship leader, officer of a recognized campus club or organization within the Bethel Student Government (<https://www.bethel.edu/undergrad/student-life/activities/bsg/>) umbrella, tutor for the Academic Enrichment Support Center (<https://www.bethel.edu/undergrad/academics/support/>), or many others. In addition to these requirements, there are Honors Colloquia, which students are required to attend throughout their time in the program.

Students interested in applying for the Pietas Honors Program should contact the directors of the Pietas Honors Program.

Pietas Honors Program

Code	Title	Credits
HON 160	Pietas Seminar I ¹	4
HON 300G	Pietas Seminar II	4
HON 305K	Pietas Seminar III	4
HON 464P	Pietas Seminar IV	2
HON 001	Scholarship Project	0
HON 002	Stewardship Project	0
Total Credits		14

¹ This course meets the GES 160 Inquiry Writing Seminar requirement.

Courses whose number is followed by a letter fulfill a General Education requirement.

HON 001 • Scholarship Project 0 Credit

A research project done in collaboration with the Honors Program and an additional course of the student's choosing.

Prerequisites: HON 160; *Acceptance into the Pietas Honors Program.* *Corequisites:* Concurrent registration in a course that corresponds to honors research project. *Offered:* Fall, January, Spring. *Special Notes:* This course is graded on an S/U basis.

HON 002 • Stewardship Project 0 Credit

A significant leadership or service position done in collaboration with the Honors Program.

Prerequisites: HON 160 and *Acceptance into the Pietas Honors Program.* *Offered:* Fall, January, Spring. *Special Notes:* This course is graded on an S/U basis.

HON 160 • Pietas Seminar I 4 Credits

Introduction to the value of a liberal arts education in the Christian tradition and key facets of the Pietas Program. While exploring a specific topic of interest, the seminar promotes the establishment of community among students and faculty. Instruction and practice in writing, as well as preparing and delivering oral presentations, in a manner that addresses the strengths and needs of students.

Prerequisites: Admission to the Pietas Honors Program. Offered: Fall, Spring. Special Notes: This course fulfills the Inquiry Writing Seminar (GES 160) General Education requirement.

HON 300G • Pietas Seminar II 4 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: HON 160; Admission to the Pietas Honors Program; [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Spring.

HON 305K • Pietas Seminar III 4 Credits

Contemporary and historical topics 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 and Mathematics (M) course; Admission to the Pietas Honors Program. Offered: Fall.

HON 464P • Pietas Seminar IV 2 Credits

Collaboratively research, discuss, evaluate, and address an interdisciplinary issue of contemporary civic importance. Synthesize work completed in other Honors courses and projects as well as reflect on the role of faith in the life of Christian scholarship.

Prerequisites: HON 160; HON 300G; HON 305K; Senior standing; [GES 149 or GES 160]; THE 201; [Contemporary Western Life and Thought (L) course or Comparative Systems (G) course] or World Cultures (U) course]. Offered: Spring.

Languages and Cultures

The Languages and Cultures programs (<https://www.bethel.edu/undergrad/academics/languages-cultures/>) equip students to be culturally responsive and linguistically competent professionals. Our programs prepare graduates to understand, interact with, and serve with people from other cultures. Students learn to see God's diverse world from new perspectives and become globally aware graduates prepared to culturally engage with communities from a thoughtful, Christian perspective. Courses include language, culture, history, literature, and current issues. The languages students can choose from are American Sign Language (ASL) and Spanish. Languages and Cultures programs complement majors and minors from many other departments.

Study Abroad

The Spanish major (<https://www.bethel.edu/undergrad/academics/majors-minors/spanish/>) requires students to live or study outside the United States. Bethel offers a semester-long program in Spain (see Off-Campus Programs (p. 55)) or students may work with the Office of International and Off-Campus Programs (<https://www.bethel.edu/international-studies/>) to select other programs abroad. In addition, students can participate in January session courses in Spanish-speaking countries.

Placement Evaluation

Prior to enrolling in a language course at Bethel, all students who have previously taken three or more years of the language at the high school level must complete a placement exam given by Languages and Cultures. 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 Languages and Cultures faculty, but may choose to take the placement

test to ensure they enroll in the appropriate course for their language skills.

Language Evaluation

Students may fulfill Bethel's language requirement by:

1. Completing the second semester of the first year of a (beginning or introductory) college-level language class or higher with a passing grade at Bethel University (e.g., SPA 102S *Introductory Spanish II* or higher course into which student is placed).
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. Providing evidence of being a native or heritage speaker (contact the Language Testing Coordinator for more information at, language-testing@bethel.edu).

See the Second Language section (p. 23) of this catalog under the General Education Program for further information about the language requirement.

Major in Languages and Cultures

- B.A. in Spanish (p. 223)

Minor in Languages and Cultures

- Spanish (p. 224)

ASL 101 • Introductory American Sign Language I 4 Credits

Enables students with no knowledge of American Sign Language (ASL) to communicate comfortably in a variety of situations. Focuses on development of expressive, receptive, and visual readiness skills in basic ASL. Introduces conversational vocabulary, fingerspelling, grammatical principles, and syntax. Includes information about deaf culture.

Offered: Fall, Spring.

ASL 102S • Introductory American Sign Language II 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.

Prerequisites: ASL 101 or Placement exam. *Offered:* Fall, Spring.

SPA 101 • Introductory Spanish I 4 Credits

Listening, speaking, reading, and writing. Opportunities for oral and written practice encourage actual communication in Spanish.

Prerequisites: No more than one year of high school Spanish or Placement exam. *Offered:* Fall, Spring.

SPA 102S • Introductory Spanish II 4 Credits

Continuation of functional, practical understanding and communicative use of the Spanish language and cultures.

Prerequisites: SPA 101 or Placement exam. *Offered:* Fall, January, Spring.

SPA 120A • Photography in Spain 4 Credits

Technical and conceptual acquaintance with the photography medium and its vocabulary within the realm of high art. Includes camera operation, black and white film developing, print processing, and finishing.

Offered: Spring. *Special Notes:* This course is offered only as part of the Semester in Segovia Program.

SPA 201S • Intermediate Spanish I 4 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.

Prerequisites: SPA 102S or Placement exam. *Offered:* Fall, Spring.

SPA 202SU • Intermediate Spanish II 4 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. Service-learning experience required.

Prerequisites: SPA 201S or Placement exam; GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). *Offered:* Occasionally.

SPA 202UZ • Intermediate Spanish II 4 Credits

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. Service-learning experience required.

Prerequisites: SPA 201S or Placement exam; GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). *Offered:* Fall, Spring. *Special Notes:* This course meets the S-tag General Education course requirement.

SPA 261S • Spanish for Health Professionals 4 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.

Prerequisites: SPA 201S or Placement exam. *Offered:* Occasionally.

SPA 303U • Historic Spain and its Cultures 4 Credits

Study of the multi-cultural richness of Spain in its unique history, society, politics, art, film, and music. Participation in a series of field trips to places of cultural and historical interest in Segovia and to museums in Madrid.

Prerequisites: GES 130 or GES 149 (may be taken concurrently); SPA 330S or SPA 340U or Consent of Instructor and SPA 202UZ or SPA 261S. *Offered:* Spring. *Special Notes:* This course is only offered as part of the Semester in Segovia program.

SPA 316 • Modern Spain: An Examination of Ethics 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.

Prerequisites: SPA 342 or Concurrent enrollment in SPA 303U. *Offered:* Spring. *Special Notes:* This course is only offered as part of the Semester in Segovia program.

SPA 317 • Advanced Communication in Spain 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.

Prerequisites: SPA 303U (may be taken concurrently) or Consent of instructor and SPA 202UZ or SPA 261S. Offered: Spring. Special Notes: This course is only offered as part of the Semester in Segovia program.

SPA 327 • Marketing and Management in Spain 4 Credits

Theoretical and practical concepts of marketing and management in the semi-globalized world. The significant challenges globalization presents to management and marketing, specifically in the context of Spain. Business terminology and reality in a Spanish business environment.

Prerequisites: SPA 202UZ or SPA 261S. Offered: Spring. Special Notes: This course is only offered as part of the Semester in Segovia program. This course carries cross-credit in business.

SPA 330S • Advanced Conversation 4 Credits

Contemporary topics to further develop oral proficiency skills through informal and formal conversations, group discussions, an academic presentation, and readings in select topics.

Prerequisites: SPA 202UZ or SPA 261S. Offered: Spring.

SPA 340U • Historical Heritage in the Spanish Speaking World 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.

Prerequisites: SPA 202UZ, SPA 261S, or Consent of instructor. Offered: Fall, Occasionally spring.

SPA 342 • Readings from Latin America and Spain 4 Credits

Readings in novels, essays, short stories, and poetry from Latin America and Spain.

Prerequisites: SPA 330S or SPA 340U. Offered: Fall, Occasionally spring.

SPA 350 • Contemporary Narratives in Spain 4 Credits

Analysis of literary and nonliterary texts of women in the Spanish-speaking world representing diverse interpretations of historical, political, and cultural realities.

Prerequisites: SPA 330S or SPA 340U. Offered: Spring. Special Notes: This course is only offered as part of the Semester in Segovia program.

SPA 352 • Classical Narratives in Spain 4 Credits

Analysis of strategies in literary and historical texts from Latin America and Spain that arose in response to the censorship of diverse voices, religious intolerance, and political consolidation.

Prerequisites: SPA 342. Offered: Spring. Special Notes: This course is only offered as part of the Semester in Segovia program.

SPA 361 • Introducción a la Biblia 4 Credits

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

Prerequisites: SPA 340U or Consent of instructor. Offered: Fall. Special Notes: Instruction is in Spanish. This course carries cross credit in biblical and theological studies.

SPA 481 • Internship in Spanish 1-4 Credits

Cross-cultural experience to apply and expand Spanish communication knowledge and communication skills in an off-campus setting. Placements must be at an organization or business within the Latino community or in the Spanish-speaking world. Must be planned in advance of placement in consultation with the Languages and Cultures department.

Prerequisites: Major or minor in Spanish. Offered: By arrangement.

SPA 499 • Senior Seminar 4 Credits

An in-depth study and presentation of a topic related to Hispanic cultures, literatures, or the Spanish language. Service-learning experience may be required.

Prerequisites: Major in Spanish and Senior standing or Consent of instructor. Offered: Fall.

TEL 240 • TESOL Practicum Abroad 1 Credit

In consultation with the department, students select a program outside the United States in which they tutor 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 and share their experiences in a colloquium of TESL/TEFL majors upon their return.

Prerequisites: LIN210Z and Consent of the Languages and Cultures department. Offered: By arrangement. Special Notes: This course is graded on an S/U basis.

TEL 320 • Curriculum Development and Assessment 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.

Prerequisites: LIN210Z. Offered: Spring. Special Notes: This course can be taken concurrently with EDU 400.

B.A. in Spanish

Code	Title	Credits
Major in Spanish (B.A)		
SPA 201S	Intermediate Spanish I ¹	4
SPA 499	Senior Seminar	4
Choose one of the following courses:		4
SPA 202UZ	Intermediate Spanish II	
SPA 261S	Spanish for Health Professionals	
Choose one of the following courses:		4
SPA 330S	Advanced Conversation	
SPA 340U	Historical Heritage in the Spanish Speaking World	
Choose one of the following courses:		3-4
SPA 342	Readings from Latin America and Spain	
SPA 361	Introducción a la Biblia ²	
Semester in Segovia:		
SPA 303U	Historic Spain and its Cultures	4
SPA 317	Advanced Communication in Spain	4
Choose two to three courses from the following:		6-12
SPA 316	Modern Spain: An Examination of Ethics	
SPA 350	Contemporary Narratives in Spain	
SPA 352	Classical Narratives in Spain ³	
SPA 481	Internship in Spanish	
Code	Title	Credits
Major		33-40
General Education *		40-48
Electives		41-42
Total Credits		122

¹ SPA 102S or Languages and Cultures placement exam is a prerequisite for this course.

² SPA 340U or Consent of instructor is a prerequisite for this course.

³ SPA 342 is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Additional requirements for a 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 Languages and Cultures.

Students may not declare a B.A. in Spanish and a Minor in Spanish.

Minor in Spanish

Code	Title	Credits
Minor in Spanish		
SPA 201S	Intermediate Spanish I ¹	4
SPA 340U	Historical Heritage in the Spanish Speaking World	4
SPA 342	Readings from Latin America and Spain	4
Choose one of the following courses:		4
SPA 202UZ	Intermediate Spanish II ¹	
SPA 261S	Spanish for Health Professionals	
Choose one of the following courses:		3-4
SPA 330S	Advanced Conversation	
SPA 361	Introducción a la Biblia	
Total Credits		19-20

¹ SPA 102S or the Language and Cultures placement exam is a prerequisite for this course. Students are encouraged to study abroad. This experience could substitute for courses in the minor with prior approval of the department.

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Spanish and a Minor in Spanish.

Mathematics

The majors in Mathematics (<https://www.bethel.edu/undergrad/academics/math-cs/>) prepare students for a variety of careers through a balance of theoretical and practical coursework. Theoretical study begins with introduction to proofs and continues through linear algebra, abstract algebra, real analysis, complex analysis, combinatorics, graph theory, and senior seminar. Problem-solving and mathematical modeling skills are honed through the calculus sequence of courses, differential equations, probability and statistics, numerical analysis, and operations research. Practical computing skills are developed by using advanced software in many courses and through introductory programming courses. Students who wish to teach mathematics in grades 5-12 may also include coursework designed specifically to satisfy state licensure requirements. Additional coursework and advising are available for students preparing for graduate school or for math-oriented careers such as data science and actuarial science.

Advanced Placement: The Math and Computer Science department (<https://www.bethel.edu/undergrad/academics/math-cs/>) requires a score of 4 or better on the AB AP exam, or 3 or better on the BC AP exam, or less than 3 with a subscore of 4-5 on the BC AP exam in order for the exam to be used to fulfill course requirements in the majors and minors it offers. Students with a score of 3 will receive elective credit or receive credit toward General Education requirements. Students should consult the department chair with questions on AP exams and requirements for majors.

Majors in Mathematics

- B.A. in Mathematics (p. 228)
- B.A. in Mathematics with Education 5-12 Licensure (p. 229)
- B.S. in Actuarial Science and Finance (p. 69)
- B.S. in Mathematics and Data Science (p. 230)

Minor in Mathematics

- Mathematics (p. 231)

MAT 101M • Mathematics for the 21st Century 4 Credits

Mathematical ideas that a liberally educated person should be familiar with in order to function well in a technological society.

Prerequisites: Two years of high school algebra, including logarithms and exponential functions.

Offered: Fall, Spring. *Special Notes:* This course carries cross-credit with MATH 180.

MAT 102M • Creative Problem Solving 4 Credits

Learn to use creative thinking and intuition to gain confidence in understanding and solving some intriguing problems in mathematics.

Prerequisites: High school algebra and geometry.

Offered: January.

MAT 121M • Precalculus 4 Credits

Mathematics topics required for MAT 124M or further study in the natural sciences. Equations and inequalities; graphs of functions and relations; polynomial, rational, exponential, logarithmic functions; trigonometric functions, identities, equations, and applications.

Prerequisites: A course in Geometry; Two years of high school algebra. *Offered:* Spring.

MAT 122 • Calculus 1 Corequisite 2 Credits

Concepts, strategies, and skills necessary to succeed in MAT 124M.

Prerequisites: Placement at MAT 122 on the Math and Computer Science department placement exam; MAT 121M or equivalent high school or college course(s). *Offered:* Fall. *Special Notes:* Designed to give increased support to students concurrently taking MAT 124M. For Placement information, see: <https://www.bethel.edu/undergrad/academics/math-cs/placement-exams/>

MAT 124M • Calculus 1 4 Credits

A mathematical foundation for future college courses and beyond. Introduces the concepts and methods of the derivative and the integral, demonstrating 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: Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s). *Offered:* Fall, Spring. *Special Notes:* For Placement information, see: <https://www.bethel.edu/undergrad/academics/math-cs/placement-exams/>

MAT 125 • Calculus 2 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 viewpoints (graphical, numerical, algebraic) to involve students with different learning styles.

Prerequisites: MAT 124M with a C- or higher.
Offered: Fall, Spring.

MAT 201M • Mathematics for Elementary Education 1 4 Credits

Introduction to problem solving; patterns and sequences; systems of numeration; sets and logic; concepts, operations, and algorithms for each subset of the real numbers; elementary number theory; concepts and applications of ratios, proportions, and percents; data analysis, statistics, combinations/permutations, and probability.

Prerequisites: Major in elementary education; minimum ACT mathematics score of 24, minimum SAT mathematics score of 580 or satisfactory completion of Bethel's online Math for Elementary Education prep course; 15 college-level credits completed. *Offered:* Fall, Spring. *Special Notes:* MAT 201M may not be used to fulfill the requirements for a major or minor in mathematics. For Placement information, see: <https://www.bethel.edu/undergrad/academics/math-cs/placement-exams/>

MAT 202 • Mathematics for Elementary Education 2 3 Credits

Problem-solving and reasoning strategies; algebraic expressions, equations, and functions; concepts and applications of two- and three-dimensional geometry and measurement.

Prerequisites: MAT 201M with a C or higher.
Offered: Fall, Spring. *Special Notes:* MAT 202 may not be used to fulfill the requirements for a major or minor in mathematics.

MAT 207M • Statistical Analysis 4 Credits

Descriptive and inferential statistics. Specific topics include discrete probability spaces, random variables, distributions, normal distribution, estimation, hypothesis testing, linear regression, correlation analysis. Possible additional topics include: analysis of variance, goodness-of-fit, and contingency tables. Applications to business, economics, and science.

Offered: Fall, January, Spring. *Special Notes:* Students may not receive credit for both MAT 207M and BUS 201M or PSY 230M. MAT 207M will not count toward the psychology minor elective credit requirement.

MAT 211 • Linear Algebra 4 Credits

Linear systems, matrices, vectors and vector spaces, linear transformations, inner products, norms, eigenvalues and eigenvectors, orthogonality, and applications. A foundation for many areas of study in mathematics, computer science, engineering, and science.

Prerequisites: MAT 125 with a C- or higher or MAT 242 with a C- or higher. *Offered:* Fall.

MAT 222 • Differential Equations 4 Credits
Analytic solution methods for ordinary differential equations, including special methods for first- and second-order systems, and transformation methods. Analysis of systems of differential equations using linear algebra and qualitative phase plane techniques.

Prerequisites: MAT 125 with a C- or higher. *Offered:* Spring. *Special Notes:* Students may not receive credit for both MAT 224 and MAT 222.

MAT 223 • Multivariable Calculus 4 Credits

Calculus of parametric curves: arc length, curvature, motion. Calculus of real functions on \mathbb{R}^n : partial and directional derivatives, multiple integration, optimization techniques (including Lagrange multipliers). Calculus of vector fields: curl, divergence, line and surface integrals, and fundamental theorems.

Prerequisites: MAT 125 with a C- or higher. *Offered:* Fall, Spring.

MAT 224 • Differential Equations with Linear Algebra 4 Credits

A synthesis of discrete and continuous dynamical systems (difference equations and differential equations) using linear algebra. Standard symbolic, numerical, and qualitative solution methods for differential equations along with relevant computations and theoretical concepts from linear algebra, including: matrix operations, vector spaces, basis, dimension, change of basis, eigenvalues, and diagonalization.

Prerequisites: MAT 125 with a C- or higher. *Special Notes:* Students may not receive credit for both MAT 224 and MAT 222. *Offered:* Fall.

MAT 242 • Introduction to Proofs 2 Credits

An introduction to mathematical reasoning skills with a focus on proof techniques such as direct and indirect proof, proof by contradiction, and mathematical induction. Also includes examination of sets, logic, and elementary number theory. Emphasis on mathematical communication.

Prerequisites: MAT 124M with a C- or higher. *Offered:* Fall, Spring.

MAT 248 • Mathematics of Computer Science 4 Credits

Covers a set of topics necessary to computer science majors, including algorithmic analysis, relations, counting, graphs, trees, and finite probability theory.

Prerequisites: COS 110 with a C- or higher or COS 111 with a C- or higher; MAT 242 with a C- or higher. *Offered:* Spring.

MAT 299 • Careers in Mathematics and Computer Science Seminar 0 Credit

Explores careers in mathematics and computer science through a selection of videos, lectures, tours, or guest speakers. Activities may include developing practical professional skills such as writing resumes and cover letters, accumulating connections and experience, and techniques for interviewing.

Prerequisites: MAT 124M with a C- or higher. *Offered:* Fall.

MAT 300 • Numerical Analysis 2 Credits

A study of accuracy, efficiency, and robustness of algorithms for numerical approximations of roots, fixed points, functions (interpolation), integration, and solutions of ordinary differential equations. Other topics may include numerical linear algebra.

Prerequisites: MAT 125 with a C- or higher. *Offered:* Spring, odd # years.

MAT 309 • Financial Mathematics 3 Credits

Topics and problem-solving practice for the actuarial exam in financial mathematics.

Theory of interest topics include: time value of money, annuities, cash flows, amortized loans, bonds, portfolios, and immunization. Financial economics topics include: derivatives, options, forwards and futures, swaps, hedging, and investment strategies.

Prerequisites: MAT 125 with a C- or higher. *Offered:* Fall, even # years.

MAT 322 • Complex Analysis 4 Credits

Extends the concepts of calculus and analysis to the complex setting. Topics include complex numbers, analytic functions, elementary functions, differentiation, integration, series, residues, and poles.

Prerequisites: MAT 223 with a C- or higher; MAT 242 with a C- or higher or Consent of instructor. *Offered:* Spring, odd # years.

MAT 330 • Probability and Statistics 3 Credits

Basic axiomatic probability, conditional probability and Bayes' Theorem, discrete and continuous random variables and their distributions, moment generating functions, multivariate random variables and transformations, introduction to stochastic processes, sampling distributions and estimators, confidence intervals, hypothesis testing, and an introduction to simple linear regression. Applications to actuarial science, data science, and engineering.

Prerequisites: MAT 125 with a C- or higher. *Offered:* Fall.

MAT 331 • Advanced Probability and Statistics 3 Credits

Review of probability and statistics, with more depth. Other topics may include: convolution, advanced estimation and hypothesis testing theory and applications, likelihood ratio test, Neyman-Pearson Lemma, best tests, Bayesian estimation, linear and multilinear regression, factor analysis, including analysis of variance and experimental design, chi-square test, and quality control.

Prerequisites: MAT 330 with a C- or higher. *Offered:* Spring, even # years.

MAT 376 • Operations Research 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: COS 110 with a C- or higher or COS 111 with a C- or higher; MAT 211 with a C- or higher or MAT 224 with a C- or higher. Offered: Fall, odd # years.

MAT 410 • Abstract Algebra 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.
Prerequisites: MAT 211 with a C- or higher and MAT 242 with a C- or higher. Offered: Spring.

MAT 422 • Real Analysis 4 Credits
 Elementary set theory, properties of real numbers, functions of real variables, sequences, series, differentiation, Riemann integration, and introduction to topological concepts.
Prerequisites: MAT 223 with a C- or higher and MAT 242 with a C- or higher. Offered: Fall.

MAT 441 • Combinatorics and Graph Theory 4 Credits
 Combinatorics: permutations, combinations, multinomial coefficients, and generating functions. Graph theory: graphs, connectivity, Eulerian tours, trees, matchings, planarity, and chromatic number.
Prerequisites: MAT 242 with a C- or higher. Offered: Fall, odd # years.

MAT 451 • Modern Geometry 4 Credits
 An exploration of informal and formal geometric topics using dynamic mathematics software. Investigation of concepts, structure, proof, Euclidean, non-Euclidean, and transformational geometry.
Prerequisites: MAT 242 with a C- or higher. Offered: Fall, even # years.

MAT 490 • Topics in Mathematics 4 Credits
 An in-depth study of a specific field of mathematics.
Prerequisites: MAT 211 with a C- or higher and MAT 242 with a C- or higher. Offered: Occasionally.

MAT 499 • Senior Seminar 2 Credits
 A short history of mathematics' major transition points, overview of foundations of mathematics, axiomatic structures, and philosophies of mathematics in relation to Christian faith.
Prerequisites: MAT 410 with a C- or higher or MAT 422 with a C- or higher; Senior standing. Offered: January.

B.A. in Mathematics

Code	Title	Credits
Major in Mathematics (B.A.)		
COS 111	Introduction to Programming	4
MAT 124M	Calculus 1 ²	4
MAT 125	Calculus 2	4
MAT 211	Linear Algebra	4
MAT 222	Differential Equations ¹	4
MAT 223	Multivariable Calculus	4
MAT 242	Introduction to Proofs	2
MAT 299	Careers in Mathematics and Computer Science Seminar	0
MAT 322	Complex Analysis	4
MAT 330	Probability and Statistics	3
MAT 410	Abstract Algebra	4
MAT 422	Real Analysis	4
MAT 441	Combinatorics and Graph Theory	4

MAT 499	Senior Seminar	2
Electives from 300-level or above MAT courses or COS 341 ³		3-4

Code	Title	Credits
Major		50-51
General Education *		44-52
Electives		20-27
Total Credits		122

¹ MAT 224 may be used as a substitute.

² Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

³ MAT 248 with a C- or higher or Consent of instructor is a prerequisite for COS 341.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Mathematics and a Minor in Mathematics.

Students may not declare a B.A. in Mathematics and a B.A. in Mathematics with Education 5-12 Licensure.

Students may not declare a B.A. in Mathematics and B.S. in Mathematics and Data Science.

B.A. in Mathematics with Education 5-12 Licensure

Code	Title	Credits
Major in Mathematics Education 5-12 (B.A.)		
COS 111	Introduction to Programming	4
MAT 124M	Calculus 1 ²	4
MAT 125	Calculus 2	4
MAT 211	Linear Algebra	4
MAT 223	Multivariable Calculus	4
MAT 242	Introduction to Proofs	2
MAT 299	Careers in Mathematics and Computer Science Seminar	0
MAT 330	Probability and Statistics	3
MAT 410	Abstract Algebra	4
MAT 422	Real Analysis	4
MAT 441	Combinatorics and Graph Theory	4
MAT 451	Modern Geometry	4
MAT 499	Senior Seminar	2
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 203	School Health and Drugs	2
EDU 220	Introduction to Middle Level Education	3
EDU 240	Educational Psychology	3
EDU 241	Educational Psychology Field Experience	1
EDU 317GZ	Educational Equity	4
EDU 320	Pedagogy and the Young Adolescent Learner	1
EDU 321	Integrated Literacy in the Content Areas	1

EDU 411	Mathematics Education Field Experience in grades 5-8 or 5-12	1
EDU 412	Methods in Teaching 5-12 Mathematics	3
EDU 490	Student Teaching Block ¹	14
Code	Title	Credits
Major		80
General Education *		40-48
Electives		0-2
Total Credits		122-128

¹ In order to meet requirements for endorsements and dual majors the number of credits is subject to change. Students should consult with their advisor.

² Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students must earn a grade of C or better in each content area and education course (MAT, COS, EDU) in the major. Courses with grades C- or lower must be repeated. Students with 5-12 licensure in Mathematics Education may choose one or more Middle Level Endorsements. See endorsement area listing under Major in Elementary Education with Middle Level Endorsement (p. 161) in the Education section (p. 150) of this catalog.

Students may not declare a B.A. in Mathematics with Education 5-12 Licensure and a Minor in Mathematics

Students may not declare a B.A. in Mathematics with Education 5-12 Licensure and a B.A. in Mathematics.

B.S. in Mathematics and Data Science

Code	Title	Credits
Major in Mathematics and Data Science (B.S.)		
COS 111	Introduction to Programming	4
COS 211	Data Structures	4
COS 277	Software Development Fundamentals	4
COS 313	Database Systems	2
COS 334	Data Mining and Machine Learning	3
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 211	Linear Algebra	4
MAT 222	Differential Equations ²	4
MAT 223	Multivariable Calculus	4
MAT 242	Introduction to Proofs	2
MAT 299	Careers in Mathematics and Computer Science Seminar	0
MAT 330	Probability and Statistics	3
MAT 331	Advanced Probability and Statistics	3
MAT 410	Abstract Algebra	4
MAT 422	Real Analysis	4
MAT 441	Combinatorics and Graph Theory	4

MAT 499	Senior Seminar	2
BUS 317	Business Analytics	4
Choose on of the following courses:		3-4
BUS 416	Business Forecasting and Data Mining ³	
MAT 376	Operations Research	
Electives from 300-level or above MAT courses or 200-level or above COS courses		2
Code	Title	Credits
Major		68-69
General Education *		44-52
Electives		2-9
Total Credits		122

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

² MAT 224 may be used as a substitute.

³ COS 101 is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.S. in Mathematics and Data Science and a B.A. Mathematics.

Students may not declare a B.S. in Mathematics and Data Science and a Minor in Mathematics.

Minor in Mathematics

Code	Title	Credits
Minor in Mathematics		
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 211	Linear Algebra	4
Electives from 200-level or above MAT courses or COS 341, ENR 321, or ENR 322/PHY 322 (excluding MAT 201M, MAT 202, and MAT 207M) ^{2,3}		10-12
Total Credits		22-24

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

² COS 110 with a C- or higher or COS 111 with a C- or higher and MAT 248 with a C- or higher or Consent of instructor are prerequisites for COS 341.

³ MAT 222 or MAT 224 (may be taken concurrently) and MAT 223 are prerequisites for ENR 321 and ENR 322/PHY 322.

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Mathematics and a Minor in Mathematics.

Students may not declare a B.A. in Mathematics with Education 5-12 Licensure and a Minor in Mathematics.

Students may not declare a B.S. in Mathematics and Data Science and a Minor in Mathematics.

Music and Performing Arts

The Department of Music and Performing Arts (<https://www.bethel.edu/undergrad/academics/music/>) offers three degree programs for music majors:

1. 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.
2. 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, etc.
3. 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.

Students majoring in fields outside of music may choose elective courses in music, take private lessons, and participate in performance organizations.

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.

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; music education majors and B.A. majors must fulfill Level III. Applied proficiency levels are determined by area of study (voice, keyboard, instrumental, and strings) and approved by the specific Area Directors.

- **Piano Proficiency.** Expectations and standards are covered in MUL 143A *Introduction to Keyboard Theory* and following music theory keyboard labs. The Director of Keyboard Activities tracks individual progress through the piano proficiency.
- **Guitar Proficiency.** Required of all music education majors and may be passed by successfully completing MUL 142A *Beginning Guitar* or testing out. For more information on testing out of the guitar proficiency, contact the Music Office.

Additional Requirements

- **Entrance Audition.** Passing the Ensemble Audition and acceptance into an auditioned ensemble signifies initial entry into the Music Program. The auditioned ensembles are any MUP and MUE ensembles.
- **Music Juries.** Music majors and minors taking private lessons must perform on their applied instruments 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 held. A music minor is required to perform a music jury for a minimum of four semesters. The music jury can constitute the 12th lesson for music majors and minors.
- **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 MUS 195 Music Hour syllabus. Music minors are required to attend 64 concerts over a four-year period. Expectations are detailed in the MUS 195 Music Hour syllabus. Concerts that meet this requirement include faculty recitals, student recitals, and approved professional off-campus concerts.
- **Sophomore Interview.** Formal acceptance into a degree program takes place during the second year of study. Music Education majors must apply during the fall of the second year. B.A. and Applied Performance majors apply in the spring of the second year. Students who do not pass their sophomore Interview are not allowed to take any further music courses but may still continue in lessons and ensembles if they choose. Details and procedures of the sophomore

Interview process are available in the Music Office.

Performing Arts

The minor in Performing Arts supports students who want to pursue performing arts, students who want to incorporate vital theatre skills into their professional and personal lives, and students who want to shine their light and share their gifts by creatively telling important stories. Skills such as creativity, communication, empathy, collaboration, and artistry are developed in theatre classes and productions. These skills are important in a wide range of professions and vital in developing healthy relationships. Incarnation and story are at the heart of Performing Arts and Christian faith. Bringing meaningful stories to life in our productions builds community and enriches both those who create our shows, and those who attend them.

Majors in Music and Performing Arts

- B.A. in Music (p. 238)
- B.Mus. in Applied Performance (p. 239)
- B.Mus.Ed. in Music Education (p. 240)

Minors in Music and Performing Arts

- Media and Performing Arts (p. 242)
- Music (p. 243)

Endorsement in Music and Performing Arts

- Music Performance (p. 169)

Music Courses

MUS 101 • Music Fundamentals 1 Credit

Fundamentals of music theory notation: clefs; time signatures; major and minor key signatures; major and all three forms of minor scales; intervals and triads, including qualities and inversions; Roman numeral analysis with figured bass; overtone series.

Corequisites: Concurrent registration in MUL 143A and MUS 103 or Consent of instructor is required. Offered: Fall.

MUS 103 • Introduction to Music Literature 2 Credits

Development of listening skills and musical vocabulary pertinent to the study of Western music history through a chronological survey of major historical style periods and representative literature.

Corequisites: Concurrent registration in MUS 101 and MUL 143A is required or Consent of instructor. Offered: Fall.

MUS 104 • Music Theory I 3 Credits

A continuation of MUS 101 concepts and materials: voice-leading and part-writing of triads and seventh chords, and modulations in diatonic chorale style. Beginning development of ear-training and sight-singing, music technology, computer applications, and continuation of functional keyboard skills.

Prerequisites: MUS 101 and MUS 103. Offered: Spring.

MUS 195 • Music Hour 0 Credit

A weekly informal recital meeting time 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.

Prerequisites: Major or minor in music. Offered: Fall, Spring. *Special Notes:* Music majors must register each semester in residence in order to complete the Recital and Concert Attendance requirements for graduation. This course is graded on an S/U basis.

MUS 202 • Music Theory II 3 Credits

A continuation of MUS 104 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.

Prerequisites: MUS 104. Offered: Fall.

MUS 203 • Music Theory III 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.

Prerequisites: MUS 202 or Consent of instructor. Offered: Spring.

MUS 240 • Producing and Performing an Opera 4 Credits

Instruction in opera production, literature, standards, and performance practices. One opera or operetta is studied and rehearsed during January session, then performed in the first week of the Spring term. Includes proper stagecraft for the operatic genre as well as the historical, cultural, and sociological significance of the work.

Offered: January, odd # years.

MUS 262A • How To Write A Song 3 Credits

Explore song history, analysis, and structure in order to compose and record an original piece.

Offered: Occasionally. Special Notes: This course does not require any formal music background.

MUS 301 • Music Theory IV 3 Credits

Advanced analysis and composition in all styles with a focus on 20th century music.

Prerequisites: MUS 203. Offered: Spring, odd # years.

MUS 305G • Music in World Cultures 4 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 with each offering.

Prerequisites: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Spring, even # years.

MUS 312 • Music History and Literature I 3 Credits

Chronological survey of Western musical art from the Greek civilization through the Baroque period with detailed examination of representative works.

Prerequisites: MUS 103 and MUS 104. Offered: Fall.

MUS 313 • Music History and Literature II 3 Credits

A continuation of MUS 312, from 1750 to the present.

Prerequisites: MUS 312. Offered: Spring.

MUS 322 • Instrumental Literature and Conducting 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 is explored.

Prerequisites: MUS 324. Offered: Spring.

MUS 323 • Instrumentation 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: MUS 202 and MUS 312. Offered: Spring.

MUS 324 • Choral Literature and Conducting 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: MUS 202 and MUS 313 or Consent of instructor. Offered: Fall.

MUS 326 • Vocal Literature 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.

Prerequisites: MUS 203 or MUS 313. Offered: Spring, even # years.

MUS 340 • Producing and Performing an Opera 4 Credits

Instruction in opera production, literature, standards, and performance practices. One opera or operetta is studied and rehearsed during January session, then performed in the first week of the Spring term. Includes proper stagecraft for the operatic genre as well as the historical, cultural, and sociological significance of the work.

Offered: January, odd # years.

MUS 357 • Piano Pedagogy 2 Credits

Methods of teaching piano. Overview of teaching materials including method books, literature collections and anthologies, and supplementary materials.

Prerequisites: Major or minor in music. Offered: Occasionally.

MUS 358 • Brass Methods 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.

Prerequisites: Major or minor in music. Offered: Fall, even # years.

MUS 359 • Percussion Methods 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.

Prerequisites: Major or minor in music. Offered: Spring, odd # years.

MUS 360 • String Methods 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.

Prerequisites: Major or minor in music. Offered: Spring, even # years.

MUS 362 • Woodwind Methods 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.

Prerequisites: Major or minor in music. Offered: Fall, odd # years.

MUS 363 • Vocal Pedagogy 2 Credits

Methods of teaching the vocal mechanism and its functions. Performance techniques and materials as well as practical experience.

Prerequisites: Four semesters of voice lessons. Offered: Spring, odd # years.

MUS 366 • Italian and English Lyric Diction 1 Credit

Studies in pronunciation of Italian and English songs through the use of the International Phonetic Alphabet (IPA). Verbal, written, and sung realization of this work practiced on assigned repertoire.

Prerequisites: One year private voice study or equivalent. Offered: Fall.

MUS 367 • French Lyric Diction 1 Credit

Studies in pronunciation of French diction through use of the International Phonetic Alphabet (IPA). Verbal, written, and sung realizations of this work practiced on assigned repertoire.

Prerequisites: MUS 366. Offered: Spring, odd # years.

MUS 368 • German Lyric Diction 1 Credit

Studies in pronunciation of German diction through the use of the International Phonetic Alphabet (IPA). Verbal, written, and sung realization of this work practiced on assigned repertoire.

Prerequisites: MUS 366. Offered: Spring, even # years.

MUS 395 • Junior Recital 0 Credit

A culminating performance experience required for the bachelor of music applied performance major. A one half-hour recital of Level III repertoire is presented.

Prerequisites: Pre-recital hearing. Offered: Fall, Spring.

MUS 495 • Half Senior Recital 0 Credit

A culminating performance experience required for bachelor of music and bachelor of music education majors. A one half-hour recital of Level III repertoire is presented.

Prerequisites: Pre-recital hearing. Offered: Fall, Spring.

MUS 496 • Full Senior Recital 0 Credit

A culminating performance experience required for the bachelor of music applied performance major. A one-hour recital of Level IV repertoire is presented.

Prerequisites: Pre-recital hearing. Offered: Fall, Spring.

Music Ensembles**MUE101A-MUE161A. Ensembles. 0-1 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 (MUP101A-MUP163A) or who have special permission from the conductor. Not all music ensembles require auditions. *Prerequisite: Participation in a major performance organization (MUP101A through MUP163A).*

MUE 101A • Chamber Choir 1 Credit

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.

Prerequisites: Participation in Bethel Choir or Lucia Chorom or Royal Register. Offered: Fall, Spring.

MUE 131A • Handbell Ensemble 1 Credit

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. One rehearsal each week.

Offered: Fall, Spring. Special Notes: Open by audition to students from all academic disciplines.

MUE 141A • Chamber Ensemble 1 Credit

An opportunity to develop self-expression through the discovery and performance of instrumental chamber music. Meets once a week for 1.5 hours of coaching and requires 1.5 hours of additional preparation.

Offered: Occasionally. Special Notes: Ensembles are arranged by individual audition and practicing is required.

MUE 151A • Jazz Orchestra 1 Credit

Explores the unique American art form of jazz, performing various styles from traditional big band to fusion. Concerts include the spring Jazz in the Great Hall. Two rehearsals each week.

Prerequisites: Approval of director of instrumental activities. Offered: Fall, Spring. Special Notes: Open by audition.

MUE 161A • Chamber Winds 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. One rehearsal each week.

Prerequisites: Participation in Wind Symphony or Approval of director of instrumental activities. Offered: Fall, Spring. Special Notes: Open by audition.

Music Lessons

MUL101A through MUL439. Private Lessons. 0-2 Credits.

Private lessons are offered in bassoon, cello, clarinet, double bass, English horn, euphonium, flute, guitar, harp, horn, oboe, percussion, piano, pipe organ, saxophone, trumpet, tuba, voice, viola, and violin. 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 and Performing Arts 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 take 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 regularly scheduled studio voice lab.

MUL 140A • Beginning Piano 1 Credit

A series of class lessons recommended for students with no 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.

Offered: Fall, Spring.

MUL 141A • Beginning Voice 1 Credit

A series of class lessons, lectures, and student performances providing the beginning vocalist a basic foundation in singing. Incorporates folk, musical theatre, and classic literature.

Offered: Fall, Spring.

MUL 142A • Beginning Guitar 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, strumming rhythms, notes on the first five frets, strumming rhythms, fingerpicking, and song leading.

Offered: Fall, Spring. Special Notes: Music education majors may use successful completion of this course to satisfy the guitar proficiency requirement.

MUL 143A • Introduction to Keyboard Theory 1 Credit

A series of class lessons for music majors and minors who have little or no background in keyboard theory skills.

Corequisites: Concurrent registration in MUS 101 and MUS 103 or Consent of instructor is required.

Offered: Fall. Special Notes: Students with more advanced keyboard skills may attempt to test out after registration. This course is graded on an S/U basis.

MUL 225 • Piano 4 Credits

A series of lessons designed to advance the student beyond the foundational piano techniques introduced in MUL 140A.

Offered: Occasionally.

MUL 242A • Intermediate Guitar 1 Credit

A series of lessons designed to advance the student beyond the foundational guitar techniques introduced in MUL 142A, including barred chords, chord alteration, advanced strumming and fingerpicking, performance techniques, guitar music theory, and arranging.
Offered: Spring.

MUL 300 • Applied Composition 1-2 Credits

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 when appropriate or required.

Prerequisites: MUS 202 or Consent of instructor. Offered: Fall, Spring. Special Notes: The private lesson fee applies to this course.

Music Performance Organizations**MUP101A through MUP163A. Performance Organizations. 0-1 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.

MUP 101A • Lucia Chorum 1 Credit

Lucia Chorum is open by audition to female students from all academic disciplines. The choir rehearses three times each week and performs on and off campus throughout the year.
Offered: Fall, Spring.

MUP 111A • Bethel Choir 1 Credit

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.
Offered: Fall, Spring.

MUP 121A • Royal Register 1 Credit

Male a cappella ensemble of auditioned voices. The group studies and performs vocal literature across genres and time periods with an emphasis on modern musical styles and vocal techniques such as contemporary music, reading sheet music, singing in tune, unifying an ensemble, and singing expressively.

Prerequisites: Audition and the ability to sing at least folk song melody. Offered: Fall, Spring.

MUP 150A • Bethel Philharmonic Orchestra 1 Credit

A fully symphonic orchestra open, by audition, to all members of the Bethel community, including students, faculty, staff, alumni and the larger community as openings allow. Rehearses one night a week and gives one concert a term.
Offered: Fall, Spring.

MUP 153A • Bethel Chamber Orchestra 1 Credit

A performance ensemble for music majors, minors, and other serious players. Performs repertoire from the Baroque to the Modern Era, tours annually, gives concerts, and participates in Festival of Christmas and Classics in the Great Hall. Plays in chapel and collaborates with the Opera Workshop and other musical theater events.
Offered: Fall, Spring.

MUP 163A • Wind Symphony 1 Credit

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.
Offered: Fall, Spring.

Theatre Courses**THA 100A • Beginning Acting for Stage and Screen** 4 Credits

The art of acting. Workshop experiences to develop personal creative talents through an exploration of performance techniques including movement, improvisation, and stage acting.
Offered: Fall or Spring.

THA 120A • Projects in Performance 1 Credit

A project in backstage/technical work (e.g., set/stage building, props, lights, etc.) or performance to be pursued in conjunction with a current performing arts production. Minimum of 30 hours.

Prerequisites: Consent of department. Offered: Fall, January, Spring. Special Notes: Maximum of 1 credit per area, per semester and 4 credits per four years.

THA 202A • Producing and Performing a Musical 4 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 casting in the show. Offered: January, even # years.

THA 220 • Projects in Performance 1 Credit

A project in backstage/technical work (e.g., set/ stage building, props, lights, etc.) or performance to be pursued in conjunction with a current performing arts production. Minimum of 30 hours.

Prerequisites: Consent of department. Offered: Fall, January, Spring. Special Notes: Maximum of 1 credit per area, per semester and 4 credits per four years.

THA 302 • Producing and Performing a Musical 4 Credits

Additional 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: THA 202A and Audition for and casting in the show. Offered: January, even # years.

THA 320 • Projects in Performance 1 Credit

A project in backstage/technical work (e.g., set/ stage building, props, lights, etc.) or performance to be pursued in conjunction with a current performing arts production. Minimum of 30 hours.

Prerequisites: Consent of department. Offered: Fall, January, Spring. Special Notes: Maximum of 1 credit per area, per semester and 4 credits per four years.

THA 420 • Projects in Performance 1 Credit

A project in backstage/technical work (e.g., set/ stage building, props, lights, etc.) or performance to be pursued in conjunction with a current performing arts production. Minimum of 30 hours.

Prerequisites: Consent of department. Offered: Fall, January, Spring. Special Notes: Maximum of 1 credit per area, per semester and 4 credits per four years.

B.A. in Music

Code	Title	Credits
Major in Music (B.A.)		
MUL 143A	Introduction to Keyboard Theory	1
MUS 101	Music Fundamentals	1
MUS 103	Introduction to Music Literature	2
MUS 104	Music Theory I	3
MUS 195	Music Hour	0
MUS 202	Music Theory II	3
MUS 203	Music Theory III	3
MUS 312	Music History and Literature I	3
MUS 313	Music History and Literature II	3
MUS 322	Instrumental Literature and Conducting	3
MUS 323	Instrumentation	2
MUS 324	Choral Literature and Conducting	3
MUS 495	Half Senior Recital	0
Performance Organizations		6
Private Lessons		6

Code	Title	Credits
Major		39
General Education *		48-56
Electives		27-35
Total Credits		122

Additional Requirements

- Must be in a performance organization for a minimum of four years.
- Must fulfill recital and concert attendance requirement.
- Must pass the piano proficiency.

Students may not declare a B.A. in Music and a Minor in Music.

* Courses whose number is followed by a letter fulfill a General Education requirement.

B.Mus. in Applied Performance

Code	Title	Credits
Major in Applied Music Performance (B.Mus.)		
MUL 143A	Introduction to Keyboard Theory	1
MUS 101	Music Fundamentals	1
MUS 103	Introduction to Music Literature	2
MUS 104	Music Theory I	3
MUS 195	Music Hour	0
MUS 202	Music Theory II	3
MUS 203	Music Theory III	3
MUS 301	Music Theory IV	3
MUS 312	Music History and Literature I	3
MUS 313	Music History and Literature II	3
MUS 322	Instrumental Literature and Conducting	3
MUS 323	Instrumentation	2
MUS 324	Choral Literature and Conducting	3
MUS 395	Junior Recital	0
MUS 496	Full Senior Recital	0
Performance Organizations		6
Private Lessons		4
Choose one emphasis from the Emphases tab		12-14

Code	Title	Credits
Major with chosen Emphasis		52-54
General Education *		48-56
Electives		14-20
Total Credits		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.
4. Must reach proficiency level 4 on performance instrument.

Students may not declare a B.Mus. in Applied Performance and a Minor in Music.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Composition Emphasis (12 credits)

Code	Title	Credits
Private Lessons in Composition:		6
MUL 300	Applied Composition	
Select three of the following four courses:		6
MUS 358	Brass Methods	
MUS 359	Percussion Methods	
MUS 360	String Methods	
MUS 362	Woodwind Methods	
Total Credits		12

Instrumental Performance Emphasis (12 credits)

Code	Title	Credits
Private Lessons		10
Select one of the following:		2
MUS 357	Piano Pedagogy	
MUS 358	Brass Methods	
MUS 359	Percussion Methods	
MUS 360	String Methods	
MUS 362	Woodwind Methods	
Total Credits		12

Vocal Performance (14 credits)

Code	Title	Credits
Private Lessons		6
MUS 326	Vocal Literature	3
MUS 363	Vocal Pedagogy	2
MUS 366	Italian and English Lyric Diction	1
MUS 367	French Lyric Diction	1
MUS 368	German Lyric Diction	1
Total Credits		14

B.Mus.Ed. in Music Education

Code	Title	Credits
Major in Music Education (B.Mus.Ed)		
MUL 143A	Introduction to Keyboard Theory	1
MUS 101	Music Fundamentals	1
MUS 103	Introduction to Music Literature	2

MUS 104	Music Theory I	3
MUS 195	Music Hour	0
MUS 202	Music Theory II	3
MUS 203	Music Theory III	3
MUS 305G	Music in World Cultures	4
MUS 312	Music History and Literature I	3
MUS 313	Music History and Literature II	3
MUS 322	Instrumental Literature and Conducting	3
MUS 323	Instrumentation	2
MUS 324	Choral Literature and Conducting	3
MUS 495	Half Senior Recital	0
EDU 200	Introduction to Education	3
EDU 201	Introduction to Education Field Experience	1
EDU 203	School Health and Drugs	2
EDU 220	Introduction to Middle Level Education	3
EDU 240	Educational Psychology	3
EDU 241	Educational Psychology Field Experience	1
EDU 317GZ	Educational Equity	4
EDU 320	Pedagogy and the Young Adolescent Learner	1
EDU 321	Integrated Literacy in the Content Areas	1
EDU 432	Methods in Teaching Elementary Music	3
EDU 433	Methods in Teaching Secondary Music	3
EDU 434	Middle Level Education Field Experience in Music	1
EDU 490	Student Teaching Block ¹	14
Performance Organizations ³		5-6
Private Lessons ³		5-6
Choose one emphasis from the Emphases tab ²		4-6
Code	Title	Credits
Major with chosen Emphasis		85-89
General Education *		44-52
Total Credits		133-137

¹ In order to meet requirements for endorsements and dual majors this number is subject to change. Students should consult with their advisor.

² Instrumental K-12 majors take 6 credits and vocal K-12 majors take 4 credits.

³ Instrumental K-12 majors take 5 credits of performance organizations and 5 credits of private lessons, resulting in 37 credits.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students must earn a grade of C or better in each content area and education course (MUS, EDU) in the major. Courses with a grade of C- or lower must be repeated. Students with K-12 licensure in Music Education may choose one or more Middle Level Endorsements. See endorsement area listing under Major in Elementary Education with Middle Level Endorsement in the Education section of this catalog.

Instrumental K-12 Emphasis (6 credits)

Code	Title	Credits
Choose three of the following courses for a total of 6 credits:		6
MUS 358	Brass Methods	
MUS 359	Percussion Methods	
MUS 360	String Methods	
MUS 362	Woodwind Methods	
Total Credits		6

Additional requirements:

1. Must be in Wind Symphony or University Orchestra for a minimum of four years.
2. Must complete proficiency level 3 on a band or orchestral instrument.
3. Must fulfill recital and concert attendance requirement.
4. Must pass the piano proficiency and guitar proficiency before student teaching.

Vocal K-12 Emphasis (4 credits)

Code	Title	Credits
MUS 363	Vocal Pedagogy	2
MUS 366	Italian and English Lyric Diction	1
MUS 367	French Lyric Diction	1
or MUS 368	German Lyric Diction	
Total Credits		4

Additional requirements:

1. Must be in a choral organization for a minimum of four years.
2. Must major in voice and complete proficiency level 3. (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 and guitar proficiency before student teaching.

Minor in Media and Performing Arts

Code	Title	Credits
Minor in Media and Performing Arts		
COM 170A	Introduction to Media Production	4
COM 264	Storytelling	2
THA 100A	Beginning Acting for Stage and Screen	4
Choose one of the following courses:		4
COM 342	Advanced Editing and Visual Effects	
COM 372	Advanced Audio Production	
COM 373	Digital Filmmaking	
Choose at least one of the following courses:		3-6
MUS 240	Producing and Performing an Opera	
THA 202A	Producing and Performing a Musical ¹	
Choose at least one of the following courses:		1-4
THA 120A	Projects in Performance ²	

THA 220	Projects in Performance ²	
THA 320	Projects in Performance ²	
THA 420	Projects in Performance ²	
Total Credits		18-24

¹ Audition for and casting in the show are prerequisites for this course.

² Consent of department is a prerequisite for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Minor in Music

Code	Title	Credits
Minor in Music		
MUL 143A	Introduction to Keyboard Theory	1
MUS 101	Music Fundamentals	1
MUS 103	Introduction to Music Literature	2
MUS 104	Music Theory I	3
MUS 202	Music Theory II	3
MUS 312	Music History and Literature I	3
MUS 313	Music History and Literature II	3
MUS 324	Choral Literature and Conducting	3
Performance Organizations ¹		2
Private Lessons		2
Total Credits		23

¹ Must be in a performance organization for a minimum of two years.

Course whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Music and a Minor in Music.

Students may not declare a B.Mus. in Applied Performance and a Minor in Music.

Additional Requirement:

1. Must fulfill recital and concert attendance requirement.

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 and Performing Arts (<https://www.bethel.edu/undergrad/academics/music-theatre/>) for specific courses.)

Music Business

(sales, marketing, commercial composition, recording industry, arts management)

Music Therapy

(use of music in therapy with individuals with disabilities and others who need human services)

Natural Sciences

The four 100-level 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.

NAS 101D • Science Concepts - Life Sciences 2 Credits

Fundamental concepts and processes of life science. Emphasis on the means by which scientific knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education.

Prerequisites: Major in elementary education or special education. Offered: Fall, Spring. Special Notes: This course is a half-term course. Students may not take this course and another NAS course the same half-term. Students must complete two different NAS science concepts courses to complete the Laboratory Science (D) course requirement for general education.

NAS 102D • Science Concepts - Earth/Space Science 2 Credits

Fundamental concepts and processes of earth/space science. Emphasis on the means by which scientific knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education.

Prerequisites: Major in elementary education or special education. Offered: Fall, Spring. Special Notes: This course is a half-term course. Students may not take this course and another NAS course the same half-term. Students must complete two different NAS science concepts courses to complete the Laboratory Science (D) course requirement for general education.

NAS 103D • Science Concepts - Chemistry 2 Credits

Fundamental concepts and processes of chemistry. Emphasis on the means by which scientific knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education.

Prerequisites: Major in elementary education or special education. Offered: Occasionally January, Spring. Special Notes: This course is a half-term course. Students may not take this course and another NAS course the same half-term. Students must complete two different NAS science concepts courses to complete the Laboratory Science (D) course requirement for general education.

NAS 104D • Science Concepts - Physics 2 Credits

Fundamental concepts and processes of physics. Emphasis on the means by which scientific knowledge is produced through inquiry-based activities, which are an important, active-learning component in elementary school education.

Prerequisites: Major in elementary education or special education. Offered: Fall, January. Special Notes: This course is a half-term course. Students may not take this course and another NAS course the same half-term. Students must complete two different NAS science concepts courses to complete the Laboratory Science (D) course requirement for general education.

B.S. in Neuroscience

The neuroscience major is multidisciplinary, combining expertise across a variety of fields. It adopts an integrative approach early in the curriculum to provide students with a conceptual framework for understanding the neuroscientific implications of the biology, psychology, chemistry, mathematics, computer science, and physics courses that are required. At the upper levels, it provides in-depth lab experiences, individual research opportunities, and senior capstone courses to tie it all together and to prepare graduates to succeed in a graduate program or to enter the field in some professional capacity.

Major in Neuroscience

- B.S. in Neuroscience (p. 246)

NSC 130 • Introduction to Neuroscience 3 Credits

An introduction to the biological basis of behavior. Focuses on two main themes: the cellular, molecular, and genetic processes that form the foundation of nervous system function and the systems-level organization of the nervous system that forms the foundation of human and animal behavior.

Corequisites: Concurrent registration in NSC 130D is required. Offered: Spring.

NSC 130D • Intro to Neuroscience Lab 1 Credit

Laboratory experience accompanying NSC 130. *Corequisites: Concurrent registration in NSC 130 is required. Offered: Spring.*

NSC 350 • Neuroscience Methods 3 Credits

Principles and practice of neuroscience laboratory techniques. Laboratory and lecture experience are integrated to include an introduction to histological, molecular, electrophysiological, and computer-based neuroscience research. Collection of qualitative and quantitative data and data analysis.

Prerequisites: BIO 120/BIO 120D or BIO 124/BIO 124D and NSC 130/NSC 130D; PSY 230M. Corequisites: Concurrent registration in NSC 351 is required. Offered: Spring, even # years.

NSC 351 • Neuroscience Methods Lab 1 Credit

Laboratory experience accompanying NSC 350. *Corequisites: Concurrent registration in NSC 350 is required. Offered: Spring, even # years.*

NSC 358 • Neurobiology 3 Credits

Nervous system of animals and humans from the subcellular to organismic and behavioral levels. Includes significant attention to the senses as well as mechanisms of neuronal communication, plasticity, and memory.

Prerequisites: BIO 218 or both PSY 101 and NSC 130/NSC 130D. Corequisites: Concurrent registration in NSC 359 is required. Offered: Fall. Special Notes: This course carries cross-credit in biology.

NSC 359 • Neurobiology Lab 1 Credit

Laboratory experience accompanying NSC 358. *Corequisites: Concurrent registration in NSC 358 is required. Offered: Fall. Special Notes: This course carries cross-credit in biology.*

NSC 481 • Internship in Neuroscience 1-4 Credits

A learning/practicing experience in which the student applies neurological understanding and skills in an off-campus professional setting.

Prerequisites: Major in neuroscience and Junior or senior standing. Offered: Fall, Spring.

NSC 493 • Literature Review in Neuroscience 2 Credits

Survey of contemporary and classical neuroscience literature. Journal club format in which topics of the students' choosing are researched, discussed, and methodologies assessed. Students evaluate a variety of neuroscience research through a written summary.

Prerequisites: Major in neuroscience and Junior standing. Offered: Spring.

NSC 496 • Neuroscience Research 1-4 Credits

Students collect original data through independent laboratory/field research under the supervision of a neuroscience faculty member. Data is analyzed and conclusions are drawn and reported.

Prerequisites: NSC 130/NSC 130D and Consent of instructor. Offered: Fall, Spring.

NSC 499 • Neuroscience Seminar 2 Credits

Readings and discussion of topics that relate neuroscience to Christian faith as well as moral, ethical, and societal issues. Topics may include psychopharmacological enhancement of attention, memory, and mood; brain implants and homo augmentus; free will, the soul, responsibility, and personhood; definition of mental health and illness.

Prerequisites: Major in neuroscience and Senior standing. Offered: Spring.

B.S. in Neuroscience

Code	Title	Credits
Major in Neuroscience (B.S.)		
Neuroscience Core		
NSC 130 & NSC 130D	Introduction to Neuroscience and Intro to Neuroscience Lab	4
NSC/BIO 358	Neurobiology	3
NSC/BIO 359	Neurobiology Lab	1
NSC 350 & NSC 351	Neuroscience Methods and Neuroscience Methods Lab	4
PSY 355	Research Principles and Laboratory	4
NSC 493	Literature Review in Neuroscience	2
NSC 499	Neuroscience Seminar	2
Choose an Applied Experience:		1-4
NSC 481	Internship in Neuroscience	
NSC 496	Neuroscience Research	
Fundamentals of Biology Courses		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
Choose two courses from Biology and Biochemistry, at least one of which must be 300-level or above:		8
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab ⁵	
BIO 238 & BIO 239	Human Anatomy and Physiology and Human Anatomy and Physiology Lab ⁸	
BIO 332 & BIO 333	Genetics and Genetics Lab ⁴	
BIO 338 & BIO 339	Endocrinology and Endocrinology Lab	
BIO 346 & BIO 347	Animal Behavior and Animal Behavior Lab	
BIO 354 & BIO 355	Cell Biology and Cell Biology Lab ²	
BIO 362 & BIO 363	Developmental Biology and Developmental Biology Lab	
BIO 376 & BIO 377	Animal Physiology and Animal Physiology Lab	
BIO 396 & BIO 397	Molecular Biology and Molecular Biology Lab ²	
CHE 304 & CHE 397	Essentials of Biochemistry and Biochemistry II Lab ³	
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab ⁶	

Choose one Computer Science course: 2-4

COS 101 Introduction to Procedural Programming

COS 111 Introduction to Programming

Fundamentals of Psychology Courses

PSY 101 Introduction to Psychology I 2

PSY 102 Introduction to Psychology 2 2

PSY 230M Introduction to Statistical Methods and Experimental Design 4

Choose one Psychology course: 4-5

PSY 323 Motivation and Emotion

PSY 348 & PSY 349 Conditioning and Learning and Conditioning and Learning Lab

PSY 350 Cognitive Psychology

PSY 440 & PSY 441 Sensation and Perception and Sensation and Perception Lab

Required courses from other departments

CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab 4

CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab 4

CHE 224 & CHE 225 Organic Chemistry I and Organic Chemistry I Lab 4

MAT 124M Calculus 1⁷ 4

PHY 202 & PHY 202D Introductory Physics I and Introductory Physics I Lab 4

PHY 206 & PHY 207 Introductory Physics II and Introductory Physics II Lab 4

Code	Title	Credits
Major		75-81
General Education *		40-48
Electives		0-1
Total Credits		122-123

¹ This course carries cross credit in psychological science.

² This is a designated research course.

³ Students requiring CHE 397 for their degree will require an override to take this course concurrently with CHE 304.

⁴ BIO 120/BIO 120D or BIO 218 is a prerequisite for this course.

⁵ BIO 214/BIO 215 is a prerequisite for this course.

⁶ CHE 226/CHE 227 is a prerequisite for this course.

⁷ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

⁸ BIO 104/BIO 104D, BIO 120/BIO 120D, BIO 122/BIO 122D, or BIO 218 is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Nursing

The pre-licensure Nursing, B.S.N. program (<https://www.bethel.edu/undergrad/academics/nursing/>) offers a four-year sequence leading to the Bachelor of Science in Nursing degree. Students are prepared to practice in entry-level professional nursing positions in all types of healthcare agencies. Graduates of the program are eligible to apply to take the NCLEX® licensure examination (for registered nurses). The mission of Bethel Nursing is to provide leadership in nursing education, scholarship, and practice that reflects a Christ-like presence as we prepare nurses at baccalaureate and graduate levels to serve, with excellence, a diverse and changing society.

Values

1. We value the perspectives of a Christian worldview that emphasize caring, service, integrity, the pursuit of excellence, and the inherent worth of all life.
2. We value the liberal arts context as the foundation for nursing education and practice.
3. We value education that is relational, active, evidence-based, and promotes critical thinking and lifelong learning.
4. We value nursing as a profession that fulfills multiple roles and requires a unique and expanding body of knowledge and skills for the purpose of promoting the health of diverse individuals, families, communities, and systems.
5. We value nursing leadership that influences the quality of healthcare for all, including vulnerable and underserved populations, within changing local and global healthcare systems.

Goals

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 pre-nursing sequence of courses or as transfer students.

The post-baccalaureate nursing program is open to students with a baccalaureate degree in another field interested in a career change to nursing. This program is offered through the College of Adult & Professional Studies. A Master of Science degree in Nurse-Midwifery is offered through the Graduate School.

The baccalaureate degree program in nursing at Bethel University is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>) and approved by the Minnesota Board of Nursing.

Admission Procedures

Students intending to complete a degree in nursing will be enrolled as pre-nursing students with the designation of PRN. Once students have met the minimum criteria for admission to nursing, submitted their application, and been formally admitted to the nursing program, they will become nursing majors with the designation NUR.

Regular Admission to the Nursing Program

The following are **minimum** threshold requirements to be considered for admission into the nursing program. If space is limited, not all qualified applicants may be admitted.

1. Be admitted to Bethel University.
2. Achieve a cumulative Bethel GPA of at least 2.75.
3. Achieve a cumulative GPA of at least 2.75 in the required prerequisite science courses.
4. Earn a C or better for all prerequisite science, health, and psychology courses.
5. Submit a recent ATI TEAS (<http://atiteasprep.com/about-the-teas/>) test score. Students are allowed to take the exam a maximum of two times, no sooner than two weeks apart.
 - a. Pre-nursing students must achieve a score of proficient or higher in order to be admitted to the Nursing program. Submit the results to Bethel University

St. Paul, MN from ATI. Students should test at a PSI site or remotely as soon as they graduate from high school, and no later than the summer before their sophomore year.

6. Demonstrate competency in oral and written communication.
7. Demonstrate a level of personal health consistent with safe nursing practice as determined in a physical examination.
8. Provide documentation of current immunizations as required by clinical agencies prior to beginning the nursing program.
9. 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.
10. Be recommended for admission into the nursing program by one person outside the nursing program.
11. Have completed the required prerequisite courses, including the general education courses: GES 160; Inquiry Writing Seminar, GES 130; Christianity and Western Culture (CWC) or GES 145; Humanities I: Greco-Roman through Middle Ages.
12. Applicants taking prerequisite science courses at Bethel will be more competitive.
13. Students can only reapply once for admission to the nursing program.
14. Provide documentation of successful completion of a Certified Nursing Assistant/ Nursing Assistant Registered Program prior to beginning the nursing program.
15. Students who submitted a Test of English as a Foreign Language (TOEFL) score as part of their application process to Bethel must have a TOEFL IBT overall score of 84 with a minimum speaking score of 26. (These scores were established by the Minnesota Board of Nursing as minimum eligibility criteria for taking the licensure examination for registered nurses.)

Application materials and procedures are available from the nursing department for students interested in the traditional baccalaureate nursing program.

Transfer and/or Advanced Standing

Transfer students applying for admission to the nursing program must meet the regular admission requirements in addition to the requirements below:

1. Transfer students must achieve a cumulative GPA of at least 2.85 for all college level courses prior to admission to Bethel
2. Transfer students must attend Bethel at least one semester (12 credits minimum) prior to starting the nursing program or receive program director permission to directly begin the program. Students may complete nursing and/or general education prerequisite courses during this semester.

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-licensure Nursing Program Student Handbook*.

The nursing department requires a score of 4 or better on the AP exams in order for the exams to be used to fulfill the science course prerequisites for the nursing program. However, the nursing department recommends students with a 4 or better take the science prerequisites, particularly BIO 120/BIO 120D and CHE 101/CHE 101D, at Bethel. Students with a score of 3 on AP science prerequisite courses will receive elective credit or receive credit toward General Education requirements.

Early/Direct Admission to the Nursing Program

Highly qualified students may apply for early admission to the Nursing Program. This means that after acceptance, but before enrolling at Bethel University, they may also be accepted into the Nursing Program. This option is available to a limited number of first year and transfer students entering Bethel as pre-nursing majors.

1. Freshman Early/Direct Admission

Admission is competitive, and not all qualified applicants are guaranteed admission. To be considered for early admission an applicant must:

- Be a current high school senior student
- Submit an ATI TEAS (<http://atiteasprep.com/about-the-teas/>) score of advanced or higher or an ACT score of 26 or higher
- Be accepted to Bethel by April 15
- Be declared Pre-Nursing

The Admissions and Progression Committee will invite qualified applicants to apply. To apply, the student must write an essay and submit one reference from a high school teacher or counselor.

If students submit an ACT score of 26 or higher, they will also need to submit a recent ATI TEAS test score to complete their application. It is recommended students take the TEAS test the summer prior to starting at Bethel.

2. Transfer Early/Direct Admission

Early/direct transfer students are accepted into the sophomore fall semester with a planned nursing program start the coming spring. Early transfer applicants must meet the regular admission requirements in addition to the requirements below:

1. Submit a TEAS exam score of advanced or higher or an ACT score of 26 or higher. [All students must submit a recent ATI TEAS test score.]
2. A cumulative GPA of 3.3 or higher.
3. Prerequisite science courses completed within the past 5 years with no courses retaken.

Early/Direct Admission and Early Admit Transfer application materials are available from the College of Arts and Sciences traditional baccalaureate nursing program.

Additional Requirements

Courses in the nursing program require students to spend substantial time in off-campus clinical sites, such as hospitals, clinics, and public health agencies. Students must furnish their own transportation to and from these clinical sites, some of which may not be conveniently reached by public transportation.

In addition, students should be aware that Minnesota state law requires that healthcare facilities complete background checks on all employees (and students); background checks include fingerprinting. 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 or be eligible to practice as a registered nurse. Any questions should be addressed to:

Minnesota Department of Human Services
Division of Licensing, Background Study Unit
444 Lafayette Road
Saint Paul, MN 55155-3842

or

The Minnesota Board of Nursing
1210 Northland Dr. #120
Mendota Heights, MN 55120

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 Finances section of this - catalog).

Program Performance Requirements

Nursing is a practice discipline, and the baccalaureate nursing education program 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 Accessibility Resources and Services.

Progression for Students

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. Select nursing courses require that the overall combined exam score is at least 75% in order to pass the course. This indicates satisfactory achievement of objectives and completion of course requirements. Details are provided in the syllabi for the select courses.
2. Maintain a major GPA of at least 2.75.
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 all NUR400 level courses in residence at Bethel University.
7. Inform program director of any changes in health status that would affect performance as a nursing student.

Appeals Process

Students have the right to appeal a final grade, clinical evaluation, or dismissal from the program. If a resolution cannot be reached with the faculty member most immediately involved, students may appeal to the Admissions and Progressions Committee, as described in the *Pre-licensure Nursing Program Student Handbook*.

Admissions decisions are final and may not be appealed. Applicants may request a review of an admission decision by the Dean of Nursing.

Students who are dismissed from the nursing program will be administratively withdrawn from nursing courses in which they are registered for the next term.

NUR 202 • Nursing Skills I: Health Assessment 2 Credits

Introduction to assessment of the physical, cultural, psychosocial, and spiritual parameters in individuals and family health within the context of the nursing process.

Prerequisites: Admission into the nursing program.
Corequisites: Concurrent registration in BIO 350 and NUR 302 is required. Offered: Spring.

NUR 302 • Pharmacology for Nurses 2 Credits

Exploration of the principles of pharmacology to promote health and manage illness from a patient-centered perspective for diverse populations across the lifespan. Emphasis on concepts of safe use and monitoring the effects of pharmacotherapeutic agents. Consideration of ethical, legal, and cultural implications of pharmacology.

Prerequisites: Admission to the nursing program.
Corequisites: Concurrent registration in BIO 350 and NUR 202. Offered: Spring.

NUR 311 • Nursing Skills II 2 Credits

Development of beginning nursing skills related to caring for clients of various health/illness states. Emphasis on the nursing process, medication administration, communication, and evidence-based skills linked with theoretical content in concurrent courses.

Prerequisites: BIO 350; NUR 202; NUR 302.
Corequisites: Concurrent registration in NUR 313 and NUR 315 is required. Offered: Fall.

NUR 312 • Nursing Skills III 1 Credit

Development of beginning nursing skills related to caring for clients of various health/illness states. Emphasis on intravenous medication administration and evidence-based skills linked with theoretical content in concurrent nursing courses.

Prerequisites: NUR 311; NUR 313; NUR 315.
Corequisites: Concurrent registration in NUR 314; NUR 318; NUR 322; NUR 324 is required. Offered: Spring.

NUR 313 • Nursing Care of Individuals I 4 Credits

Analysis of nursing care relating to individuals experiencing selected acute, chronic, and/or potential health issues. Evidence, including clinical knowledge is used as a framework for developing nursing diagnosis, interventions, and expected outcomes.

Prerequisites: BIO 350; NUR 202; NUR 302.
Corequisites: Concurrent registration in NUR 311 and NUR 315 is required. Offered: Fall.

NUR 314 • Nursing Care of Individuals II 4 Credits

Analysis of nursing care relating to individuals experiencing selected acute, chronic, and/or potential health issues. Evidence, including clinical knowledge is used as a framework for developing nursing diagnoses, interventions, and expected outcomes. This course is a continuation of NUR 313.

Prerequisites: NUR 311; NUR 313; NUR 315.

Corequisites: Concurrent registration in NUR 312; NUR 318; NUR 322; NUR 324 is required. Offered: Spring.

NUR 315 • Practicum I: Medical Surgical Nursing 2 Credits

A focus on the care of individuals in various health/illness states. Students implement the nursing process in various healthcare settings, fulfilling nursing roles with a focus on clinical judgment and evidence-based practice.

Prerequisites: BIO 350; NUR 202; NUR 302.

Corequisites: Concurrent registration in NUR 311 and NUR 313 is required. Offered: Fall.

NUR 318 • Chronicity: Mental Health Focus 2 Credits

Overview of chronic health issues throughout the lifespan in the context of families and communities with an emphasis on mental health issues.

Prerequisites: NUR 311; NUR 313; NUR 315.

Corequisites: Concurrent registration in NUR 312; NUR 314; NUR 322; NUR 324 is required. Offered: Spring.

NUR 322 • Practicum II: Medical Surgical Nursing II 3 Credits

A focus on the care of individuals in acute and chronic health/illness states. Students implement the nursing process in simulated and inpatient medical-surgical health care settings, fulfilling nursing roles with a focus on clinical judgment and evidence-based practice.

Prerequisites: NUR 311; NUR 313; NUR 315.

Corequisites: Concurrent registration in NUR 312; NUR 314; NUR 318; NUR 324 is required. Offered: Spring.

NUR 324 • Practicum III: Mental Health and Community Based Nursing 2 Credits

A focus on the care of individuals in acute and chronic health/illness states. Students implement the nursing process in mental health and community settings, fulfilling nursing roles with a focus on clinical judgment and evidence-based practice.

Prerequisites: NUR 311; NUR 313; NUR 315.

Corequisites: Concurrent registration in NUR 312; NUR 314; NUR 318; NUR 322 is required. Offered: Spring.

NUR 411 • Nursing Skills IV 1 Credit

Development of nursing skills used in specialty areas of nursing with a focus on children and families. Enhancement of nursing informatics skills in order to improve the quality and safety of healthcare delivery.

Prerequisites: NUR 312; NUR 314; NUR 318; NUR 322; NUR 324. *Corequisites:* Concurrent registration in NUR 413; NUR 417Z, NUR 419; NUR 425G is required. Offered: Fall.

NUR 412 • Nursing Skills V 1 Credit

Practice and demonstrate competency in complex clinical situations. Includes consideration of the scope of nursing practice in the integration of technology, skills, resource allocation, interdisciplinary collaboration, and delegation and supervision of nursing personnel.

Prerequisites: NUR 411; NUR 413; NUR 417Z; NUR 419; NUR 425G. *Corequisites:* Concurrent registration in NUR 416, NUR 426; NUR 496 is required. Offered: Spring.

NUR 413 • Practicum IV: Pediatric and Maternity Nursing 2 Credits

A focus on the nursing care of pediatric and maternity patients and families. Students use clinical judgment and evidence-based practice to provide holistic nursing care in simulated, pediatric, and maternity health care settings.

Prerequisites: NUR 312; NUR 314; NUR 318; NUR 322; NUR 324. *Corequisites:* Concurrent registration in NUR 411; NUR 417Z; NUR 419; NUR 425G is required. Offered: Fall.

NUR 416 • Practicum VI: Clinical Capstone 4 Credits

An emphasis on baccalaureate nursing role synthesis. Students use clinical judgment, data and technology, evidence-based findings, and principles of leadership to manage complex patient problems and improve client health outcomes.

Prerequisites: NUR 411; NUR 413; NUR 417Z; NUR 419; NUR 425G. *Corequisites:* Concurrent registration in NUR 412; NUR 426; NUR 496 is required. *Offered:* Spring.

NUR 417Z • Practicum V: Public Health Nursing 2 Credits

Provision of population-based nursing care with an emphasis on diverse and underserved populations. Application of public health competencies and theories in population-based settings. Focus on advocacy and collaborator roles within the context of service-learning.

Prerequisites: NUR 312; NUR 314; NUR 318; NUR 322; NUR 324. *Corequisites:* Concurrent registration in NUR 411; NUR 413; NUR 419; NUR 425G is required. *Offered:* Fall.

NUR 419 • Pediatric & Maternity Nursing 4 Credits

Nursing care of pediatric and maternity patients and families. Application of theoretical frameworks and practice considerations to holistic nursing care.

Prerequisites: NUR 312; NUR 314; NUR 318; NUR 322; NUR 324. *Corequisites:* Concurrent registration in NUR 411; NUR 413; NUR 417Z; NUR 425G is required. *Offered:* Fall.

NUR 425G • Population Focused Nursing Care 4 Credits

Exploration of population-focused nursing care with an emphasis on culturally diverse and underserved populations. Includes epidemiological consideration.

Prerequisites: NUR 312; NUR 314; NUR 318; NUR 322; NUR 324; [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course.* *Corequisites:* Concurrent registration in NUR 411; NUR 413; NUR 417Z; NUR 419 is required. *Offered:* Fall. *Special Notes:* This course includes 1 credit of service learning.

NUR 426 • Leadership Development 4 Credits

Application of the leadership role in preparation to enter the professional nursing workforce. Integration of clinical judgment skills and leadership, management, professional ethics, and Christian worldview frameworks.

Prerequisites: NUR 411; NUR 413; NUR 417Z; NUR 419; NUR 425G. *Corequisites:* Concurrent registration in NUR 412; NUR 416; NUR 496 is required. *Offered:* Spring.

NUR 431 • Conversations about End of Life 1 Credit

Development of advanced care planning facilitation skills in the context of faith, cultural, healthcare system, and societal perspectives. A First Steps ACP Facilitator Certificate is available for students who successfully complete ACP Facilitator requirements.

Prerequisites: Senior standing in nursing or social work or consent of instructor. *Offered:* Spring. *Special Notes:* This course carries cross-credit in social work.

NUR 481 • Internship in Nursing 1 Credit

Clinical-based learning opportunities meant to encourage application of theory and research-based knowledge in clinical practice. Engagement in experiences to enhance the development of the professional nursing role.

Prerequisites: Completed junior year of nursing program and acceptance into an approved clinical internship program. *Offered:* January, Summer. *Special Notes:* This course is graded on an S/U basis.

NUR 496 • Senior Nursing Synthesis 1 Credit

Transition from the student role to the professional nurse role. Synthesizes nursing clinical concepts essential for nursing graduates to provide safe, quality care to individuals, families, and groups in a variety of clinical settings. Promotion of clinical judgment development and utilization of NCLEX-RN resources to prepare for NCLEX-RN.

Prerequisites: NUR 411; NUR 413; NUR 417Z; NUR 419; NUR 425G. *Corequisites:* Concurrent registration in NUR 412; NUR 416; NUR 426 is required. *Offered:* Spring.

B.S.N. in Nursing

Code	Title	Credits
Major in Nursing (B.S.N.), Prerequisite courses ^{1,2,4}		
Science Prerequisite courses:		
BIO 120 & BIO 120D	Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	4
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab	4
BIO 234 & BIO 235	Microbiology and Microbiology Lab	4
CHE 101 & CHE 101D	Introduction to Chemistry and Introduction to Chemistry Lab	4
Health and Psychology prerequisite courses:		
AHS 170	Applied Nutrition	2
CHL 110	Introduction to Healthcare	2
PSY 101	Introduction to Psychology I	2
PSY 203	Lifespan Development	4
General Education prerequisite courses: ³		
GES 130	Christianity & Western Culture	4
GES 160	Inquiry Writing Seminar	4
Biblical Studies Requirement courses:		
BIB 101	Introduction to the Bible	4
THE 201	Christian Theology	4
Total Prerequisite Credits		46
Code	Title	Credits
Major in Nursing (B.S.N.)		
BIO 350	Clinical Pathophysiology	4
Choose one of the following Statistics courses:		4
AHS 250M	Statistics and Research Methods in Applied Health Sciences	
PSY 230M	Introduction to Statistical Methods and Experimental Design	
NUR 202	Nursing Skills I: Health Assessment	2
NUR 302	Pharmacology for Nurses	2
NUR 311	Nursing Skills II	2
NUR 312	Nursing Skills III	1
NUR 313	Nursing Care of Individuals I	4
NUR 314	Nursing Care of Individuals II	4
NUR 315	Practicum I: Medical Surgical Nursing	2
NUR 318	Chronicity: Mental Health Focus	2
NUR 322	Practicum II: Medical Surgical Nursing II	3
NUR 324	Practicum III: Mental Health and Community Based Nursing	2
NUR 411	Nursing Skills IV	1
NUR 412	Nursing Skills V	1

NUR 413	Practicum IV: Pediatric and Maternity Nursing	2
NUR 416	Practicum VI: Clinical Capstone	4
NUR 417Z	Practicum V: Public Health Nursing	2
NUR 419	Pediatric & Maternity Nursing	4
NUR 425G	Population Focused Nursing Care	4
NUR 426	Leadership Development	4
NUR 496	Senior Nursing Synthesis	1
Total Major Credits		55

Code	Title	Credits
General Education *		21
Total Credits		122

¹ Achieve a cumulative GPA of 2.75 in the science prerequisite courses, before being admitted to the nursing program.

² Earn a C or better for all prerequisite science, health, and psychology courses.

³ Humanities Students take GES 145, GES 147, and GES 149.

⁴ Achieve a cumulative Bethel GPA of at least 2.75.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Philosophy

The Philosophy programs (<https://www.bethel.edu/undergrad/academics/history-philosophy-political-science/>) are 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, and 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.

Major in Philosophy

- B.A. in Applied Philosophy (p. 258)

Minor in Philosophy

- Philosophy (p. 259)

PHI 110 • Introduction to Ethics 2 Credits

A philosophical analysis of relevant ethical issues in contemporary society, which may include: abortion, euthanasia, medical ethics, animal rights, sexual ethics, and distribution of resources. Traditional ethical theories will be used to evaluate different moral positions on issues. Emphasis on moral-decision making. *Offered: Fall, January, Spring.*

PHI 125M • Introduction to Logic 4 Credits

A study of standard forms of deductive and inductive logical reasoning, critical thinking, and informal fallacies. Rules for evaluating arguments and ways to distinguish good arguments from bad ones, with the goal of problem solving and making reasonable decisions about beliefs and actions. *Offered: Spring.*

PHI 210L • The Modern Mind 4 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. *Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Fall.*

PHI 220L • Philosophies of Race and Gender in America 4 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. *Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Fall.*

PHI 223L • Introduction to Gender Studies 4 Credits

Provides a philosophical grounding in the field of Gender Studies. Introduces a broad spectrum of theories and ideas about gender, and explores key debates within the field. Examines how theories of gender emerge as well as shape and influence individual lives and social contexts in America and beyond. *Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Spring.*

PHI 228L • Philosophies of Love and Sex 4

Credits

Examines different perspectives on the nature of love and sexuality. Defines and distinguishes features associated with different types of love and sexuality. Explores norms and critically examines their role in contemporary American society.

Prerequisites: GES 130 and GES 160 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: Fall.

PHI 230U • Medieval Islamic Philosophy 4 Credits

From A.D. 800-1200, Arabic civilization was the world's center of intellectual, cultural, and economic developments. A study of the philosophical and theological thought developed in the Arabic world during the medieval period, and its influence on later intellectual traditions, including the Western Christian tradition.

Prerequisites: GES 130 (may be taken concurrently) or GES 149 (may be taken concurrently). Offered: January, Spring.

PHI 305G • Philosophy of Religion 4 Credits

Study of issues central to religious belief.

Explores different approaches to the relation of faith and reason, the sources of religious knowledge, the nature of God, the problem of evil, religious diversity, and the afterlife.

Prerequisites: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Spring, even # years.

PHI 310 • Aesthetics 4 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 among aesthetic, moral, and religious values are explored.

Prerequisites: GES 125. Offered: Fall, even # years.

PHI 316 • Consciousness: Psychology and Philosophy in Dialogue 4 Credits

A team-taught investigation of ancient, medieval, and modern philosophies of consciousness and the historical roots of contemporary psychology. Shows how philosophical and psychological theories of consciousness transcend disciplinary boundaries. Focus on interaction between philosophy and psychology, emphasizing the origins of cognitive science in philosophy of mind and consciousness.

Prerequisites: PSY 101 or One philosophy course. Offered: Spring, odd # years. Special Notes: This course carries cross-credit in psychology.

PHI 320 • Advanced Topics in Ethics 4 Credits

An advanced study of principle ethical theories and their application to relevant problems concerning the individual and society. Readings in classical and contemporary sources focus on questions such as the nature of justice, the common good, and the moral responsibilities of citizens.

Prerequisites: Two philosophy courses or Consent of instructor. Offered: Spring. Special Notes: This course carries cross credit in political science.

PHI 335K • Environmental Ethics 4 Credits

Examines the intersection of science, society, and technology as it pertains to issues in environmental ethics. Moves from theory—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 and Mathematics (M) course. Offered: Fall, January. Special Notes: This course carries cross-credit in environmental studies.

PHI 345 • Modern Political Thought 4 Credits

In-depth examination of selected political thinkers such as Locke, Rousseau, Mill, Nietzsche, Kuyper, Rawls, and Taylor. Concentrates on primary sources.

Prerequisites: One course in political science, philosophy, or history and Sophomore standing. Offered: Fall, even # years. Special Notes: This course carries cross credit in history and political science.

PHI 346G • Theories of Human Nature 4 Credits

A comparative study of different theories of what it means to be human. A variety of theories from different historical, cultural, and religious perspectives is explored, giving special attention to the relationship between a theory and the norms and systems of the culture in which the theory emerges.

Prerequisites: [GES 130; GES 160 or GES 149]; *Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Fall, even # years.*

PHI 360 • Classical Political Thought 4 Credits

In-depth examination of selected political thinkers such as Plato, Aristotle, Cicero, Marcus Aurelius, Augustine, Thomas Aquinas, Machiavelli, and Hobbes. Concentrates on primary sources.

Prerequisites: One course in political science, philosophy, or history and Sophomore standing. *Offered: Fall, odd # year. Special Notes: This course carries cross-credit in political science and history.*

PHI 491 • Applied Humanities Seminar 4 Credits

An interdisciplinary, experiential capstone course in which students draw on their studies in history, philosophy, political science, or the digital humanities in order to study a major challenge in contemporary society, analyzing causes, effects, and existing responses, and then work to propose new responses to it.

Prerequisites: Senior standing and Major in one of the following programs: business and political science, history, international relations, applied philosophy, political science, or social studies education 5-12. *Offered: Fall, Spring. Special Notes: This course carries cross-credit in political science and history.*

B.A. in Applied Philosophy

Code	Title	Credits
Major in Applied Philosophy (B.A.)		
PHI 110	Introduction to Ethics	2
PHI 125M	Introduction to Logic	4
PHI 320	Advanced Topics in Ethics	4
PHI 491	Applied Humanities Seminar	4
Choose one from the following courses:		4
PHI 210L	The Modern Mind	
PHI 220L	Philosophies of Race and Gender in America	
PHI 223L	Introduction to Gender Studies	
PHI 228L	Philosophies of Love and Sex	
Choose one of the following courses:		4
PHI 305G	Philosophy of Religion	
PHI 346G	Theories of Human Nature	
Philosophy elective credits (4 credits must be 300-level or higher)		8
Credits from one discipline other than philosophy, chosen in consultation with an academic advisor		12
Code	Title	Credits
Major		42
General Education		36-44
Electives		36-44
Total Credits		122

Courses whose number is followed by a letter fulfill a General Education requirement.

Minor in Philosophy

Code	Title	Credits
Minor in Philosophy		
PHI 110	Introduction to Ethics	2
PHI 320	Advanced Topics in Ethics	4
Choose one of the following courses:		4
PHI 305G	Philosophy of Religion	
PHI 346G	Theories of Human Nature	
8 elective credits in philosophy		8
Total Credits		18

A philosophy minor can complement nearly any major at Bethel. For recommendations about electives that would pair well with a particular major, please contact a faculty member from the Philosophy department.

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Applied Philosophy and a Minor in Philosophy.

Physics

A major in physics provides a solid basis for almost any scientific, engineering, or technically oriented career. Students study the fundamental laws of nature and develop an understanding of how they can be applied towards solving our most challenging problems. Therefore, the Department of Physics and Engineering (<https://www.bethel.edu/undergrad/academics/physics/>) seeks to prepare students in a liberal arts setting for careers in physics, engineering, and related fields. Many students with a physics or applied physics major begin working in industry as engineers, but a major in physics or applied physics is also excellent preparation for graduate studies in physics or engineering and leads to careers in research and development, academia, or national and government labs. The department is also committed to making physics a significant component of the liberal arts experience for other Bethel students. A physics minor is available to students majoring in any other field.

Advanced Placement: The Physics and Engineering Department requires a score of 4 or better on an AP exam in order for the exam to be used to fulfill course requirements in the majors it offers. Students with a score of 3 will receive elective credit or credit toward General Education requirements. Students should consult the department chair with questions about AP exams and requirements for majors.

Majors in Physics

- B.A. in Physics (p. 263)
- B.S. in Applied Physics (p. 264)
- B.S. in Physics (p. 266)

Minor in Physics

- Physics (p. 267)

PHY 102 • Physics of Everyday Life 3 Credits
Explores how physics concepts can be used to understand everyday phenomena in the world around us. Topics include: mechanics, waves (including sound and light), thermodynamics, and atomic and nuclear physics. Lecture demonstrations and laboratories stress a clear understanding of observed phenomena.
Corequisites: Concurrent registration in PHY 102D is required. Offered: January.

PHY 102D • Physics of Everyday Life-Lab 1 Credit
Laboratory experience accompanying PHY 102.
Corequisites: Concurrent registration in PHY 102 is required. Offered: January.

PHY 112 • Introduction to Astronomy 3 Credits
The concepts, techniques, and tools of astronomy and astrophysics for nonscience students. 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.
Corequisites: Concurrent registration in PHY 112D is required. Offered: Fall.

PHY 112D • Introduction to Astronomy Lab 1 Credit
Laboratory experience accompanying PHY 112. Includes optics, atomic spectra, and observations with simple instruments and telescopes.
Corequisites: Concurrent registration in PHY 112 is required. Offered: Fall.

PHY 202 • Introductory Physics I 3 Credits
Mechanics, thermal properties of matter and mechanical waves.
Prerequisites: MAT 121M, MAT 124M, or solid understanding and competency in high school mathematics as demonstrated by at least one of the following: a Math ACT score of at least 23, 519 on the Math portion of the SAT, a Math Placement Test score of at least 2. *Corequisites:* Concurrent registration in PHY 202D is required. Offered: Fall.

PHY 202D • Introductory Physics I Lab 1 Credit
Laboratory experience accompanying PHY 202.
Corequisites: Concurrent registration in PHY 202 is required. Offered: Fall.

PHY 206 • Introductory Physics II 3 Credits
Electricity and magnetism, sound waves, optical phenomena, and modern physics.
Prerequisites: PHY 202/PHY 202D. *Corequisites:* Concurrent registration in PHY 207 is required. Offered: Spring.

PHY 207 • Introductory Physics II Lab 1 Credit
Laboratory experience accompanying PHY 206.
Corequisites: Concurrent registration in PHY 206 is required. Offered: Spring.

PHY 260 • Careers in Engineering and Physics Seminar 1 Credit

Developing careers in high-technology fields such as engineering and physics. Explores the wide variety of specific careers possible through video, lecture, tours, and guest speakers. Develops practical professional skills such as writing resumes and cover letters, accumulating connections and experience, and techniques for interviewing.

Prerequisites: PHY 296/PHY 297. *Offered:* Fall.

Special Notes: This course carries cross-credit in engineering.

PHY 292 • General Physics I 3 Credits

Kinematics, mechanics, oscillations, fluids, and conservation principles.

Prerequisites: MAT 124M. *Corequisites:* Concurrent registration in PHY 292D is required. *Offered:* Fall.

PHY 292D • General Physics I Lab 1 Credit

Laboratory experience accompanying PHY 292. *Corequisites:* Concurrent registration in PHY 292 is required. *Offered:* Fall.

PHY 296 • General Physics II 3 Credits

Electricity, magnetism, thermodynamics, sound waves, and optics.

Prerequisites: PHY 292/PHY 292D (with a grade of a C or higher); MAT 125. *Corequisites:* Concurrent registration in PHY 297 is required. *Offered:* Spring.

PHY 297 • General Physics II Lab 1 Credit

Laboratory experience accompanying PHY 296. *Corequisites:* Concurrent registration in PHY 296 is required. *Offered:* Spring.

PHY 302 • Electronics 3 Credits

Fundamentals of digital and analog electronics intended for scientists and engineers.

Prerequisites: PHY 296/PHY 297 with a C grade or higher and MAT 125 or Consent of instructor. *Corequisites:* Concurrent registration in PHY 303 is required. *Offered:* Fall.

PHY 303 • Electronics Lab 1 Credit

Laboratory experience accompanying PHY 302. 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.

Corequisites: Concurrent registration in PHY 302 is required. *Offered:* Fall.

PHY 312 • Modern Physics 3 Credits

Relativity, quantum theory, introductory wave mechanics, nuclear processes, elementary particles, and cosmology.

Prerequisites: PHY 296/PHY 297 with a C grade or higher and MAT 223. *Corequisites:* Concurrent registration in PHY 313 is required. *Offered:* Spring.

PHY 313 • Modern Physics Lab 1 Credit

Laboratory experience accompanying PHY 312. *Corequisites:* Concurrent registration in PHY 312 is required. *Offered:* Spring.

PHY 322 • Mathematical Methods in Physics and Engineering 2 Credits

Development of skill in mathematical techniques useful in the solution of physics and engineering problems. Included are Fourier analysis; complex numbers; partial differential equations and their solutions.

Prerequisites: [MAT 222 or MAT 224 (may be taken concurrently)] and MAT 223. *Offered:* Fall.

Special Notes: This course carries cross-credit with engineering. ENR 321 is a strongly encouraged prerequisite.

PHY 332 • Optics 3 Credits

Principles of geometrical and physical optics.

Prerequisites: PHY 312/PHY 313 and MAT 223. *Corequisites:* Concurrent registration in PHY 333 is required. *Offered:* Spring, even # years.

PHY 333 • Optics Lab 1 Credit

Laboratory experience accompanying PHY 332 emphasizing physical optics measurements, laser technology, and holography.

Corequisites: Concurrent registration in PHY 332 is required. *Offered:* Spring, even # years.

PHY 336 • Signals and Systems 4 Credits

Continuous and discrete-time signals and systems. Topics include: definitions and properties of signals and systems, convolution, solution of differential and difference equations. Laplace and Z transforms, and Fourier analysis. Emphasis on applications to signal processing, communication, and control systems.

Prerequisites: MAT 222 or MAT 224; PHY 302/PHY 303; ENR 352/PHY 352 ENR 353/PHY 353. *Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit with engineering.

Physics 262

PHY 340 • Mechanics 4 Credits

Particle and rigid body dynamics, conservative and nonconservative forces, central forces, accelerated coordinate systems, and Lagrange's equations of motion.

Prerequisites: PHY 296/PHY 297 with a C grade or higher; MAT 223. *Offered:* Fall. *Special Notes:* This course carries cross credit in engineering.

PHY 352 • Computer Methods in Physics and Engineering 3 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: COS 101 or COS 111 and MAT 223 or MAT 224 and PHY 296/PHY 297 with a C grade or higher or Consent of instructor. *Corequisites:* Concurrent registration in PHY 353 is required. *Offered:* Spring. *Special Notes:* This course carries cross-credit in engineering and PHY 302/PHY 303 is a recommended prerequisite.

PHY 353 • Computer Methods in Physics and Engineering Lab 1 Credit

Laboratory experience accompanying PHY 352.

Corequisites: Concurrent registration in PHY 352 is required. *Offered:* Spring. *Special Notes:* This course carries cross-credit in engineering.

PHY 365 • Physics Research Seminar 1 Credit

An introduction to research in physics and the development of scientific writing skills. Emphasis on preparing for departmental research experiences such as PHY 490 and external research experiences such as those found in industry, summer fellowship programs, and graduate schools.

Prerequisites: PHY 260; PHY 312/PHY 313; Junior standing; A major in the Physics and Engineering department. *Offered:* Spring.

PHY 400 • Electricity and Magnetism 4 Credits

Electrostatics and magnetostatics, electric and magnetic fields in free space and in materials, electromagnetic waves, and transmission lines.

Prerequisites: PHY 296/PHY 297 with a C grade or higher; MAT 222 or MAT 224; MAT 223. *Offered:* Fall, odd # years.

PHY 410 • Thermodynamics 4 Credits

Laws of thermodynamics, conditions for thermodynamic equilibrium, and fundamentals of statistical mechanics.

Prerequisites: PHY 296/PHY 297 with a C grade or higher and MAT 223. *Offered:* Spring, odd # years. *Special Notes:* PHY 312/PHY 313 is a strongly recommended prerequisite.

PHY 422 • Fluid Mechanics 3 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.

Prerequisites: MAT 223 and PHY 296/PHY 297 with a C grade or higher. *Corequisites:* Concurrent registration in PHY 423 is required. *Offered:* Fall. *Special Notes:* This course carries cross-credit in engineering.

PHY 423 • Fluid Mechanics Lab 1 Credit

Laboratory experience accompanying PHY 422.

Corequisites: Concurrent registration in PHY 422 is required. *Offered:* Fall. *Special Notes:* This course carries cross-credit in engineering.

PHY 424 • Electronic Materials and Devices 3 Credits

Theory and application of condensed matter and materials. Physical origin of electrical, optical, mechanical, thermal, and magnetic properties. Emphasis on devices such as pn junction diodes, LEDs, piezoelectrics, and sensors.

Prerequisites: PHY 302/PHY 303 or PHY 312/PHY 313. *Corequisites:* Concurrent registration in PHY 425 is required. *Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit in engineering.

PHY 425 • Electronic Materials and Devices Laboratory 1 Credit

Laboratory component of PHY 424. Explores characterization of materials and the design, fabrication, and testing of devices.

Corequisites: Concurrent registration in PHY 424 is required. *Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit in engineering.

PHY 432 • Laser Fundamentals 3 Credits

Properties and types of lasers; lasing dynamics; modern applications.

Prerequisites: PHY 312/PHY 313 and MAT 223. *Corequisites:* Concurrent registration in PHY 433 is required. *Offered:* Spring, odd # years.

PHY 433 • Laser Fundamentals Lab 1 Credit
Laboratory experience accompanying PHY 432.
Corequisites: Concurrent registration in PHY 432 is required. Offered: Spring, odd # years.

PHY 440 • Quantum Mechanics 4 Credits
The concepts and techniques of quantum mechanics.
Prerequisites: PHY 312/PHY 313; MAT 222 or MAT 224; MAT 223. Offered: Fall, even # years.

PHY 450 • Topics in Physics and Engineering 3-4 Credits
Topics selected from various fields of engineering and physics for the purpose of illustrating the practical application of physical principles. Emphasis on developing the skills and viewpoints commonly used by engineers and physicists. The field of engineering or physics is announced prior to registration.
Prerequisites: Consent of instructor. Offered: Occasionally. Special Notes: This course may be repeated when a different topic is emphasized. This course carries cross-credit in engineering.

PHY 481 • Internship in Physics 1-4 Credits
A practical experience in an off-campus professional setting in which skills and perspectives of a physicist are applied. Experience is designed by student in consultation with a faculty member.
Prerequisites: Major in applied physics or physics and Junior or senior standing. Offered: Fall, Spring, Summer.

PHY 490 • Research 3 Credits
An opportunity for individual student projects under the supervision of the faculty.
Prerequisites: Senior standing; PHY 365; Major in Physics and Engineering department. Offered: Fall, Spring.

B.A. in Physics

Code	Title	Credits
Major in Physics (B.A.)		
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 222 or MAT 224	Differential Equations Differential Equations with Linear Algebra	4
MAT 223	Multivariable Calculus	4
PHY 260	Careers in Engineering and Physics Seminar	1
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab	4
PHY 322	Mathematical Methods in Physics and Engineering	2
Electives from 300- or 400-level physics courses, at least 4 credits of which are not counted for another major		12
Code	Title	Credits
Major		47
General Education *		40-48
Electives		27-35
Total Credits		122

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Physics and a B.S. in Physics. Students may not declare a B.A. in Physics and a Minor in Physics.

B.S. in Applied Physics

Code	Title	Credits
Major in Applied Physics (B.S.)		
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
COS 111	Introduction to Programming	4
ENR 321	Statistical Methods in Engineering	2
MAT 125	Calculus 2 ¹	4
MAT 222 or MAT 224	Differential Equations Differential Equations with Linear Algebra	4
MAT 223	Multivariable Calculus	4
PHY 260	Careers in Engineering and Physics Seminar	1
PHY 292 & PHY 292D	General Physics I and General Physics I Lab ¹	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab	4
PHY 322	Mathematical Methods in Physics and Engineering	2
PHY 340	Mechanics	4
PHY 352 & PHY 353	Computer Methods in Physics and Engineering and Computer Methods in Physics and Engineering Lab	4
PHY 365	Physics Research Seminar	1
PHY 490	Research	3
Code	Title	Credits
Major		53
General Education *		44-52
Emphasis		16-24
Electives		0-9
Total Credits		122-129

¹ MAT 124M with a C- or higher is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.S. in Applied Physics and a Minor in Physics.

Biomedical Emphasis (24 credits)

Code	Title	Credits
BIO 120 & BIO 120D	Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	4
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab	4
PHY 422 & PHY 423	Fluid Mechanics and Fluid Mechanics Lab	4
Choose from one of the following Optics courses:		4
PHY 332 & PHY 333	Optics and Optics Lab	
PHY 432 & PHY 433	Laser Fundamentals and Laser Fundamentals Lab	
Choose one of the following courses on properties of materials:		4
PHY 400	Electricity and Magnetism	
PHY 424 & PHY 425	Electronic Materials and Devices and Electronic Materials and Devices Laboratory	
Total Credits		24

Computational Emphasis (18 credits)

Code	Title	Credits
COS 211	Data Structures	4
MAT 242	Introduction to Proofs ¹	2
MAT 248	Mathematics of Computer Science	4
Choose one of the following courses:		4
COS 235	Computer Systems	
COS 277	Software Development Fundamentals	
One computer science course 300 level or above		4
Total Credits		18

¹ MAT 124M with a C- or higher is a prerequisite for this course.

Electronics Emphasis (20 credits)

Code	Title	Credits
ENR 306 & ENR 307	Digital Logic and Design and Digital Logic and Design Lab	4
ENR 326	Circuit Analysis & Simulations	4
PHY 400	Electricity and Magnetism	4
PHY 424 & PHY 425	Electronic Materials and Devices and Electronic Materials and Devices Laboratory	4
Choose one of the following Optical Science courses:		4
PHY 332 & PHY 333	Optics and Optics Lab	

PHY 432 Laser Fundamentals
& PHY 433 and Laser Fundamentals Lab

Total Credits **20**

Mechanics Emphasis (16 credits)

Code	Title	Credits
ENR 304 & ENR 305	Engineering Materials and Manufacturing and Engineering Materials and Manufacturing Lab	4
ENR 308	Statics and Mechanics of Materials	4
PHY 410	Thermodynamics	4
PHY 422 & PHY 423	Fluid Mechanics and Fluid Mechanics Lab	4

Total Credits **16**

Optics Emphasis (16 credits)

Code	Title	Credits
PHY 332 & PHY 333	Optics and Optics Lab	4
PHY 400	Electricity and Magnetism	4
PHY 432 & PHY 433	Laser Fundamentals and Laser Fundamentals Lab	4
PHY 440	Quantum Mechanics	4

Total Credits **16**

B.S. in Physics

Code	Title	Credits
Major in Physics (B.S.)		
COS 101	Introduction to Procedural Programming	2
ENR 321	Statistical Methods in Engineering	2
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 222	Differential Equations	4
or MAT 224	Differential Equations with Linear Algebra	
MAT 223	Multivariable Calculus	4
PHY 260	Careers in Engineering and Physics Seminar	1
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab	4
PHY 322	Mathematical Methods in Physics and Engineering	2
Choose one of the following Optical Science courses:		4

PHY 332 & PHY 333	Optics and Optics Lab	
PHY 432 & PHY 433	Laser Fundamentals and Laser Fundamentals Lab	
PHY 340	Mechanics	4
PHY 352 & PHY 353	Computer Methods in Physics and Engineering and Computer Methods in Physics and Engineering Lab	4
PHY 365	Physics Research Seminar	1
PHY 400	Electricity and Magnetism	4
PHY 410	Thermodynamics	4
PHY 440	Quantum Mechanics	4
PHY 490	Research	3
Code	Title	Credits
Major		67
General Education *		40-48
Electives		7-15
Total Credits		122

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Physics and a B.S. in Physics. Students may not declare a B.S. in Physics and a Minor in Physics.

Minor in Physics

Code	Title	Credits
Minor in Physics		
PHY 292 & PHY 292D	General Physics I and General Physics I Lab ¹	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab ²	4
PHY 302 & PHY 303	Electronics and Electronics Lab ²	4
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab ³	4
Select two of the following courses:		8
PHY 112 & PHY 112D	Introduction to Astronomy and Introduction to Astronomy Lab	
PHY 332 & PHY 333	Optics and Optics Lab ³	
PHY 340	Mechanics ³	
PHY 400	Electricity and Magnetism ⁴	
PHY 410	Thermodynamics ³	
PHY 432 & PHY 433	Laser Fundamentals and Laser Fundamentals Lab ³	

¹ MAT 124M is a prerequisite for this course.

² MAT 125 or Consent of instructor is a prerequisite for this course.

³ MAT 223 is a prerequisite for this course.

⁴ MAT 222 or MAT 224 and MAT 223 is a prerequisite for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Physics and a Minor in Physics.

Students may not declare a B.S. in Applied Physics and a Minor in Physics.

Students may not declare a B.S. in Physics and a Minor in Physics.

Political Science

Political Science (<https://www.bethel.edu/undergrad/academics/political-science/>) is the study of power, justice, liberty, and order, whether locally, nationally, or internationally. How can we best organize our common life together? What systems allow us to flourish? Americans are still working out the answers to such questions, whether in terms of the president's latest foreign policy, a decision by the local board of education to close a neighborhood school, efforts to alleviate world hunger, or the deeper 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 Political Science programs offer three majors and one minor. The Political Science major equips students to answer the questions above. Business and Political Science adds the tools of economics and the business world. International Relations adds a multidisciplinary focus on the international system. Our Political Science minor complements other majors throughout the university.

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 ministry, and for responsible Christian citizenship in today's world.

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.
- Latin American Studies Program

- Semester in Segovia
- Other off-campus study opportunities (January session, fall or spring semester, or full year)
- Internships (e.g., Minnesota State Legislature, local government, political campaigns, or interest groups)

Majors in Political Science

- B.A. in Business and Political Science (p. 272)
- B.A. in International Relations (p. 273)
- B.A. in Political Science (p. 275)

Minors in Political Science

- Political Science (p. 276)
- Pre-Law (p. 276)

Endorsements in Political Science

- Classics (p. 167)
- Military and Diplomatic Studies (p. 169)

ANT 200 • Introduction to Anthropology 2 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.

Offered: Fall, odd # years.

POS 100 • American Politics and Government 4 Credits

Structure and workings of major parts of the United States national government, such as the Constitution, the presidency, Congress, the courts, the electoral process, and others. How these institutions help Americans deal with significant current issues.

Offered: Fall, Spring.

POS 202U • Introduction to International Relations 4 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.

Prerequisites: Second-semester freshman standing or higher; *GES 130* (may be taken concurrently) or *GES 149* (may be taken concurrently). Offered: Fall, Spring.

POS 205 • Introduction to Comparative Politics 4 Credits

An introduction to the subfield of Comparative Politics with special emphasis on the nature, history, and development of political regimes. Systems covered include Western democracies, communist and post-communist states, military dictatorships, and politically developing states.

Offered: Fall.

POS 211 • The Political Quest 4 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.

Prerequisites: One political science course. Offered: Spring.

POS 216L • American Constitutional History 4 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.

Prerequisites: *GES 130*; *GES 160* (may be taken concurrently) or *GES 149* (may be taken concurrently). Offered: Spring. *Special Notes:* This course carries cross-credit in history.

POS 221L • American Political Ideologies 4 Credits

Major modern American ideologies. Anarchism, conservatism, democratic liberalism, fascism, gender and ethnic, liberation theology, and socialism politics. Christian interfaces with various political theories.

Prerequisites: *GES 130*; *GES 160* (may be taken concurrently) or *GES 149* (may be taken concurrently). Offered: Spring.

POS 241L • Revolution and Political Development 4 Credits

Theory and process of modernization, with special emphasis on the Anglo-American historical experience; examinations of U.S. efforts to promote democracy internationally in Europe, Asia, and the Middle East since World War II.

Prerequisites: *GES 130*; *GES 160* (may be taken concurrently) or *GES 149* (may be taken concurrently). Offered: Occasionally January. *Special Notes:* This course carries cross-credit in history.

POS 250 • Political Science Practicum 1 Credit

In consultation with the political science faculty, students select an off-campus program of academic study. Students create a presentation to share their experiences in a colloquium with other international relations, political science, business, and political science majors. Integrates off-campus experiences with curricular learning experiences.

Prerequisites: One political science course; Consent of the political science faculty; Major in business and political science, international relations, or political science, or minor in political science. Offered: Fall, Spring. *Special Notes:* This course is graded on an S/U basis.

POS 252L • History and Politics of Sports 4 Credits

The history of sports in the modern era, with particular attention paid to sports' connections to international politics and public policy and to sports as a mirror for the history of race, gender, education, business, labor, and religion in the United States.

Prerequisites: *GES 130* and *GES 160* (may be taken concurrently) or *GES 149* (may be taken concurrently). Offered: Spring, even # years. *Special Notes:* This course carries cross-credit in history.

POS 305G • The Cold War 4 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.

Prerequisites: [*GES 130*; *GES 160* or *GES 149*]; *Contemporary Western Life and Thought* (L) course or *World Cultures* (U) course. Offered: Fall, even # years. *Special Notes:* This course carries cross-credit in history.

POS 306 • Public Administration 2 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.

Prerequisites: Sophomore standing. Offered: Spring. Special Notes: This course carries cross-credit in business. POS 100 is a recommended prerequisite.

POS 310 • American Foreign Relations 4 Credits

Development of United States foreign policy since the Nixon administration, with particular attention paid to contemporary issues, long-range historical trends, and the ways in which foreign policy is formulated and carried out.

Prerequisites: Sophomore standing with consent of instructor. Offered: Fall, even # years. Special Notes: POS 100 and POS 202U are recommended prerequisites.

POS 313G • Globalization and International Institutions 4 Credits

Examination of the processes, institutions, relationships, and dynamic trends in the international system. Attention is given to the creation or maintenance of international economic systems and international organizations as they address emerging or enduring problems of world politics. Key international institutions.

Prerequisites: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Spring, even # years. Special Notes: POS 202U is a recommended prerequisite.

POS 317 • Political Psychology 4 Credits

The causes, dynamics, and consequences of human thinking and action in the context of politics. The psychology of decision making, political attitude formation, public opinion, personality and emotions, intergroup relations, ideology, and the role of mass media in politics. *Offered: Fall, odd # years. Special Notes: This course carries cross-credit in psychology.*

POS 320 • Advanced Topics in Ethics 4 Credits

An advanced study of principle ethical theories and their application to relevant problems concerning the individual and society. Readings in classical and contemporary sources focus on questions such as the nature of justice, the common good, and the moral responsibilities of citizens.

Prerequisites: Two philosophy courses or Consent of instructor. Offered: Spring. Special Notes: This course carries cross credit in philosophy.

POS 321 • Contemporary Democracies 4 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 on other democratic systems.

Offered: Occasionally. Special Notes: POS 100 or POS 211 are recommended prerequisites.

POS 324G • Human Rights in International History 4 Credits

International and comparative exploration of how human rights have been defined, violated, and protected. Historical topics (e.g., abolition of the slave trade, social reform and Christian missions, genocides of the 20th century) as well as contemporary issues.

Prerequisites: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Occasionally. Special Notes: This course carries cross-credit in history.

POS 329 • African Politics 4 Credits

Consideration of political development in Africa from the pre-colonial era through the present, focusing on changes in political regimes through time, the nature of economic struggles, and sources of violent conflict.

Offered: Spring, even # years. Special Notes: This course carries cross-credit in history.

POS 340 • American Political Institutions 4 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.

Prerequisites: POS 100 or Consent of instructor. Offered: Spring, odd # years.

POS 342 • American Public Policy 4 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.

Prerequisites: POS 100 or Consent of instructor. Offered: Spring, even # years.

POS 345 • Modern Political Thought 4 Credits
 In-depth examination of selected political thinkers such as Locke, Rousseau, Mill, Nietzsche, Kuyper, Rawls, and Taylor. Concentrates on primary sources.
Prerequisites: One course in history, philosophy, or political science and Sophomore standing. Offered: Fall, even # years. Special Notes: This course carries cross credit in history and philosophy.

POS 356 • Modern Middle East 4 Credits
 Political, social, religious, economic, and cultural history of the Middle East since 1800. Particular attention is paid to colonialism, globalization, war, gender roles, revolution, and reform. Controversies such as the Arab/Israeli conflict, the Islamic Revolution in Iran, Saddam Hussein's Iraq, and the U.S. war on terror are discussed.
Prerequisites: Sophomore standing. Offered: Fall. Special Notes: This course carries cross-credit in history.

POS 360 • Classical Political Thought 4 Credits
 In-depth examination of selected political thinkers such as Plato, Aristotle, Cicero, Marcus Aurelius, Augustine, Thomas Aquinas, Machiavelli, and Hobbes. Concentrates on primary sources.
Prerequisites: One course in history, philosophy, or political science and Sophomore standing. Offered: Fall, odd # years. Special Notes: This course carries cross-credit in philosophy and history.

POS 410 • Topics in Political Science 4 Credits
 Intensive study of a specialized topic in political science. The topic to be studied is announced prior to the relevant registration period.
Prerequisites: Junior standing and Two courses in political science. Offered: Occasionally. Special Notes: Students may repeat course for credit provided a different topic is covered.

POS 481 • Internship in Political Science 1-4 Credits
 An off-campus working experience in a government agency or political organization under appropriate supervision. Placement is individually arranged with political science faculty.
Prerequisites: Consent of department faculty. Offered: Occasionally.

POS 491 • Applied Humanities Seminar 4 Credits
 An interdisciplinary, experiential capstone course in which students draw on their studies in history, philosophy, political science, or the digital humanities in order to study a major challenge in contemporary society, analyzing causes, effects, and existing responses, and then work to propose new responses to it.
Prerequisites: Senior standing and Major in one of the following programs: business and political science, history, international relations, applied philosophy, political science, or social studies education 5-12. Offered: Fall, Spring. Special Notes: This course carries cross-credit with history and philosophy.

SOC 101 • Introduction to Sociology 4 Credits
 Major concepts, theories, methodologies, findings, controversies, and history of sociology. Contributions of sociology to Christian life and thought.
Offered: Spring.

SOC 255 • Introduction to American Culture 2 Credits
 Exploration of various diversity issues within the United States, particularly as they impact personal experience, identity, relationships, and opportunity. Examination of personal values, assumptions, and perspectives as they relate to diversity and strategies for approaching diverse or conflicted settings with a biblical, peacemaking stance.
Offered: Occasionally.

B.A. in Business and Political Science

Code	Title	Credits
Major in Business and Political Science (B.A.)		
BUS 106	Introduction to Business Applications	1
BUS 201M	Business Math & Statistics	4
BUS 326	Business Information Systems	3
ECO 202	Principles of Microeconomics	2

ECO 203	Principles of Macroeconomics	2
POS 211	The Political Quest	4
POS 306	Public Administration	2
POS/HIS/PHI 491	Applied Humanities Seminar	4
Choose one of the following Field Survey in Political Science courses:		4
POS 100	American Politics and Government	
POS 202U	Introduction to International Relations	
POS 205	Introduction to Comparative Politics	
POS 221L	American Political Ideologies	
Choose 16 credits from the following Business and Economics courses:		16
BUS 210	Financial Accounting	
BUS 211	Managerial Accounting ¹	
BUS 220	Principles of Marketing	
BUS 230	Managing Organizations and People	
BUS 344	Managerial Finance ¹	
BUS 361	Business Law ²	
ECO 301	Managerial Economics	
ECO 302	Intermediate Macroeconomics	
Choose any three courses in Political Science at 300 level or above not required above		12

Code	Title	Credits
Major		54
General Education *		44-52
Electives		16-24
Total Credits		122

¹ BUS 210 is a prerequisite for this course.

² BUS 230 is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Business and Political Science and a Minor in Business.

Students may not declare a B.A. in Business and Political Science and a B.A. in Business

Students may not declare a B.A. in Business and Political Science and a B.A. in Political Science.

Students may not declare a B.A. in Business and Political Science and a Minor in Political Science.

B.A. in International Relations

Code	Title	Credits
Major in International Relations (B.A.)		
ECO 202	Principles of Microeconomics	2
ECO 203	Principles of Macroeconomics	2
GEO 120	Introduction to Geography	4
POS 202U	Introduction to International Relations	4
POS 205	Introduction to Comparative Politics	4
POS 211	The Political Quest	4
POS 250	Political Science Practicum ²	1
POS/HIS/PHI 491	Applied Humanities Seminar	4
Choose from the following Business and Economics courses:		4

B.A. in International Relations 274

BUS 318G	Global Marketing ¹	
ECO 301	Managerial Economics	
ECO 302	Intermediate Macroeconomics	
Choose from the following International Relations elective courses:		20
HIS 205U	History of China, Japan, and Korea	
HIS 212U	History of Islam	
HIS 230L	World War I	
HIS 231L	World War II	
HIS/POS 241L	Revolution and Political Development	
HIS/POS 305G	The Cold War	
HIS 320K	History and the Human Environment	
HIS/POS 324G	Human Rights in International History	
HIS 328G	Muslim Women in History	
HIS/POS 329	African Politics	
HIS 354	Modern Europe	
HIS/POS 356	Modern Middle East	
PHI 210L	The Modern Mind	
POS 310	American Foreign Relations	
POS 313G	Globalization and International Institutions	
POS 317	Political Psychology	
POS 321	Contemporary Democracies	
PSY 215	Social Psychology ³	
PSY 308G	Cross-Cultural Psychology	
REL 202	Introduction to Religious Studies	
THE 263	Christian Social Ethics	
THE 326G	Christian Theology in Africa, Asia, and Latin America	

Any world language course at the 200 level or above

Code	Title	Credits
Major		49
General Education *		44-52
Electives		21-29
Total Credits		122

¹ BUS 220 is a prerequisite for this course.

² Students must receive departmental approval for at least 3 credits of study in an off-campus program that contributes to their educational goals. Departmental approval will also enroll a student in a 1 credit post-experience seminar where they will present on their off-campus work.

³ PSY 101 is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Political Science and B.A. in International Relations.

B.A. in Political Science

Code	Title	Credits
Major in Political Science (B.A.)		
POS 211	The Political Quest	4
POS/HIS/PHI 491	Applied Humanities Seminar	4
Choose one of the following American Politics courses:		4
POS 100	American Politics and Government	
POS 216L	American Constitutional History	
POS 340	American Political Institutions ²	
POS 342	American Public Policy ²	
Choose one of the following International Relations courses:		4
POS 202U	Introduction to International Relations	
POS 305G	The Cold War	
POS 310	American Foreign Relations	
POS 313G	Globalization and International Institutions	
Choose one of the following Comparative Politics courses:		4
POS 205	Introduction to Comparative Politics	
POS 321	Contemporary Democracies	
POS 329	African Politics	
POS 356	Modern Middle East	
Choose one of the following Political Philosophy courses:		4
POS 221L	American Political Ideologies	
POS 320	Advanced Topics in Ethics ¹	
POS 345	Modern Political Thought	
POS 360	Classical Political Thought	
Any political science courses that do not count toward one of the other requirements above:		10
Code	Title	Credits
Major		34
General Education *		48-56
Electives		32-40
Total Credits		122

¹ Two philosophy courses or Consent of Instructor is a prerequisite for this course.

² POS 100 or Consent of Instructor is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Business and Political Science and a B.A. in Political Science. Students may not declare a B.A. in Political Science and a Minor in Political Science. Students may not declare a B.A. in Political Science and a B.A. International Relations.

Minor in Political Science

Code	Title	Credits
Minor in Political Science		
POS 211	The Political Quest	4
Electives from political science courses, of which at least 8 credits must be 300 level or above		16
Total Credits		20

Students may not declare a B.A. in Business and Political Science and a Minor in Political Science.
 Students may not declare a B.A. in Political Science and a Minor in Political Science.
 Students may not declare a B.A. in International Relations and a Minor in Political Science.

Minor in Pre-Law

Code	Title	Credits
Minor in Pre-Law		
HIS/POS 216L	American Constitutional History	4
Choose from the following:		14-16
ECO 202 & ECO 203	Principles of Microeconomics and Principles of Macroeconomics	
ECO 301 or ECO 302	Managerial Economics ¹ Intermediate Macroeconomics	
HIS 333	Crime and Punishment in the United States	
PHI 125M	Introduction to Logic	
PHI 320	Advanced Topics in Ethics ³	
PHI/POS 345 or HIS/PHI/POS 360	Modern Political Thought Classical Political Thought	
POS 100	American Politics and Government	
POS 340	American Political Institutions ²	
Total Credits		18-20

¹ ECO 202 and ECO 203 are prerequisites for these courses.

² POS 100 or Consent of instructor is a prerequisite for this course.

³ Two courses in philosophy or Consent of instructor is a prerequisite for this course.

Courses whose number is followed by a letter fulfill a General Education requirement.

Psychological Sciences

Psychology can be defined as the scientific study of behavior and mental processes. The courses in the Department of Psychological Sciences (<https://www.bethel.edu/undergrad/academics/psychology/>) are designed to help students learn:

- psychological theory and the findings of psychological research;
- the terminology and principles of cognition, emotion, and behavior;
- the techniques of psychological investigation with an emphasis on empirical research;
- how diverse perspectives enrich our understanding of the human condition
- ways in which psychological principles apply to practical situations and clinical work;
- how to relate the findings of psychology to Christian faith.

Courses interface with other Bethel majors, including business, nursing, biokinetics, philosophy, and many others. The Department of Psychological Sciences also works with the Biological Sciences Department (<https://www.bethel.edu/undergrad/academics/biology/>) in co-leading the neuroscience major.

The required senior capstone provides an opportunity for students to gain hands-on experience in the work world with an internship of up to 60 hours and possible independent research supervised by a faculty member. The seminar portion of the capstone provides more intensive time to interact with faith/psychology integration issues, refine career goals and graduate study plans, and offers opportunities to integrate classroom learning with experience in a wide variety of fields such as neuroscience, counseling, business, health-related fields, and others.

A January study-abroad course offers students an opportunity to travel with professors to Europe to study the history of psychology.

A Master of Arts in Counseling (<https://www.bethel.edu/graduate/academics/counseling/>) is offered through the graduate school. Additional courses in trauma studies as well as an Addiction Studies certificate (<https://www.bethel.edu/adult-undergrad/academics/certificates/addiction-studies/>)

can be obtained through dual enrollment with the College of Adult and Professional Studies (<https://catalog.bethel.edu/adult-professional-studies/>). A Masters of Arts in Marriage and Family Therapy (<https://www.bethel.edu/seminary/academics/marriage-family-therapy/>) is offered in the Seminary.

Majors in Psychological Sciences

- B.A. in Psychological Sciences (p. 280)
- B.S. in Neuroscience (p. 245)

Minor in Psychological Sciences

- Psychological Sciences (p. 282)

PSY 101 • Introduction to Psychology I 2 Credits
Survey of topics from psychological science such as brain and behavior, human development, psychopathology, social psychology, and others.
Offered: Fall, Spring, Summer.

PSY 102 • Introduction to Psychology 2 2 Credits
Survey of topics from psychological science such as consciousness, sensation perception, conditioning and learning, personality, etc.
Offered: Fall, Spring, Summer.

PSY 203 • Lifespan Development 4 Credits
Interactive discussion and learning of physical, cognitive, emotional, social, moral, and spiritual development from conception to death. Includes a consistent focus on individual differences.
Prerequisites: PSY 101. Offered: Fall, Spring, Summer.

PSY 206 • Child and Adolescent Development 2 Credits
Focused exploration of contemporary issues in child and adolescent development.
Prerequisites: PSY 101. Offered: Occasionally.

PSY 215 • Social Psychology 4 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.
Prerequisites: PSY 101. Offered: Fall, Spring.

PSY 230M • Introduction to Statistical Methods and Experimental Design 4 Credits

Descriptive, correlational, and inferential statistics, plus experimental design. Statistical techniques are taught using a project-based learning approach.

Offered: Fall, January, Spring, Summer. Special Notes: Students may not receive credit for both PSY 230M and BUS 201M, MAT 207M, or AHS 250M.

PSY 300 • Psychopathology 4 Credits

Classification, causes, symptoms, and treatment of various forms of psychopathology. Analysis of medical model of psychopathology in relation to major issues in the field of mental health and to the Christian tradition. Surveys empirical approaches to the study of psychopathology.

Prerequisites: PSY 101; Junior standing. Offered: Fall, Spring.

PSY 302 • Sports Psychology 2 Credits

An overview of the principles of psychology related to sport, exercise, and recreational activity for enhanced interactions/performance. Reviews how motivation, goal setting, leadership, and group dynamics interact with sport and recreational activities.

Prerequisites: PSY 101. Offered: Occasionally.

PSY 303 • Industrial/Organizational Psychology 2 Credits

Examines psychological principles in relation to human behavior in the workplace. Explores topics ranging from selecting employees to improving work-life satisfaction and reducing work-stress.

Prerequisites: PSY 101. Offered: Occasionally.

PSY 305 • Personality 2 Credits

Examination of traditional and contemporary theories of personality. Explores some non-western and Christian perspectives of the description and development of personality and personhood. Reviews the validity of various measures of personality.

Prerequisites: PSY 101. Offered: Occasionally spring.

PSY 308G • Cross-Cultural Psychology 4 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: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Occasionally.

PSY 310 • Addiction and Recovery 4 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.

Prerequisites: PSY 101. Offered: January. Special Notes: This course carries cross-credit with ADST 450.

PSY 316 • Consciousness: Psychology and Philosophy in Dialogue 4 Credits

A team-taught investigation of ancient, medieval, and modern philosophies of consciousness and the historical roots of contemporary psychology. How philosophical and psychological theories of consciousness transcend disciplinary boundaries. Focus on interaction between philosophy and psychology, emphasizing the origins of cognitive science in philosophy of mind and consciousness.

Prerequisites: PSY 101 or One philosophy course. Offered: Spring, odd # years. Special Notes: This course carries cross-credit in philosophy.

PSY 317 • Political Psychology 4 Credits

The causes, dynamics, and consequences of human thinking and action in the context of politics. The psychology of decision making, political attitude formation, public opinion, personality and emotions, intergroup relations, ideology, and the role of mass media in politics.

Offered: Fall, odd # years. Special Notes: This course carries cross-credit in political science.

PSY 320Z • European Pioneers in Psychology 4 Credits

A study-abroad experience exploring both prominent European and diverse figures in the history of psychology within the context of the major historical currents and schools. Explores cultural, philosophical, intellectual, and spiritual roots of psychological theory, especially in connection with host countries. Site and museum visits and encounters with local professional and academic psychologists.

Prerequisites: PSY 101; Junior or senior standing; Consent of instructors; Timely completion of application process. Offered: Occasionally January.

PSY 323 • Motivation and Emotion 4 Credits

How biological, environmental, cognitive, emotional, and personal systems interact to initiate and direct human behavior. How experimental psychologists study emotional and motivational systems.

Prerequisites: PSY 101. *Offered:* Fall.

PSY 330 • Disabilities and Giftedness 4 Credits

Focus on the development of individuals with disabilities and giftedness from a lifespan perspective. Cognitive, physical, emotional, and sociocultural variables relevant to developmental delay; giftedness; learning disabilities; physical, sensory, and communication disabilities; emotional disturbance; and multiple disabilities. Critical analysis of psychosocial educational interventions. Service learning with those with disabilities.

Prerequisites: EDU 240/EDU 241, PSY 203 or PSY 206; Junior standing. *Offered:* Fall, Summer.

PSY 334 • The Science of Happiness 2 Credits

Empirical exploration of what makes people happy with a direct application to modern lives.

Prerequisites: PSY 101. *Offered:* Fall.

PSY 335 • Psychological Assessment 4 Credits

Methods of assessing human behavior and the nature and significance of individual differences. Includes basic psychometric theory; principles of test construction; and theory and utilization of current standardized tests of intelligence, achievement, and personality.

Prerequisites: PSY 101 and PSY 230M. *Offered:* Spring.

PSY 336 • Journal Club 1 Credit

Survey of contemporary and classical psychological literature. Journal club format in which topics of the students' choosing are researched, discussed, and methodologies assessed.

Prerequisites: PSY 101 and Major in psychological sciences. *Offered:* Occasionally.

PSY 340 • Physiological Psychology 4 Credits

Physiological and neuroanatomical mechanisms underlying behavior.

Prerequisites: PSY 101 and Mathematics (M) course. *Corequisites:* Concurrent registration in PSY 341 is required. *Offered:* Fall, Spring.

PSY 341 • Physiological Psychology Lab 1 Credit

Laboratory experience accompanying PSY 340. *Corequisites:* Concurrent registration in PSY 340 is required. *Offered:* Fall, Spring.

PSY 346 • Animal Behavior 3 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.

Prerequisites: PSY 101 or BIO 218 (may be taken concurrently); Junior or senior standing. *Corequisites:* Concurrent registration in PSY 347 is required. *Offered:* Fall, even # years. *Special Notes:* This course carries cross-credit in biology.

PSY 347 • Animal Behavior Lab 1 Credit

Laboratory course accompanying PSY 346.

Corequisites: Concurrent registration in PSY 346 is required. *Offered:* Fall. *Special Notes:* This course carries cross-credit in biology.

PSY 348 • Conditioning and Learning 4 Credits

Basic procedures of classical and operant conditioning, theories of learning, and applications of behavioral conditioning principles to selected problems in human learning. Includes laboratory experiences that involve working with animals.

Prerequisites: PSY 101 and Mathematics (M) course. *Corequisites:* Concurrent registration in PSY 349 is required. *Offered:* Fall.

PSY 349 • Conditioning and Learning Lab 1 Credit

Laboratory experience accompanying PSY 348.

Corequisites: Concurrent registration in PSY 348 is required. *Offered:* Fall.

PSY 350 • Cognitive Psychology 4 Credits

Psychological theory and research concerning thinking, memory, reasoning, language, and problem solving.

Prerequisites: PSY 101 and PSY 230M. *Offered:* January, Summer.

PSY 355 • Research Principles and Laboratory 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, external, statistical, and construct validity.

Prerequisites: PSY 101 and PSY 230M. *Offered:* Fall, Spring.

PSY 399 • Topics in Psychology 2 Credits
 Contemporary concerns in psychology not covered in the current formal course offerings of the department. Student may take this course twice given the varying topics covered.
Prerequisites: PSY 101. Offered: Occasionally.

PSY 400 • Principles of Counseling and Psychotherapy 2 Credits
 Introduction and analysis of major therapy systems, basic counseling techniques, and current ethical issues facing the counseling professions. Explores Christian implications of the topics. Designed for students planning on graduate study in human services.
Prerequisites: PSY 101; PSY 300. Offered: Fall.

PSY 440 • Sensation and Perception 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: PSY 101 and Mathematics M-tag course. Corequisites: Concurrent registration in PSY 441 is required. Offered: Spring.

PSY 441 • Sensation and Perception Lab 1 Credit
 Laboratory experience accompanying PSY 440.
Corequisites: Concurrent registration in PSY 440 is required. Offered: Spring.

PSY 493 • Psychology Internship and Seminar 2 Credits
 A professionally supervised, applied learning experience in the work world. Includes a seminar component in which students meet regularly with the psychology faculty. Facilitates students' processing of their internship experiences and offers a forum to discuss internship-related issues and career exploration.
Prerequisites: Major in psychology; Senior standing; Minimum 2.25 GPA in psychology courses. Offered: Fall, Summer.

PSY 498 • Research 2-4 Credits
 Students 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.
Prerequisites: PSY 230M; Major in psychology; Invitation of supervising faculty member. Offered: Fall, Spring. Special Notes: This course is graded on an S/U basis.

PSY 499 • Senior Seminar 2 Credits
 Explores a specific area of research in psychology and the interface of psychology, Christianity, and other disciplines. Includes an integration writing project and assignments related to vocation and career.
Prerequisites: Major in psychology and Senior standing. Offered: Fall, Spring.

B.A. in Psychological Sciences

Code	Title	Credits
Major in Psychological Sciences (B.A.)		
PSY 101	Introduction to Psychology I	2
PSY 102	Introduction to Psychology 2	2
PSY 203	Lifespan Development	4
PSY 215	Social Psychology	4
PSY 230M	Introduction to Statistical Methods and Experimental Design	4
PSY 300	Psychopathology	4
PSY 340 & PSY 341	Physiological Psychology and Physiological Psychology Lab	5
PSY 355	Research Principles and Laboratory	4
Choose one of the following Lab courses:		4-5
PSY 346 & PSY 347	Animal Behavior and Animal Behavior Lab	
PSY 348 & PSY 349	Conditioning and Learning and Conditioning and Learning Lab	

PSY 440 & PSY 441	Sensation and Perception and Sensation and Perception Lab	
Choose 9 credits from the following electives:		9
PSY 206	Child and Adolescent Development	
PSY 302	Sports Psychology	
PSY 303	Industrial/Organizational Psychology	
PSY 305	Personality	
PSY 308G	Cross-Cultural Psychology	
PSY 310	Addiction and Recovery	
PSY 320Z	European Pioneers in Psychology	
PSY 323	Motivation and Emotion	
PSY 330	Disabilities and Giftedness	
PSY 334	The Science of Happiness	
PSY 335	Psychological Assessment	
PSY 336	Journal Club	
PSY 350	Cognitive Psychology	
PSY 399	Topics in Psychology	
PSY 400	Principles of Counseling and Psychotherapy	
Choose one of the following course options:		4-6
PSY 493 & PSY 499	Psychology Internship and Seminar and Senior Seminar	
Or		
PSY 498 & PSY 499	Research and Senior Seminar ¹	
Code	Title	Credits
Major		46-49
General Education *		44-52
Electives		24-29
Total Credits		122

¹ Invitation of supervising faculty member is a prerequisite for PSY 498.

* Courses whose number is followed by a letter fulfill a General Education requirement.
Students may not declare a B.A. in Psychological Sciences and a Minor in Psychological Sciences.

Minor in Psychological Sciences

Code	Title	Credits
Minor in Psychological Sciences		
PSY 101	Introduction to Psychology I	2
PSY 102	Introduction to Psychology 2	2
PSY 203	Lifespan Development	4
Choose 4 credits from the following:		4
PSY 323	Motivation and Emotion	
PSY 330	Disabilities and Giftedness	
PSY 335	Psychological Assessment ¹	
PSY 350	Cognitive Psychology ¹	
Choose at least 6 credits from any other psychology course offered, including those not taken from above:		6-8
Total Credits		18-20

¹ PSY 230M is a prerequisite for this course.
Students may not declare a B.A. in Psychological Sciences and a Minor in Psychological Sciences.

Public and Community Health

Students in the Public and Community Health Program (<https://www.bethel.edu/undergrad/academics/community-health/>) develop the ability to understand, analyze, problem-solve, and communicate effectively in a complex, rapidly changing world. Students learn how to promote health and wellness through improved health literacy, attitudes, skills, and behaviors. As a result of their preparation, they are able to positively influence health behaviors and disease prevention in order to improve the health status of individuals, families, communities, states, and the nation. The interdisciplinary liberal arts perspective on this community health curriculum prepares students to act as informed and engaged community members and leaders. Courses emphasize prevention and management of injury and disease, emotional health and overall wellbeing, health promotion skill-building, epidemiology, nutrition education, and theories of health behavior. The Public and Community Health program prepares students for careers in county and state public health departments, private health agencies, hospitals, health clinics, nonprofit agencies, and with community organizations. Graduates may also be able to pursue additional training/education in various allied health professions, including accelerated bachelor of science nursing (BSN) programs. Completion of the community health major establishes eligibility to sit for the Certified Health Education Specialist (CHES) examination.

Major in Public and Community Health

- B.A. in Public and Community Health (p. 284)

Minor in Public and Community Health

- Public and Community Health (p. 285)

CHL 110 • Introduction to Healthcare 2 Credits

An introduction to various health professions and the healthcare system in the United States. Emphasis on understanding the healthcare system, current issues in healthcare, and healthcare career paths. Development of healthcare literacy and navigating healthcare culture. Students examine education, training and licensure and/or certification requirements for potential careers.

Offered: Fall, Spring.

CHL 112 • Public and Community Health 4 Credits

An overview of the major concepts and principles of public and community health including population health, trends, and policy. Introduces strategic planning and evidence-based interventions aimed at improving and promoting the public's health. Examines the community and public health policy progress at organizational and governmental levels.

Offered: Spring.

CHL 314 • Foundations, Administration, and Evaluation of Health Education 4 Credits

Introduces the health education and health promotion professions, including historical, philosophical, and theoretical foundations of health education. Explores theories of behavior change, the responsibilities of health educators, and investigates career opportunities. Examines the theoretical and practical basis for planning, implementing, administering, and evaluating health education programs.

Prerequisites: CHL 112. Offered: Spring.

CHL 318 • Epidemiology 4 Credits

Introduces the history, philosophy and methodology of epidemiology to identify, prevent, and control disease and health-related conditions in populations. Students collect, interpret, and communicate epidemiologic data and study results.

Prerequisites: CHL 112. Offered: Fall, even # years.

CHL 345 • Disease Prevention and Epidemiology 4 Credits

Analysis of chronic and chronic infectious diseases, and injuries from personal, societal, and global perspectives. Focuses on the prevention, identification, and control of diseases and injuries. Examines the relationship of health promotion and lifestyle to disease and injury.

Prerequisites: CHL 112. Offered: Fall.

CHL 493 • Public and Community Health Internship I 2 Credits

Applies academic knowledge and professional skills to achieve personal and professional goals in a 90-hour, practical, off-campus experience. The faculty instructor must approve the site during the semester before the internship. An on-line seminar meets regularly with the Bethel faculty instructor and student peers to process internship experiences and assignments. *Prerequisites: CHL 314; Major in public and community health; Consent of instructor. Offered: Fall, Spring. Special Notes: Course is graded on an S/U basis.*

CHL 494 • Public and Community Health Internship II 4 Credits

Applies academic knowledge and professional skills to achieve personal and professional goals in a 180-hour, practical, off-campus experience. The faculty instructor must approve the site during the semester before the internship. An on-line seminar meets regularly with the Bethel faculty instructor and student peers to process internship experiences and assignments. *Prerequisites: CHL 314; CHL 493. Offered: Fall, Spring. Special Notes: This course is graded on an S/U basis.*

B.A. in Public and Community Health

Code	Title	Credits
B.A. in Public and Community Health		
Applied Health Science Core		
AHS 250M	Statistics and Research Methods in Applied Health Sciences	4
CHL 110	Introduction to Healthcare	2
CHL 112	Public and Community Health	4
CHL 314	Foundations, Administration, and Evaluation of Health Education	4
CHL 318	Epidemiology	4
CHL 345	Disease Prevention and Epidemiology	4
CHL 493	Public and Community Health Internship I ¹	2
CHL 494	Public and Community Health Internship II	4
Professional Core		
COM 209	Health Communication	4
EDU 331	Teaching and Learning	2
PHI 110	Introduction to Ethics	2
RES 340Z or SOW 327G	Principles and Methods of Intercultural Leadership Identity, Diversity, and Social Justice	4
Natural and Behavioral Sciences Core		
BIO 104 & BIO 104D or	Human Biology and Human Biology Lab	4
BIO 120 & BIO 120D	Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	4
PSY 101	Introduction to Psychology I	2
PSY 203	Lifespan Development	4

Code	Title	Credits
Major		54
General Education *		40-48
Electives		20-28
Total Credits		122

¹ Consent of instructor is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Public and Community Health and a Minor in Public and Community Health.

Minor in Public and Community Health

Code	Title	Credits
Minor in Public and Community Health ¹		
CHL 110	Introduction to Healthcare	2
CHL 112	Public and Community Health	4
CHL 314	Foundations, Administration, and Evaluation of Health Education	4
CHL 318	Epidemiology	4
CHL 345	Disease Prevention and Epidemiology	4
Total Credits		18

¹ Students must earn a grade of C or better in each course in the minor. Courses with grades of C- or lower must be repeated.

Students may not declare a B.A. in Public and Community Health and a Minor in Public and Community Health.

Social Work

Program Mission and Goals

The Social Work Program (<https://www.bethel.edu/undergrad/academics/social-work/>) at Bethel University prepares students for professional generalist social work practice, equipping them to be advocates of hope and change. Students learn to practice in a diverse world through scholarship, service, justice, and leadership within the context of a Christian liberal arts learning community.

- Students will demonstrate a commitment to critical thinking, ethical social work practice, scientific inquiry, and lifelong learning.
- Students will acquire social work knowledge, values, skills, and cognitive and affective processes that promote the well-being of individuals, families, groups, communities, and organizations.
- Students will integrate a faith and justice perspective that upholds the dignity and worth of all persons.
- Students will develop leadership abilities that promote human rights in a local and global context.

Bethel's Social Work Program is accredited by the Council on Social Work Education (CSWE) (<https://www.cswe.org/>). Graduates are eligible to be licensed as social workers. While preparation for generalist-level professional practice is the program's primary objective, academically qualified graduates are prepared to pursue graduate-level social work education. The students from Bethel's social work program are eligible for advanced standing admission to CSWE accredited graduate schools. The 63-credit major includes classroom and field courses, and select biological, social, and behavioral science foundational support courses.

Application for Candidacy for the Social Work Program

Candidacy indicates intention to apply for full admission to the program. To be considered for candidacy, students must submit a completed application and meet candidacy requirements.

The Bethel University social work program operates under a selective admissions policy.

The policy is based on the need to maintain a program of excellence in the classroom, assure the availability of quality field placements, and adhere to accreditation requirements. The Bethel social work program reserves the right to admit a limited number of candidates each year. Meeting the minimum standards does not guarantee that a student will be accepted as a candidate to the program. Students denied candidacy may appeal, reapply during the next candidacy review cycle, and/or may meet with their academic advisor to explore career alternatives.

Students who are accepted for candidacy are not guaranteed full admission and continuation in the program. Students must meet the requirements for each checkpoint and the Bethel University requirements for academic progress (p. 35).

The following are minimum threshold requirements to be considered for candidacy into the social work program.

A. Requirements

To be accepted as a candidate, the student must:

1. Have second semester sophomore standing;
2. Complete SOW 210Z, *Introduction to Social Work*, with a grade of C or better;
3. Have a minimum cumulative GPA of 2.25 at time of candidacy application. (*NOTE:* GPA is reviewed again at the end of the semester and must remain 2.25 or higher.)
4. Submit the completed **Volunteer or Paid Service form**, which a) documents at least 50 hours of experience in a community agency, school, hospital, or other social service organization; and b) provides evidence that the requirements for volunteer or paid service as outlined on the form have been met;
5. Demonstrate an introductory understanding and corresponding skill-set conducive to the development of professional knowledge, values, skills, the application of cognitive and affective processes, ethical practice, and conduct expected of a generalist social work practitioner as evidenced in service learning performance feedback, instructor observation, and assessment of professional skills commensurate with introductory level social work.
6. Examine, agree, adhere to, and demonstrate evidence of ability to meet the **Standards**

for Academic and Professional Performance (SAPP) (*1). Evidence of meeting SAPP at an entry level comes from service learning performance feedback, instructor observation, interview with social work faculty, and assessment of professional skills related to the SAPP in the classroom setting.

7. Meet with the course instructor of SOW 210Z, *Introduction to Social Work* or designated faculty to review and complete a SAPP (*1) evaluation. This evaluation indicates the student is meeting the standards established by the SAPP or that an improvement plan is required (*2). Actions on the improvement plan timeline occurring prior to the candidacy review must be successfully completed prior to the candidacy review date;
8. Submit the completed **Declaration of Candidacy form**;
9. Submit the completed **Candidacy Self-Assessment** demonstrating a) capacity for professional written communication; b) self-awareness of strengths, areas of potential growth and emotional intelligence; and c) values consistent with the values identified in the social work profession.
10. Submit an unofficial transcript from DegreeWorks.
11. After thoroughly examining the **Statement of Understanding and Agreement** and all listed documents, sign and agree to:
 - NASW Code of Ethics
 - Social Work section of the Bethel University catalog
 - Social Work Program Policy Manual & Student Handbook
 - Social Work Field Policy Manual
 - Program Position Statement on Diversity
 - Racial Harassment Policy
 - Sexual Harassment Policy
 - Eligibility for Social Work Licensure
 - Criminal Background Disclosure
 - Standards for Academic and Professional Performance (SAPP)
 - SAPP Evaluation Form (see #6 above)
 - Volunteer or Paid Service Documentation (see #4 above)

B. Social work faculty will review and assess submitted candidacy documents, make a decision on candidacy, and provide written notification to the applicant concerning candidacy status. Notice of decisions will be sent to students' P.O. boxes and via email. Please see *social work program policy definitions* located later in the social work section of this catalog for explanations of conditional acceptance (*4) and provisional acceptance (*5).

C. Students who choose to appeal decisions related to candidacy must follow the process and policy for program appeals as articulated in the social work section (p. 286) of the Bethel catalog and the *Social Work Program Policy Manual & Student Handbook*.

Application for Full Admission to the Social Work Program

Application for full admission into the social work program and field education occurs in the fall of students' junior year. To be considered for full admission to the social work program, students must meet admission requirements and submit a completed application by the application deadline. To progress in the program, a student must meet the departmental and Bethel University requirements for academic progress (p. 35).

The Bethel University social work program operates under a selective admissions policy. The policy is based on the need to maintain a program of excellence in the classroom, assure the availability of quality field placements, and adhere to accreditation requirements. The social work program reserves the right to admit a limited number of students each year. Meeting the minimum standards does not guarantee a student will be admitted to the program. Students who are denied admission may appeal, may reapply during the next admission cycle, and/or may meet with their academic advisor to explore career alternatives.

The decision to admit a student is based on a review of all materials submitted by the student, as well as evaluation forms and letters of recommendation submitted by the evaluators on behalf of the student.

The following are minimum threshold requirements to be considered for admission into the social work program.

A. Requirements

To be fully admitted to the Bethel social work program, the candidate must:

1. Have previously been accepted as a candidate to the program including completion of SOW 210Z *Introduction to Social Work* with a grade of C or better;
 2. Have a minimum cumulative Bethel GPA of 2.25 at time of application to the program. (NOTE: GPA is reviewed again at the end of the semester and must remain 2.25 or higher.)
 3. Have earned a grade of C or better in each social work (SOW) course. Courses with a grade of C- or lower must be repeated.
 4. Continue to demonstrate a progressive understanding of generalist social work practice and corresponding skill-set conducive to the development of professional knowledge, values, skills, the application of cognitive and affective processes, ethical practice, and conduct expected of a generalist social work practitioner as evidenced in junior field experience feedback, instructor observation, and assessment of professional skills. Continue to demonstrate evidence of ability to meet the **Standards for Academic and Professional Performance (SAPP) (*1)**. Evidence of meeting the **SAPP** standards at a developmentally appropriate level comes from performance feedback from junior level field experience, instructor observation, interview with social work faculty, and assessment of professional skills related to the **SAPP** in the classroom setting.
 5. Achieve a successful mid-year evaluation of performance in SOW 320 *Experience in Anti-Racism, Diversity, Equity, and Inclusion in Social Work Practice I* as completed by the field supervisor and approved by the field director.
 6. Demonstrate evidence of following the **NASW Social Work Code of Ethics** as shown by performance in the classroom and in the field.
 7. Successfully complete any on-going *Improvement Plans (*2)* related to *Notice of Concerns (*3)* and/or *Conditional Acceptance (*4)*.
8. The following components of the submitted application are considered as evidence of readiness for full admission into the social work program:
 - a. Application for **Full Admission to the Social Work Program form**
 - b. Admission narratives on five (5) topics addressing your interest in the social work profession;
 - c. Self-assessment of readiness for social work practice;
 - d. Two letters of reference from qualified individuals assessing applicant's aptitude to pursue social work;
 - e. Current resume (reflects current number of social work related hours in each work area);
 - f. Copy of unofficial transcript from DegreeWorks;
 - g. Interview with an assigned social work faculty;
 - h. If provisionally accepted for candidacy due to being in process of completing the required 50 hours of volunteer or paid service, student must also provide: **Volunteer or Paid Service form** documenting at least 50 hours of experience in a community agency, school, hospital, or other social service organization.

B. Social Work faculty will review and evaluate submitted full admission documents, make a decision on admission into the program, and provide written notification to the applicant concerning full admission status. Notice of decisions will be sent to students' P.O. boxes and via email. Please see social work program definitions located later in the social work section of this catalog for explanations of *conditional acceptance (*4)*.

C. Students who choose to appeal decisions related to full admissions must follow the process and policy for program appeals as articulated in the social work section (p. 286) of the Bethel catalog and the *Social Work Program Policy Manual & Student Handbook*.

Standards for Continuance and Graduation (SCG)

To progress in the program, students must meet the following requirements:

1. Earn a grade of C or better in each social work (SOW) course (courses with a grade of C- or lower must be repeated);
2. Maintain a minimum cumulative Bethel 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 as demonstrated by successful completion of ethics assignments as indicated in syllabi;
4. Demonstrate continued development of professional knowledge, values, skills, cognitive and affective processes, ethics, and expected evidence of ability to meet the **Standards for Academic and Professional Performance (SAPP)** (*1). Evidence of meeting SAPP at a level commensurate with program standards comes from service learning and field performance feedback, field evaluations, instructor/ classroom observation, and assessment of professional skills related to the SAPP;
5. Demonstrate continued development of professional knowledge, values, skills, cognitive and affective processes, ethics, and conduct expected of a generalist social work practitioner as presented throughout the social work program;
6. Receive a successful final evaluation from SOW 325 *Experience in Anti-Racism, Diversity, Equity, and Inclusion in Social Work Practice II*, as completed by the field supervisor and approved by the field director, confirming that satisfactory progress is evident and the student is ready for SOW 420 *Social Work Field Instruction I*.
7. Receive a mid-year evaluation from SOW 420 *Social Work Field Instruction I*, as completed by the field supervisor and approved by the field director, confirming that satisfactory progress is being made toward competent, ethical, and professional social work practice;
8. Receive a final evaluation from SOW 425 *Social Work Field Instruction II*, as completed by the field supervisor and approved by the

field director, confirming that satisfactory progress is being made toward competent, ethical, and professional social work practice and that student is adequately prepared to graduate as a professional social worker.

B. Applicable requirements for continuance and graduation are reviewed at the completion of each semester. If students do not meet the **Standards for Continuance and Graduation (SCG)**, notifications are sent to student P.O. boxes and via email. Please see social work program policy definitions located later in the social work section (p. 286) of this catalog for an explanation of *Notice of Concern* (*3).

C. Students who choose to appeal decisions related to **Standards for Continuance and Graduation (SCG)** must follow the process and policy for program appeals as articulated in the social work section (p. 286) of the Bethel catalog and the *Social Work Program Policy Manual & Student Handbook*.

Social Work Program Policy Definitions

Standards for Academic and Professional Performance (SAPP) ¹

Critical thinking and decision-making, interpersonal relationship skills, professional values and ethics, communication skills, responsible conduct, professional readiness, and self-awareness. These standards are consistent with the role and responsibilities of the social work professional. (*NOTE: a criminal history may preclude one's ability to become licensed as a social worker upon graduation*).

Improvement Plan (IP) ²

A formal *Improvement Plan (IP)* may be required at multiple points in the program including but not limited to SOW 210Z *Introduction to Social Work*, during candidacy, full admission, or in response to a *Notice of Concern (NOC)* (* 3). An *IP* is developed by the student in collaboration with the course instructor/designated faculty. The *IP* is signed by the student and course instructor/designated faculty and placed in the student's candidacy file. An *IP* must clearly specify goal(s), methods to measure achievement of the goals, specific actions to be taken to successfully meet the goal(s), and a timeline for the completion of those actions. Students with a formal *IP* must have successfully achieved the identified goals using the measurement listed in the *IP* before

being eligible for candidacy and/or full admission to the program.

Notice of Concern (NOC)³

An (NOC) may be issued to students who have been either accepted as candidates or fully accepted into the social work program and for whom performance issues in the field or classroom have been identified. Students receiving a NOC are required to develop and submit a formal IP (*2) which addresses the identified issue. An NOC is identified as Level 1 (serious concern) or Level 2 (most serious concern).

Conditional Acceptance⁴

On rare occasions, students not meeting all candidacy, full admission, or standards for continuance requirements, may be accepted and/or advanced conditionally with specific requirements identified and addressed in a formal IP.

Provisional Acceptance⁵

Students who are in the process of completing 50 hours of voluntary or paid experience and/or students enrolled in SOW 210Z *Introduction to Social Work* at the time of application review, and who meet all other requirements, may be accepted provisionally and will be reviewed for full candidacy or full admission after successful completion of the required element(s).

Social Work Program Appeals Process

Students denied candidacy, full admission, or continuation in the social work program, may submit a written request for consideration of conditional candidacy, conditional admission, or conditional continuation in the program. This written request must be submitted to the director of the social work program within one week of receiving the decision and needs to include an IP stating how unmet requirements will be achieved. Within one week of receiving students' written request, the program director and field director will review the plan and notify students of their decision. If conditional candidacy, full admission, or continuation is granted, conditions for moving forward will be stated. If students are not granted conditional candidacy, full admission, or continuation, students may submit a written appeal to the appropriate academic dean. This

written appeal must be submitted within one week of receiving the department's decision.

Those who appeal should be aware of the responsibility of a professional program. It is the social work faculty's responsibility to recommend for candidacy, admission, continuation, and graduation only students who have demonstrated the capacity to perform professional social work practice. This includes adherence to the *Social Work Code of Ethics* and ability to meet criteria as outlined in the **Standards for Academic and Professional Performance (SAPP)**.

NOTE: Students who request to resume their involvement with the social work program after dropping out of the program, being dismissed from the program, or withdrawing from Bethel University for any reason must apply for readmission into the program. Issues that led to the decision to drop out (whether voluntary or involuntary) must be addressed prior to being readmitted to the social work program. Being readmitted to Bethel University does not constitute readmission into the social work program.

Field Education Program

Bethel's social work Field Education Program provides students with generalist social work practice experiences within community-based settings where students learn to connect the theoretical and conceptual contributions from the classroom in a field setting. The field placement is carefully selected because of its ability to provide opportunities for students to demonstrate specific social work competencies with individuals, families, groups, organizations, and communities.

Students are introduced to the concept of anti-racism, diversity, equity, and inclusion (ADEI) professionalism through a 150-hour junior level community learning experience (SOW 320) *Experience in Anti-Racism, Diversity, Equity, and Inclusion in Social Work Practice I* and SOW 325 *Experience in Anti-Racism, Diversity, Equity, and Inclusion in Social Work Practice II* under the guidance of an experienced community professional.

Students who have been admitted to the Senior Level Field Program are required to complete a minimum of 400 hours of in-person contact with clients and constituencies, performing the

role of a professional social worker under the supervision of an on-campus field instructor, and a qualified community-based social work field instructor. These field hours are completed concurrently with the following courses: SOW 420 *Social Work Field Instruction I*, SOW 425 *Social Work Field Instruction II*.

Students are often required to complete a criminal background check at their own expense as part of agency requirements. Students must furnish their own transportation to and from field settings.

International Field Practicum

Junior-level students may fulfill SOW 325 *Experience in Anti-Racism, Diversity, Equity, and Inclusion in Social Work Practice II* in a 100 hour social work-approved international service oriented field-based internship experience guided by Non-Government Organization staff or local service agency staff with International academic program oversight. Students must work with the Office of International and Off-Campus Programs (<https://www.bethel.edu/international-studies/>) to arrange a study abroad program that meets social work junior level internship requirements and obtain approval from the Field Director of the social work program. Students must meet both the academic requirements of the study abroad and the social work program to receive field related credit upon completing their International field-based service oriented internship experience.

Major in Social Work

- B.A. in Social Work (p. 293)

Minor in Social Work

- Social Welfare Studies (p. 295)

SOW 180 • Human Behavior and the Social Environment 4 Credits

Analyzes individuals, families, and groups utilizing systems theory, learning theories, and psychosocial frameworks. Appraises important lifespan milestones and the influence of social environment on human development. Applies information and theories consistent with social work values, cultural diversity and the promotion of social justice.

Offered: Spring.

SOW 210Z • Introduction to Social Work 4 Credits

Understanding of social work mission, core values, history, and field of practice overview. Recognition of the dimensions of diversity, cultures, and structures that may oppress and marginalize people groups. Communication and collaboration with diverse individuals with community-based, cross-cultural service learning. Consideration of social work as career choice. *Prerequisites: Sophomore standing and Major in social work or Minor in social welfare studies or Consent of instructor. Offered: Fall, January even # years.*

SOW 240 • Socioeconomic & Justice Issues in Market Economies 2 Credits

Critical evaluation of how market economies operate, their broad socioeconomic consequences, and their impact on the lives of socially disadvantaged people. Evaluation of global and local processes and mechanisms. Analysis of theories and approaches to social justice that advocate and promote social and economic justice, and human rights.

Offered: Spring, odd # years.

SOW 304 • Social Work Practice with Organizations and Communities 2 Credits

How cultural structures and values affect privilege and power. Identifies practices that ensure that rights and responsibilities are distributed equitably. Analyzes strength-based assets and community empowerment. Applying self-awareness and self-regulation, relationship building and inter-professional collaboration, multidisciplinary theoretical frameworks and intervention strategies based on assessment, research, values, and preferences of clients.

Prerequisites: SOW 210Z; SOW 180 or PSY 203 (may be taken concurrently); Major in social work; Candidacy status in the social work program. Offered: Spring.

SOW 312 • History of Social Change Through Policy 4 Credits

Interrelationship of social problems, social welfare policies, and service delivery. Examines social and political movements that have shaped social activism. Evaluates significant turning points and their legacies in order to appreciate the linkages and contexts that interconnect social welfare reform efforts. Identifies strengths and weaknesses of the American welfare state.

Prerequisites: SOW 210Z; SOW 180; POS 100 (may be taken concurrently, or with instructor approval).

Offered: Spring.

SOW 313 • Social Work Practice with Individuals 4 Credits

Introduction to generalist social work theory and practice with individuals and families. Application of professional development, critical thinking, effective communication, Human Behavior and the Social Environment (HBSE), ethical and evidence-based practice. Development of knowledge and skills of social work practice: engagement, assessment, planning, intervention, evaluation, and termination.

Prerequisites: SOW 210Z; SOW 180 or PSY 203 (may be taken concurrently); Major in social work; Candidacy status in the social work program.

Offered: Fall.

SOW 320 • Experience in Anti-Racism, Diversity, Equity, and Inclusion in Social Work Practice I 2 Credits

Integration of anti-racism, anti-oppressive, and justice-informed theories and practice in social work experience. Understanding of how one's own cultural identity impacts engagement and assessment with individuals, groups, families, organizations, and communities. Application of interpersonal skills within a multi-service community-based agency setting. Students participate in 75 hours of community-based learning.

Prerequisites: SOW 210Z; SOW 180 or PSY 203 (may be taken concurrently). Offered: Fall.

SOW 325 • Experience in Anti-Racism, Diversity, Equity and Inclusion in Social Work Practice II 2 Credits

Development of advanced skills and integration of anti-racism, anti-oppressive and justice-informed theories and practice to social work experience. Understanding of how one's own cultural identity impacts engagement and assessment with individuals, groups, families, organizations, and communities. Application of interpersonal skills within a multi-service community-based agency setting. Includes 75 hours of community-based learning.

Prerequisites: SOW 210Z; SOW 180 or PSY 203 (may be taken concurrently) and SOW 320. Offered: Spring.

SOW 327G • Identity, Diversity, and Social Justice 4 Credits

Examines impact of societal conditions on individuals and communities. Evaluates communal, local, and national power structures, especially their impact on nondominant cultures and identities. Applies contemporary writings, social theory, and the voice of marginalized individuals. Analyzes systems that promote justice and equity, as well as those that exploit and marginalize.

Prerequisites: [GES 130; GES 160 or GES 149]; Contemporary Western Life and Thought (L) course or World Cultures (U) course. Offered: Fall.

SOW 340 • Environmental Justice, Health Disparities, and Restoration Perspectives in Social Work 2 Credits

Examination of policies established to address the inequitable distribution of environmental risks. Explanation of theories and history of environmental justice. Analysis of environmental justice and health disparities in racial groups and communities. Identification of strategies to reduce environmental injustices and health disparities.

Offered: Spring, odd # years.

SOW 405 • Social Work Practice with Families and Groups 4 Credits

Generalist social work theory applied to integrated practice within client systems. Emphasis on families and groups and on the planned change process. Student development of a group work project and case study review promote application of critical thinking, research-informed practice and cultural competence.

Prerequisites: SOW 210Z; SOW 180 or PSY 203; SOW 304; SOW 313. Offered: Fall.

SOW 420 • Social Work Field Instruction I 4 Credits

Applies social work competencies to guide ethical and professional practice. Analyzes personal strengths and weaknesses. Analyzes social, economic, racial and environmental injustices and human rights issues. Analyzes policy practice in relation to human rights and injustice issues. Applies practice skills in the engagement, assessment, intervention and evaluation of client constituencies.

Prerequisites: SOW 210Z; SOW 180 or PSY 203; SOW 304; SOW 313; SOW 320; SOW 325; SOW 327G (may be taken concurrently). Offered: Fall.

SOW 425 • Social Work Field Instruction II 4 Credits

Demonstration of ethical and professional behavior. Engagement in Antiracist, Diversity, Equity, and Inclusion (ADEI), practice-informed research, research-informed practice, and policy practice. Advancement of human rights and social, economic, racial and environmental justice. Engagement, assessment, intervention, and evaluation with individuals, families, groups, organizations, and communities.

Prerequisites: SOW 210Z; SOW 180 or PSY 203; SOW 304; SOW 313; SOW 320; SOW 325; SOW 327G (may be taken concurrently); SOW 420. Offered: Spring.

SOW 431 • Conversations about End of Life 1 Credit

Development of advanced care planning (ACP) facilitation skills in the context of faith, cultural, healthcare system, and societal perspectives. A First Steps ACP Facilitator Certificate is available for students who successfully complete ACP Facilitator requirements.

Prerequisites: Senior standing in nursing or social work, or Consent of instructor. Offered: Spring.
Special Notes: This course carries cross-credit in nursing.

SOW 450 • Abuse, Trauma, and Mental Health in Social Work Practice 4 Credits

Presentation of the characteristics and consequences of family violence, intimate partner abuse and child and elder abuse. Identification of theoretical frameworks for assessment and intervention with survivors. Exploration of the role of racism and oppression in addressing abuse and trauma. Application of the DSM in case plans for client vignettes.

Prerequisites: PSY 101; PSY 102; SOW 180 or PSY 203 (may be taken concurrently). Offered: Spring, odd # years.

SOW 451 • Research for Social Work Practice 4 Credits

Analysis and evaluation of research methods for various practice contexts and purposes. Using research-based data to advance knowledge, inform practice, and evaluate program and practice effectiveness. Synthesizing scholarly research and best practice in an organized professional literature review. Creation of a research study to improve practice, policy or delivery.

Prerequisites: SOW 210Z; SOW 180 or PSY 203; SOW 320; SOW 325. Offered: Fall.

SOW 499 • Senior Integrative Seminar 4 Credits

Integration of generalist social work knowledge, values, and skills through ethics-based case studies and completion of practice/program evaluation research applied to field practicum setting. Critical thinking, leadership, and scholarship emphasized. Understand ethical integration of a Christian worldview into social work practice.

Prerequisites: SOW 420; SOW 451; Admission to the social work program. Offered: Spring.

B.A. in Social Work

Code	Title	Credits
Major in Social Work (B.A.)		
POS 100	American Politics and Government	4
PSY 101	Introduction to Psychology I	2
SOC 101	Introduction to Sociology	4
SOW 180	Human Behavior and the Social Environment	4
SOW 210Z	Introduction to Social Work	4
SOW 240	Socioeconomic & Justice Issues in Market Economies	2
SOW 304	Social Work Practice with Organizations and Communities ¹	2

SOW 312	History of Social Change Through Policy	4
SOW 313	Social Work Practice with Individuals ¹	4
SOW 320	Experience in Anti-Racism, Diversity, Equity, and Inclusion in Social Work Practice I	2
SOW 325	Experience in Anti-Racism, Diversity, Equity and Inclusion in Social Work Practice II	2
SOW 327G	Identity, Diversity, and Social Justice	4
SOW 340	Environmental Justice, Health Disparities, and Restoration Perspectives in Social Work	2
SOW 405	Social Work Practice with Families and Groups	4
SOW 420	Social Work Field Instruction I	4
SOW 425	Social Work Field Instruction II	4
SOW 450	Abuse, Trauma, and Mental Health in Social Work Practice	4
SOW 451	Research for Social Work Practice	4
SOW 499	Senior Integrative Seminar ²	4

Code	Title	Credits
	Major	64
	General Education *	44-52
	Electives	6-14
	Total Credits	122

¹ Candidacy status in the social work program is a prerequisite for this course.

² Admission to the social work program is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Social Work and a Minor in Social Welfare Studies.

Minor in Social Welfare Studies

Code	Title	Credits
Minor in Social Welfare Studies		
SOW 210Z	Introduction to Social Work	4
SOW 240	Socioeconomic & Justice Issues in Market Economies	2
SOW 327G	Identity, Diversity, and Social Justice	4
One lower level elective from the following courses:		4
PSY 101 & PSY 102	Introduction to Psychology I and Introduction to Psychology 2	
PSY 203	Lifespan Development ¹	
SOC 101	Introduction to Sociology	
SOW 180	Human Behavior and the Social Environment	
One upper level elective from the following courses:		4
EDU 317GZ	Educational Equity	
POS/PSY 317	Political Psychology	
SOW 312	History of Social Change Through Policy ²	
Total Credits		18

¹ PSY 101 is a prerequisite for this course.

² SOW 180 and POS 100 (may be taken concurrently) are prerequisites for this course. Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Social Work and a Minor in Social Welfare Studies.

Admissions Procedures & Requirements

To apply for admission to Bethel University, the following steps are required in most cases:

New Freshmen, Transfers, and Nontraditional Students

1. Submit the Bethel Application (<http://bethel.edu/undergrad/admissions/apply/>).
2. For high school students: a transcript complete through the most recent semester (if grades are not determined on a 4.0 scale, a transcript evaluation may be required).
3. For high school students: Submit ACT, CLT, or SAT test scores. Test scores are required from all applicants unless "No" is selected on the "Should Bethel consider your standardized test scores in the admissions process" question on the application. In that case, students would be applying "Test Optional." NOTE: References and test scores may be requested in certain cases
4. For transfer applicants, all transcripts from any secondary and postsecondary institutions attended. A high school transcript is required if the student has less than one year of college experience.

Admissions Standards

- Graduation from an accredited secondary school or equivalent
- GPA Requirements:
 - First Year Students: GPA: 3.0 (unweighted)
 - Transfer Students: GPA: 2.8 or higher
 - International Students: GPA, on a 4.0 scale, same as entrance classification
 - Transcript evaluation required
- Test Scores (optional)
 - First Year Students: ACT: 21+; SAT: 920+; CLT: 68-70
- Students with a GPA below stated requirements may be considered for admission as a "Provisionally Admitted Student"
 - Full program statement and requirements are located in the Provisional Admittance (<https://catalog.bethel.edu/arts-sciences/general-information/academic-progress-probation-dismissal/>) section of this catalog

Completed applications will be reviewed and considered on an individual basis. References and additional information may be requested in certain cases.

If there is reason to doubt the validity of the student's high school diploma or recognized equivalent, Bethel University will follow the institution's procedures to verify completion of high school, recognized equivalent of a high school diploma or college coursework.

PSEO Students

For an application for admission to be considered, Bethel University must receive the following by **May 1st**:

1. Your completed online application (<http://bethel.edu/undergrad/admissions/apply/>) must be received in the Office of Admissions by **May 1**.
2. Official or unofficial transcripts by **May 1**.

Admissions Standards

- Be a junior or senior in high school by the time classes begin
- Be a resident of the state of Minnesota
- GPA of at least 3.0 OR submit a qualifying test score: ACT: 24+; SAT: 1160; CLT: 76-77

Completed applications will be reviewed and considered on an individual basis. References and additional information may be requested in certain cases.

If there is reason to doubt the validity of the high school diploma or recognized equivalent, Bethel University will follow the institution's procedures to verify completion of high school, recognized equivalent of a high school diploma or college coursework.

NOTES: Early College seats are limited. Qualified applicants are accepted on a first-come, first-served basis. Students with a GPA below 3.0 may be considered for admission.

International Students

An international student is any applicant who wishes to enroll with non-immigrant visa status. [Students who are US citizens (including those who are living outside the US), those who are legal permanent residents, those who have refugee status, those who have been granted asylum, or those who are undocumented are not considered international students and should abide by the policies above.]

For international applicants, attending school in the U.S. on a Visa, the following additional items are required to apply to Bethel University:

- Copy of valid passport
- After financial aid has been received, submission of a Certificate of Finance (<https://www.bethel.edu/admissions/international-student-financial-information/>) and most recent copy of bank statements going back 6 months

For international applicants living outside of the US, the following items are required to apply to Bethel University:

- Copy of valid passport
- Once financial aid has been received, submission of a Certificate of Finance (<https://www.bethel.edu/admissions/international-student-financial-information/>) and most recent copy of bank statements going back 6 months
- If applying as a **first year** student, an evaluated transcript with cumulative GPA by an official NACES member. (WES (<https://www.wes.org/partners/credential-evaluation-requirements-for-bethel-university-mn/>) is a preferred a vendor.)
- If applying as a **transfer** student, a course-by-course transcript with cumulative GPA by an official NACES member. (WES (<https://www.wes.org/partners/credential-evaluation-requirements-for-bethel-university-mn/>) is a preferred a vendor.)
- IELTS or TOEFL score if English is not the student's first language or his/her education did not take place in an institution where English was the primary instructional language
 - Minimum scores: 80 iBT-TOEFL, 550 PBT-TOEFL, or 6.5 IELTS

Once above requirements are met **students will be considered for conditional acceptance**, to complete acceptance process, students need to submit the following once financial aid award is received:

- Certificate of Finance (<https://www.bethel.edu/admissions/international-student-financial-information/>) and most recent copy of bank statements going back 6 months
 - Additional bank statements and sponsorship letter may be required

In order to enroll at Bethel, Bethel requires official transcripts from all institutions student has attended. Uniquely for high school transcripts, the posted graduation date must be listed on the transcript.

- International students are only eligible to apply for **Fall term**
- Acceptance Deadline: **May 1**, prior to the start of the student’s first Fall term
- Applicants must be conditionally accepted by **May 1** to be eligible to enroll for Fall term

Finances

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

Student Cost for 2024-25

FT Fall= full-time enrollment (12-18 credits per semester)

FT Spring = full-time enrollment (12-23 credits per semester)¹

PT = part-time enrollment (fewer than 12 credits per semester)

NR = not registered

Tuition	Fall	January Session	Spring	Summer
FT Fall and FT Spring	\$22,025	No charge ¹ (up to 5 credits) ²	\$22,025	NA
PT Fall and FT Spring	\$1,840/credit	No charge	\$22,025	NA
PT Fall and PT Spring	\$1,840/credit	\$1,840/credit	\$1,840/credit	NA
FT fall and NR Spring	\$22,025	-	-	NA
NR Fall and FT Spring	-	No Charge ¹	\$22,025	NA
PT Fall and NR Spring	\$1,840/credit	-	-	NA
NR Fall and PT Spring	-	\$1,840/credit ¹	\$1,840/credit ¹	NA
Off-Campus Programs	Contact Office of International and Off-Campus Programs	Contact Office of International and Off-Campus Programs	Contact Office of International and Off-Campus Programs	NA
FT Fall and PT Spring	\$22,025	\$1,840/credit ¹	\$1,840/credit ¹	NA
Teacher Licensure Rate	\$1,220/credit	\$1,220/credit	\$1,220/credit	\$610/credit
Post-baccalaureate Rate	\$1,220/credit	\$1,220/credit	\$1,220/credit	\$610/credit
Tuition Overload¹	\$1,220/credit	NA	\$1,220/credit	NA
Summer Term	NA	NA	NA	\$610/credit
Audit	\$184/credit	\$184/credit	\$184/credit	\$184/credit

¹ January Session credits are included in the determination of full time status for the Spring Semester. For example - 3 credits during January Session added to 9 credits taken in the Spring Session totals 12 credits. The student is considered FT Spring and will be billed within the banded rate of FT tuition.

² Overloads are not permitted during January session.

Fee	Fall	January Session	Spring	Summer
Bethel Student Activity fee (full time)	\$88	NA	\$88	NA

Room (first-time residents in Bethel Housing)

	Fall	January Session	Spring
In Bethel Housing Fall, Spring, and January	\$3,145	No Charge	\$3,145
In Bethel Housing Fall and January	\$3,145	\$316	-
In Bethel Housing Spring and January	-	\$316	\$3,145
In Bethel Housing January Only	-	\$632	-

Room (second consecutive year in Bethel Housing)

	Fall	January Session	Spring
In Bethel Housing Fall, Spring, and January	\$3,145	No Charge	\$3,145
In Bethel Housing Fall and January	\$3,145	\$316	-
In Bethel Housing Spring and January	-	\$316	3,145

Room (third consecutive year in Bethel Housing)

	Fall	January Session	Spring
In Bethel Housing Fall, Spring, and January	\$3,050	No Charge	\$3,050
In Bethel Housing Fall and January	\$3,050	\$316	-
In Bethel Housing Spring and January	-	\$316	\$3,050

Room (fourth consecutive year in Bethel Housing)

	Fall	January Session	Spring
In Bethel Housing Fall, Spring, and January	\$2,995	No Charge	\$2,995
In Bethel Housing Fall and January	\$2,995	\$316	-
In Bethel Housing Spring and January	-	\$316	\$2,995

Room (fifth consecutive year in Bethel Housing)

	Fall	January Session	Spring
In Bethel Housing Fall, Spring, and January	\$2,995	No Charge	\$2,995
In Bethel Housing Fall and January	\$2,995	\$316	-
In Bethel Housing Spring and January	-	\$316	\$2,995

NOTE: Active Military Duty students will receive a refund of amounts paid for room and board attributable to the time period during which the students were serving in active military service and

were unable to use the facilities or services for which the amounts were paid. Any refund of room and board is subject to the requirements of state and federal financial aid programs.

Meal Plan

More information regarding meal plans is available at [bethel.edu/dining-services/meal-plans](https://www.bethel.edu/dining-services/meal-plans) (<https://www.bethel.edu/dining-services/meal-plans/>).

Students in first year Bethel housing will be auto-assigned the "Navy A" meal plan (\$5,880 per year) with the option to change their plan based off of their housing location.

Students in second, third or fourth year housing will be auto-assigned the "Navy B" meal plan (\$5,230 per year) with the option to change their plan based off of their housing location.

To manage your meal plan: **MyBethel>Tools & Resources>My Housing and Meals**

Music Instruction

1/2 hour per week private lesson	\$480 per semester
3/4 hour per week private lesson	\$680 per semester
One hour per week private lesson	\$865 per semester

- 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 and Theatre (<https://www.bethel.edu/undergrad/academics/music-theatre/>).

Special Fees

Enrollment Deposit (nonrefundable after May 1)	\$300
Additional Course Fees (indicated in registration materials)	Amount varies
Science Lab Fee	\$180
Natural Science Education Lab Fee (NAS)	\$35
Nursing lab, equipment, malpractice insurance, clinical site placement, and computerized exam fees (Juniors and Seniors)*	\$267 per semester
Nursing lab, equipment, background check, and computerized exam fees (Sophomores)*	\$151 (spring semester)
Nursing testing fee (Seniors)*	\$616 (fall semester)
Nursing testing fee (Juniors)*	\$748 (fall semester)
Nursing testing fee (Sophomores)*	\$381 (spring semester)
Nursing Central fee (Sophomores)*	\$201 (spring semester)
Language Skills Test	Varies according to language
Credit by Examination	\$75 per credit
Official Transcript	Varies by format - see https://www.bethel.edu/registrar (https://www.bethel.edu/registrar/)
Non-Sufficient Funds Fee (NSF)	\$25 per item
Commuter Parking Fee	\$175 per semester
Senior Resident Parking Permit	\$175 per semester
Junior Resident Parking Permit	\$225 per semester

Sophomore Resident Parking Permit (Availability restrictions apply. See Office of Security.)	\$275 per semester
Freshman Resident Parking Permit (Availability restrictions apply. See Office of Security.)	\$375 per semester

*Nursing fees are approximate and will vary depending on vendor pricing. Accurate fees will be published each semester with registration materials.

Bethel Student Activity Fee

The Bethel Student Activity fee is charged per semester when a student is enrolled full time (12-23 credits). This fee is determined by the Bethel Student Government (BSG) (<https://www.bethel.edu/undergrad/student-life/activities/bsg/>).

Overload Fee

An overload fee is charged for each credit enrolled over 18 credits in the fall semester.

An overload fee is charged for each credit enrolled over 23 credits in the spring semester.

No overloads are permitted during January session. Note the eligibility requirements in the *General Information* section of this catalog.

Audit Fee

A student who is registered for full time during the semester will not be charged to audit a course. The student will be charged the audit fee per credit if not enrolled full time during the semester. The free audit does not include students who are billed at the post-baccalaureate or teacher licensure rates.

Transcript Fee

Official transcripts are available showing all academic work completed to date at Bethel University. Both electronic and paper versions of official transcripts are available for a fee, which varies depending on the format. Electronic transcripts are processed instantly. Paper transcripts will be printed and mailed the next business day. Some exceptions apply. Transcripts can only be sent if all outstanding financial obligations are met. Questions regarding transcripts should be addressed to the Office of the Registrar (<https://www.bethel.edu/registrar/>). To order an official transcript, please visit: <https://www.bethel.edu/registrar>.

Student Health Insurance

Student athletes are required to have health insurance that meets the NCAA requirement minimum of \$90,000 and does not exclude intercollegiate sports accidents or injuries. For more information, please visit the Medical Eligibility (<https://athletics.bethel.edu/sports/2017/6/12/medical-eligibility.aspx>) page found within the Athletics website.

Any questions can be directed to Justin Byers, Director of Athletic Training Services, by emailing jbyers@bethel.edu or calling 651.638.6234.

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 offered 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. Offers 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 offer, the final decision will be made by the university.
3. Students are encouraged to seek grants and scholarships from third-party sources. (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 financial aid budget for tuition, fees, room, board, books, and supplies.
4. Recipients of military-related educational benefits are considered for a normal financial aid offer which may include federal, state, institutional and/or private sources of aid. Adjustments to the financial aid offer are made when outside aid, including military educational benefits create an overaward.
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.
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. Post-baccalaureate 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 Programs

Financial aid comes in two categories: gift aid (grants and scholarships) and self-help aid (loans and student employment).

A scholarship is a gift given in recognition of academic achievement; special talents; or contribution to church, school, or community. Visit [bethel.edu/undergrad/financial-aid/types/scholarships](https://www.bethel.edu/undergrad/financial-aid/types/scholarships) (<https://www.bethel.edu/undergrad/financial-aid/types/scholarships/>) for additional information.

A grant is a gift given usually on the basis of financial need. Visit bethel.edu/undergrad/financial-aid/types/grants (<http://bethel.edu/undergrad/financial-aid/types/grants/>) for additional information about federal, state, and Bethel programs.

A loan must be repaid. Student loan programs allow you to borrow money at low interest rates to help pay for your education. Visit bethel.edu/undergrad/financial-aid/types/loans (<http://bethel.edu/undergrad/financial-aid/types/loans/>) for additional information.

Student employment allows a student to earn a portion of his/her college expenses by working a part-time job on campus or in an off-campus community service position. Visit [bethel.edu/undergrad/financial-aid/types/student-employment](https://www.bethel.edu/undergrad/financial-aid/types/student-employment/) (<https://www.bethel.edu/undergrad/financial-aid/types/student-employment/>) for additional information.

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.
2. Complete and submit the Free Application for Federal Student Aid (FAFSA). The FAFSA may be completed online at www.fafsa.ed.gov. Bethel's FAFSA code number is 002338.
3. After your FAFSA is processed, you will receive a FAFSA Submission Summary from the government. Review the data on the Summary for accuracy. If you need to make corrections, follow the instructions on the Summary or contact a counselor in the Office of Financial Aid at Bethel.
4. Students who have unusual, non-discretionary expenses; whose family experienced a recent loss of income; or who are applying for independent status must submit an appeal form with supporting documentation. Appeal forms are available at cas.bethel.edu/financial-aid/apply/special-circumstances.
5. The financial aid office will mail students who have been selected for verification a Verification Form that indicates what must be verified along with instructions for how to submit the information. If selected to verify income, applicants must either utilize the IRS Data Retrieval or request a Tax Return Transcript.

Bethel's priority deadline for financial aid applications is April 15 for new students, and May 10 for returning students each year. Students who have completed and mailed all the necessary forms by that date will receive first consideration. Bethel will continue offering financial aid funds to students who complete their applications after the priority deadline, but such students may receive diminished financial aid offers.

Offers are made for the entire academic year on the assumption that the student will continue to meet the standards for the offer and remain eligible for the spring semester. Should a student's status change, the university will review and adjust the offer.

Each year, a returning student seeking either loans or need-based gift aid must re-apply for financial aid before a new offer will be made.

Financial Aid Satisfactory Academic Progress Policy

Process Overview and Responsibilities

The Code of Federal Regulations, title 34, sections 668.34 requires that an institution establish, publish, and apply reasonable standards for measuring whether a student is maintaining satisfactory progress in his or her course of study in order for the student to receive financial aid under a Title IV program of the Higher Education Act. Minnesota Statute 136A.101 Subd. 10 applies this federal Satisfactory Academic Progress regulation to Minnesota financial aid programs. Bethel University applies this federal Satisfactory Academic Progress regulation to institutionally-controlled financial aid programs.

All financial aid recipients must progress at a reasonable rate (“make satisfactory progress”) toward achieving a certificate or degree. This requirement applies to all terms, whether or not the student received financial aid.

Program of Study

Bethel's normal business practice is to require students to declare an intended degree (or approved certificate or licensure program). In addition, students must indicate specific components of their program, such as their intended major(s), minor, concentration and/or endorsement. Bethel assimilates each student's specific program components into a single, customized, program of study. Bethel does not attempt to list every possible combination of majors, minors, endorsements, licensures, etc. in the catalog. Rather, Bethel uses DegreeWorks [Dashboard (bethel.edu) (<https://degreeworks.bethel.edu/Dashboard/>)] to combine the specific course requirements of each component of the student's program (e.g. major one, major two, minor, endorsement) into a single set of courses which must be completed to earn the degree. The customized program of study is available to students, and their advisors, via the DegreeWorks degree audit program.

A student's program of study includes the graduation requirements for a student's primary degree type as well as additional majors, minors, concentrations, and endorsements declared by the student within the same degree type as displayed in Degree Works. Degree types include bachelor's degrees, master degrees, doctoral degrees, approved certificates, courses required for initial teaching licensure, a group of preparatory courses (e.g., courses needed for admission to another degree program), or an approved comprehensive transition program (e.g., BUILD). If students are pursuing dual degrees that are packaged as one program (e.g. Master of Business Administration and Doctor of Nursing Practice - MBA/DNP) all requirements for both degrees must be met before a degree is awarded; therefore, together they are considered the student's program of study.

Beginning with the 2020-2021 academic year the financial aid office used data generated from a student's DegreeWorks degree audit, rather than pulling data from academic catalogs, to (a) determine which courses can be included in the student's enrollment status, and (b) determine how many credits should be used to calculate Satisfactory Academic Progress maximum timeframe, and (c) determine when students complete their program requirements. [Refer to Bethel's Course Program of Study policy: Course Program of Study | Bethel University (<https://www.bethel.edu/financial-aid/eligibility/course-program-of-study/#Define>).]

Evaluating Financial Aid Satisfactory Academic Progress

Financial aid satisfactory academic progress evaluation begins six (6) days after the end of each term (fall, spring and summer) using three benchmarks: Qualitative Measure, Pace, and Maximum Timeframe.

Qualitative measure. Undergraduate and Bethel Seminary students must maintain a cumulative Grade Point Average (GPA) of at least 2.00. Graduate School students must maintain a cumulative GPA of at least 3.00. All undergraduate coursework is considered when calculating the cumulative GPA for undergraduate degrees. At the graduate level, cumulative GPA is calculated separately for Graduate School doctoral programs, Graduate School non-doctoral programs, Bethel Seminary doctoral programs, and Bethel Seminary non-doctoral programs.

Pace of completion. Students must progress through their educational program at a pace that ensures they will complete the program within the maximum timeframe. The pace is calculated by dividing the cumulative number of credit hours the student has successfully completed by the cumulative number of credit hours the student has attempted (beginning January 2017 results will be rounded to the nearest percent - for example, 66.49% is rounded to 66% and 66.50 is rounded to 67%). Students must successfully complete a minimum of 67% of their cumulative attempted credits (including any transfer credits, advanced placement or College Level Examination Program credit).

Maximum timeframe. Students are expected to complete their program within the normal time for completion (122 credits for a baccalaureate degree). However, there may be special circumstances, like a program change or an illness, that would prevent students from completing their programs of study within the normal time frame.

To accommodate these special circumstances, students may continue receiving aid until they either (a) complete graduation requirements for their program of study, or (b) attempt 150% of the number of credits (including transfer credits, advanced placement or CLEP credits) required for their program of study, or (c) reach the point where they cannot earn the number of credits necessary to complete their program of study within 150% of required credits for the degree, whichever comes first.

Students become ineligible for financial aid at the time that it is determined they are unable to complete their degree within the maximum timeframe. Transfer students who will transfer more than 50% of the credits needed for their program of study should request that only the credits that apply to their program of study be accepted by Bethel to ensure they do not exceed the maximum timeframe prior to completing their program of study, and therefore become ineligible for financial aid. The following table illustrates how the maximum timeframe calculation applies to various programs of study:

Program of Study	Maximum Time Frame
Undergraduate Certificate	18 x 1.5 = 27 semester credits
Associate's Degree	60 x 1.5 = 90 semester credits
Baccalaureate Degree	122 x 1.5 = 183 semester credits
Post-Baccalaureate Degree (BSN)	50 x 1.5 = 75 semester credits
Special Education Requirements for Academic Behavioral Strategist and Autism Spectrum Disorders licenses	53 x 1.5 = 79 semester credits
Bachelor of Science (Accounting and Finance)	150 x 1.5 = 225 semester credits
Bachelor of Science in Nursing, with minors in Psychology, Biology and Public and Community Health	179 x 1.5 = 268 semester credits
Master of Art (Counseling)	60 x 1.5 = 90 semester credits
Master of Business Administration	42 x 1.5 = 63 semester credits
Master of Divinity	78 x 1.5 = 117 semester credits
Doctor of Ministry (D.Min)	48 x 1.5 = 72 semester credits
Doctor of Education (Ed.D.)	61 x 1.5 = 92 semester credits

Treatment of Special Academic Course Situations

Audited and Enrichment Courses: Courses that are audited, or not eligible for academic credit, are excluded from Satisfactory Academic Progress calculations since they are ineligible for federal, state, or institutional financial aid programs.

Change of Majors: If students change majors, the credits earned under all majors will be included in the calculation of attempted, earned, and maximum timeframe credits, as well as the GPA calculation.

Concurrent enrollment in more than one of Bethel's schools: Students who are concurrently enrolled in more than one of Bethel's schools may receive more than one Financial Aid Satisfactory Academic Progress review each term. Students must be demonstrating satisfactory academic progress in every school they are attending. Failure to demonstrate satisfactory academic progress in any school will impact financial aid eligibility in all schools. For example, if as a result of not demonstrating financial aid satisfactory academic progress in the Graduate School a student's financial aid eligibility is

terminated, the student's financial aid eligibility is also terminated at Bethel Seminary, the College of Arts & Sciences, and the College of Adult & Professional Studies.

Consortium Courses: Consortium courses involve a "home" and a "host" school. The "home" school provides the academic credit, monitors Satisfactory Academic Progress, and provides financial aid. The "host" school provides the instruction for the designated course(s).

- When Bethel is the "Home" school, the credits are counted as "attempted" and "earned," as appropriate (depending on the student's grade in each course). All attempted credits count towards "maximum timeframe." The Office of the Registrar (<https://www.bethel.edu/registrar/>) maintains a list identifying whether or not the courses are included in the GPA calculation.
- When Bethel is the "Host" school, the credits are not counted as either "attempted" or "earned" at Bethel. Rather, the student's "Home" school is responsible to monitor Satisfactory Academic Progress for courses taken at Bethel under this type of consortium agreement.

Dropping or Withdrawing from a course: Courses that are dropped prior to the end of the 100% refund period, and are omitted from the student's transcript, are excluded from the SAP review. When a student withdraws from a course after the 100% refund period the course is included on the transcript, and is included in the cumulative credits attempted and in the maximum timeframe. (If a student fails or receives grades of unsatisfactory (U) for all courses attempted during the term, the financial aid staff determines if the student was enrolled for the entire period or unofficially withdrew from school.)

Earned Credits: For purposes of this policy, credits in which the student earns a grade of A, A-, B+, B, B-, C+, C, C-, D+, D, or S are considered "earned" credits, and are counted as both "attempted" and "earned" in the Pace calculation.

English as a Second Language courses: Bethel does not offer any ESL courses.

Incompletes: Courses assigned an incomplete grade are included in the cumulative credits attempted and in the maximum timeframe. These credits cannot be counted as earned credits until a satisfactory grade is assigned. Grade changes from incomplete to another grade are reviewed as part of the next term's Satisfactory Academic Progress evaluation.

Multiple majors and/or Dual Degree students: Students who choose to earn more than one major, or more than one degree, at the same time are subject to the maximum time limits of one degree (e.g., 183 credits for a baccalaureate degree).

NCAA Athletics: Students participating in National Collegiate Athletic Association (NCAA) Athletics must be making Satisfactory Progress toward their degree by NCAA rule. Students whose Financial Aid has been terminated are considered by Bethel University to no longer be making Satisfactory Progress toward their degree and are ineligible for competition in NCAA Athletics. Students who elect to appeal their Financial Aid termination remain eligible for competition while they are in the appeals process, and following a successful appeal. Please contact the Associate Athletic Director with questions about NCAA Athletics eligibility.

Preparatory coursework: Students qualifying for aid under federal preparatory coursework guidelines must meet normal Satisfactory Academic Progress Pace and Quality requirements. However, since they don't have a clearly defined program of study, and since they are allowed to borrow Direct Loans for up to one year, their Time to Completion limit is one calendar year, rather than 150% of their program of study.

Programs exempt from Financial Aid Satisfactory Academic Progress review: Some private educational loans and employer educational benefits are available to students who are not demonstrating satisfactory academic progress. Students should check with their employer, or private educational loan provider, to see if they must be demonstrating satisfactory academic progress as a condition of receiving these funds.

Students enrolled solely in academic programs that are excluded from eligibility for federal, state and Bethel-funded financial aid are not subject to the Financial Aid Satisfactory Academic Progress policy. For example, since no federal, state, or unfunded institutional funds are offered to Postsecondary Education Option students, they are exempt from the financial aid satisfactory academic progress review.

Prior to the summer 2013 term Seminary students in the Doctor of Ministry (D.Min.) program were exempt from financial aid satisfactory academic progress review because no federal or state funds were offered to D.Min. students. Beginning with the summer of 2013 D.Min. students are eligible for Title IV loans and must, therefore, meet minimum financial aid satisfactory academic progress standards.

Remedial Courses: Remedial courses are treated the same as non-remedial courses in evaluation of quality, pace, and maximum timeframe. Foundations for Academic Readiness courses are considered remedial courses.

Repeated Courses: Courses that a student is repeating are included when determining the student's enrollment status for Title IV purposes as long as the course is not a result of (a) more than one repetition of a previously passed course, or (b) any repetition of a previously passed course due to the student failing other coursework.

Repeated courses are always included in the cumulative credits attempted and maximum timeframe calculation. They are included in the GPA and cumulative credits earned calculations provided the grade for the repeated courses, and the original course, are both included in the GPA calculation.

Satisfactory/Unsatisfactory (Pass/Fail) grades: Some of Bethel's courses receive a grade of "Satisfactory (S)" or "Unsatisfactory (U)." These courses are not included in the calculation of GPA; they are counted as "attempted" credits. Courses with an "S" grade are considered "earned" credits. Courses with a "U" grade are not "earned" credits.

Beginning with the Spring 2020 semester students receiving only grades of Withdrawn (W), Satisfactory (S) or Unsatisfactory (U) will have their S/U grades included in the Satisfactory Academic Progress (SAP) Quality evaluation. To demonstrate Satisfactory Academic Progress, students must earn grades of Satisfactory (S) in 50% or more of their attempted credits. Students who earn grades of Satisfactory (S) in less than 50% of their credits are not meeting the Satisfactory Academic Progress Quality (GPA) standard.

- Students who were demonstrating financial aid Satisfactory Academic Progress prior to the Spring 2020 semester, and were enrolled for the spring 2020 semester, and whose spring 2020 courses were all graded as S/U, and who earned grades of Satisfactory (S) in less than 50% of their spring 2020 credits, will be placed on financial aid Satisfactory Academic Progress Warning for the next semester they are enrolled at Bethel.
- Students whose financial aid Satisfactory Academic Progress status was Warning, Terminated or on an Academic Plan prior to the Spring 2020 semester, and were enrolled for the spring 2020 semester, and whose spring 2020 courses were all graded as S/U, and who earned grades of Satisfactory (S) in less than 50% of their spring 2020 credits, will have their financial aid terminated due to failure to demonstrate financial aid Satisfactory Academic Progress.

Students who enroll in some courses with an S/U grading system and some courses with a letter grade system (A-F) will be evaluated based on their term and cumulative Grade Point Average.

Second Degree: Students may attempt up to 150% of the credits required for a subsequent program of study (183 credits for a baccalaureate degree, plus an additional 183 credits for a second baccalaureate degree). 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.).

Term: The financial aid office evaluates Satisfactory Academic Progress at the end of each regular quarter or semester. All terms of enrollment are counted for SAP, including terms in which a student did not receive financial aid.

Transfer credits: College level courses taken outside of Bethel before students received their high school diploma or G.E.D. (e.g., CLEP, PSEO, AP) are treated as transfer credits. (Postsecondary Enrollment Options credits attempted at Bethel are treated the same as other courses taken at Bethel after receiving a high school diploma.) Transfer credits are included as both “attempted” and “completed” credits when measuring Pace, and are included in the maximum timeframe calculation. 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 program of study included in the maximum time frame calculation.

Failure to Meet Minimum SAP Standards

Students who are not meeting the minimum Satisfactory Academic Progress standards will be placed on Financial Aid Warning status. Following a Warning term, students who are still not meeting the minimum Satisfactory Academic Progress standards become ineligible for financial aid, and will have their financial aid eligibility terminated.

For the Spring 2020 semester only, the University made a mid-semester grading change, defaulting many courses from a letter grade (A-F) to a Satisfactory/Unsatisfactory (S/U) grading system. Students who were on Financial Aid Warning due to low grade point average for the spring 2020 semester, and had their courses' grading system changed from letter grades to S/U grades, will continue on Financial Aid Warning for their next semester, provided they earned Satisfactory (S) grades in at least 50% of their Spring 2020 attempted credits.

Financial aid warning: (formerly referred to as Financial Aid Probation). Financial aid warning is a status assigned to a student who fails to make financial aid satisfactory academic progress at an institution that evaluates academic progress at the end of each term. The financial aid warning status lasts for one term. If after the financial aid warning term, the student is not demonstrating financial aid satisfactory academic progress, the student becomes ineligible for financial aid (financial aid terminated).

Financial Aid Terminated: Financial Aid Terminated is a status assigned to students who have lost their financial aid eligibility due to failure to demonstrate financial aid satisfactory academic progress. Students whose financial aid eligibility has been terminated may appeal the termination.

Financial Aid Warning: Financial Aid Warning is a status assigned to students who fail to make financial aid SAP at an institution that evaluates academic progress at the end of each term. The Financial Aid Warning status lasts for one term. If after the Financial Aid Warning term the student is not demonstrating financial aid SAP, the student becomes ineligible for financial aid (Financial Aid Terminated).

Financial Aid Terminated: Financial Aid Terminated is a status assigned to students who have lost their financial aid eligibility due to failure to demonstrate financial aid SAP. Students whose financial aid eligibility has been terminated may appeal the termination.

Appeal of Financial Aid Termination

Students who fail to meet financial aid SAP standards and lose financial aid eligibility can appeal this decision. This appeal form (<https://www.bethel.edu/financial-aid/forms/sap-appeal-form.pdf>) must be submitted to the Office of Financial Aid (<https://www.bethel.edu/financial-aid/>) within 7 calendar days

of the date on the notification letter or email and should be accompanied by appropriate supporting documentation..

Appeals must be submitted to the Office of Financial Aid within seven (7) calendar days of the date on the notification letter or email. However, the final deadline for submitting an appeal is no later than four weeks prior to the end of the semester for which you wish to receive financial assistance (with all supporting documentation). Appeals will be evaluated by a cross-departmental committee. Appeals must explain why the student failed to make SAP, and what has changed to resolve the issue(s) that prevented the student from demonstrating SAP. Acceptable reasons for appeal may 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. Students who cannot demonstrate financial aid SAP within one term will be required to submit an Academic Plan as a part of their appeal.

Financial Aid Probation: (formerly referred to as Financial Aid Probation on Appeal). Financial aid probation is a status assigned to a student who has successfully appealed the termination of financial aid due to failure to demonstrate financial aid satisfactory academic progress. Students on Financial Aid Probation may receive financial aid for one term.

Financial Aid Academic Plan Probation: If it is impossible for the student to meet the minimum Satisfactory Academic Progress standards after one term, then the institution and the student may agree upon an Academic Plan to monitor the student's academic progress for more than one term. The institution will use the Academic Plan as the benchmark for satisfactory academic progress for the length of time specified in the Academic Plan. Students who fail to fulfill the requirements of the Academic Plan become ineligible for financial aid.

College of Arts & Sciences will work with staff in the Academic Enrichment Studies Center (AESC) to develop Academic Plans. College of Adult & Professional Studies, Graduate School and Seminary students will work with the Student Success staff to develop Academic Plans. Once completed, the Academic Plans are submitted to the Financial Aid Office for review and implementation.

Student Notification

Students who are not meeting the minimum financial aid SAP standards will be notified by the financial aid office of their Warning or Termination status. Students who submit an appeal will be notified by the financial aid office of their Financial Aid Probation, Financial Aid Academic Plan Probation, or Financial Aid Termination status. Students whose financial aid status had been at a Warning, Probation, Academic Plan Probation, or Terminated status, but are meeting minimum SAP standards when reviewed, will be notified of the change in their status.

Students who graduated during the term that is being reviewed for SAP and are not registered for the subsequent term will not be notified of changes in satisfactory academic progress status.

Regaining Eligibility

Students whose financial aid was terminated due to lack of Satisfactory Academic Progress may choose to enroll without benefit of financial aid. 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 Financial Aid if they have any questions about this policy, the appeal process, or reinstatement of financial aid eligibility.

Interpretation and Enforcement

The Director of Financial Aid will have primary responsibility for the interpretation and enforcement of this policy.

Financial Aid Criteria

Enrollment Level

Students are offered financial aid on the assumption that they will maintain a full-time course load. Those who take less than a full course load (or drop below full time during the semester) will have their gift aid pro-rated.

Exit Counseling

All Direct Subsidized and Unsubsidized loan borrowers and TEACH grant recipients who graduate, withdraw, transfer to another school, or drop below half-time attendance must complete an exit session. During this session borrowers are informed of their rights and responsibilities, including repayment options for student loans.

Transfer Students

Transfer students will be considered for financial aid on the same basis as entering freshmen. Former students who have taken coursework at another school and then return to Bethel will be considered for financial aid on the basis of their previous Bethel record.

Citizenship

Students who are not citizens or permanent residents of the United States will be considered for financial assistance on the basis of the Declaration of Finances form. In some cases a statement of financial status from the student's pastor or pertinent information provided by a missionary will be necessary to help determine the possibility of coming to the United States. International students who do not qualify to apply for federal aid are eligible only for the academic scholarships, 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 program. This policy may be obtained from the Office of International and Off-Campus Programs (<https://www.bethel.edu/undergrad/academics/study-abroad/>) or the Office of Financial Aid.

Changes in Financial Aid Programs

From time to time changes are made in the availability of scholarships, grants, and loans. It is recommended students contact the Office of Financial Aid for up-to-date information.

Tuition and Payment Options

Full payment or enrollment in the 5-Month Semester Payment Plan is required by August 25, 2024, for the fall term and January 25, 2025, for the Spring term. The bill may include, but is not limited to: tuition, room, meal plan, student activity fee, course fees, music lessons, health insurance, parking permits and commuter fees. Students are responsible for payment reaching the Business Office (<https://www.bethel.edu/business-office/>) when due, regardless of the source of payment. Payment must be received in U.S. dollars. If loans are needed to help meet a financial obligation, students may apply for them through the Office of Financial Aid (<https://www.bethel.edu/financial-aid/>). Loan applications should be made well in advance for the funds to be disbursed by the beginning of the term. All students enrolled in the Fall term are required to complete their Enrollment Checklist by August 25, 2024. For Spring term, all incoming (new students only) are required to complete their Enrollment Checklist by January 25, 2025. If the Enrollment Checklist has not been completed by the dates above, a \$200 fine will be assessed on the student account. Enrollment for succeeding terms is dependent on payment of the previous term's expenses. A late payment fee of \$25 will be assessed if a payment is made after the due date. A late fee of \$10 per month will be assessed on charges more than 30 days past due.

Payment Options

Full Payment (Option 1)

Full payment for **Fall semester** is due **August 25, 2024**.

Full payment for **Spring semester (including January session)** is due **January 25, 2025**.

Full payment for **Summer term** is due **May 25, 2025**.

5-Month Semester Payment Plan (Option 2)

Students have the option to enroll in the 5-Month Semester Payment Plan. Enrollment in the payment plan and payment of the first installment are required prior to the beginning of each semester. See these important enrollment dates below.

Fall Semester Payment Plan

Enrollment in the fall payment plan is available beginning on approximately July 10, 2024. **The deadline to enroll in the payment plan and pay your first installment is August 25, 2024.** The remaining installment payments for fall are due on September 25, October 25, November 25, and December 25.

Spring Semester Payment Plan

Enrollment in the spring payment plan is available beginning on approximately January 4, 2025.

The deadline to enroll in the payment plan and pay your first installment is January 25, 2025. The remaining installment payments for spring are due on February 25, March 25, April 25, and May 25.

The 5-Month Semester Payment Plan is for all charges on the student account. Enrollment in the payment plan is elected online on a semester-by-semester basis, with payments spread out over the semester. The enrollment fee is \$30 per semester. The monthly payment amount is recalculated each time there is a new transaction posted on the account. Therefore, monthly payment amounts may differ. You will be notified by email each time your payment amount changes. If a student does not stay current on their monthly installment payment(s), they may be removed from the payment plan. If removed from the plan, a registration hold will be placed on the student account if the balance is \$2,000 or more. If a payment is made late, a \$25 late payment fee will be assessed. Also, a late fee of \$10 will be assessed each month for any unpaid balance on the account. (Please note: payment plans are not offered for summer term).

Visit bethel.edu/business-office/payment-plans/undergrad for more payment plan information.

Online Monthly Statements

Around the 27th of each month, an email will be sent to the student's Bethel email address alerting them that the monthly statement is available to view with a link to access the statement. Monthly statements will not be mailed to the home address. Students are responsible for forwarding monthly statement information to parents or others who are helping to pay their bill.

To view online monthly statements:

MyBethel > My Statements and Finances (<https://my.bethel.edu/home/?channel=9283acd48c5865135c23fb9d31e4d738>) > Make a Payment > Statements

Ways to Make a Payment

Students can view their account, enroll in a Semester Payment Plan, and pay online through **MyBethel** > My Statements and Finances (<https://my.bethel.edu/home/?channel=9283acd48c5865135c23fb9d31e4d738>) > Make a Payment. This will direct you to the

Touchnet/Bill-Pay site. To make a payment click "Make Payment" and follow the prompts. To enroll in a Semester Payment Plan click "Enroll in payment plan" and follow the prompts.

- **Online by electronic check:** Authorize automatic withdrawal from your checking or savings account with no fee.
- **Online by credit card:** MasterCard, Visa, American Express, or Discover with a non-refundable fee of 2.95% or \$3 minimum, charged by PayPath (processing service)
- **Online Wire Transfer:** Use the Touchnet/Bill-Pay site and select the "Bank Wire" payment method (service is provided by Western Union).
- **In person:** Pay by check or money order at the Business Office (Anderson Center, 5th Level), 9 a.m. - 4:00 p.m., M-F. Please note: credit cards are accepted online only.
- **Drop Box:** Located near the entrance of the Campus Store (items in the drop box will be delivered to the Business Office one time per business day)
- **Mail a check:**
Bethel University, Business Office
3900 Bethel Drive
St. Paul, MN, 55112-6999
Please include the student ID number in the memo portion of the check.

Enrollment Checklist

All students enrolled in the fall term are required to complete their Enrollment Checklist by August 25, 2024. For Spring term, all incoming (new students only) are required to complete their Enrollment Checklist by January 25, 2025. If the Enrollment Checklist has not been completed by these dates, there will be a \$200 fine assessed on the student account.

To view the Enrollment Checklist, go to: [My Bethel > Checklist](#)

Late Fees

A late fee of \$10 per month will be assessed on any charges more than 30 days past due.

Registration Hold

Registration for classes in succeeding terms is dependent on payment of the previous term's expenses. A student whose account is in arrears will have a registration hold on the account and will not be permitted to register for the subsequent term.

Any student who pays an outstanding balance by check will have their registration dropped (for future terms) if the check is returned from the bank due to non-sufficient funds. The student will not be permitted to re-register until full payment is received. If repayment is made via check, registration will be granted in ten business days.

Any student in good standing on a payment plan (current on their monthly payments) will be allowed to register for future terms. If the student fails to pay their remaining monthly installments, their registration may be dropped.

Be advised that students whose registrations have been dropped have no guarantee that the same course(s) will be available when they attempt to re-register.

Finance Clearance for Graduation

A student will not receive their diploma until all financial obligations have been met.

Financial Suspension

Bethel reserves the right to suspend a student from a program, course(s), housing, and meal plan if there is failure to provide full payment on the student account when due. Any student who is financially suspended during a semester will be withdrawn from their classes, removed from their meal plan, and required to move out of Bethel housing.

Past Due Accounts

The following paragraphs apply to all students:

Default: I will be in default if: I fail to pay the total amount payable when due, any scheduled payment under either a semester payment plan or installment plan, or any other fee (which may include, but are not limited to, charges such as parking fines, library fees, other charges for violations of Bethel University policies, or any other amount billed to my student account) by the 25th day of the month following the month in which I am sent billing notice.

Failure to pay due to the following situations will not exempt me from entering default:

- withdrawal from Bethel University (whether voluntary or involuntary),
- insufficient funds in an account from which my payment was drawn (or similar circumstances),
- change of address without notifying Bethel University in writing,
- providing to Bethel University any false or misleading information,
- a case under U.S. Bankruptcy Code is started by or against me or any guarantor or cosigner.

If I am in default, Bethel University may require immediate payment of my Obligation in full along with any unpaid fees. If Bethel University demands immediate payment and I fail to comply, I agree that Bethel University may add my unpaid fees to my Obligation. If any payment is not paid in full by the 25th day of the month following the month in which it was due, I agree to pay Bethel University a default charge of six percent (6%) of the unpaid and past due amount of my Obligation. In addition, Bethel University may prohibit me from scheduling courses for the current or following semester; remove me from current courses; withhold course credits, academic transcripts, and my diploma without prior notice until the Obligation is paid in full. Bethel University may also exercise any other legal rights it may have, including engaging a collection agency to enforce its rights hereunder or taking legal actions to collect amounts due to it. In the event Bethel University incurs expenses collecting my Obligation, I agree to pay all reasonable attorneys' fees, legal expenses, and collections fees that result from my default (unless prohibited by law) at the rate of twenty-two percent (22%) of the unpaid Obligation. Even if I am in default, Bethel University may or may not require immediate payment, and may delay enforcing any of its rights without waiving them.

Non-Sufficient Funds

If payment is returned from the bank for non-sufficient funds, a \$25 returned check fee will be assessed on the student account. Any student (or parent/guardian) who has two checks returned due to non-sufficient funds will not be allowed to make future payments by personal check.

Enrollment Deposit

A one-time enrollment deposit of \$300 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: Postsecondary Enrollment Options (PSEO) program students, summer school students, or consortium visitors.

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 January Session tuition. See the Office of International and Off-Campus Programs (<https://www.bethel.edu/international-studies/>) for a list of Bethel-sponsored off-campus programs.

Postsecondary Enrollment Options Program (PSEO)

Students participating in the PSEO program at Bethel are not responsible for paying the enrollment deposit, tuition, Student Activity fee, course fees (with the exception of private music lessons), and books. Fees for enrollment, tuition, the Student Activity fee, and applicable course fees will appear on the student account and then the charges will be credited (reversed) on the account. PSEO students are responsible for the following, including but not limited to: room, meal plans, campus store charges, library fines, traffic fines, and trip expenses (when the trip experience is not required in order to earn credit). Specific questions regarding the PSEO program should be directed to the Office of Admissions (<https://www.bethel.edu/undergrad/admissions/>).

Refunds and Withdrawals

Students who withdraw from classes during the term may be eligible for a refund. There are two types of refunds: billing refunds (tuition, room, meal plan, etc.) and financial aid refunds. A billing refund credits funds to the student 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 seeking to withdraw from all classes at Bethel must notify the Office of Student Life (<https://www.bethel.edu/undergrad/student-life/>). This date of notification will serve as the student's withdrawal/stop-out date. The student will be provided with a packet of information regarding the withdrawal and stop-out processes and will be scheduled for a withdrawal/stop-out interview with one of the student life deans. Students are asked to read through all materials provided in the packet in advance of their interview with the dean. Once the interview is complete the dean will process the student's withdrawal/stop-out.

Tuition and Housing Refund Schedules

Full Refund Period:

The full refund period is the eighth calendar day after the beginning of the semester. Modular courses, which begin after the first week of the semester and/or end before the final week of the semester, also have a 100 percent refund period through the eighth calendar day of the course.

Full Refund:

Students are entitled to a 100 percent refund of institutional charges and monies paid to their student accounts provided they withdraw from the course(s) before the end of the Full Refund Period.

Pro-Rata Refund:

Students who withdraw after the Full Refund Period receive a pro-rata refund of institutional charges up to and including 50% of the enrollment period. The percentage of institutional charges and financial aid retained on the student's account is equal to the percentage of the period of enrollment that was completed.

No Refund:

Students who withdraw after the end of the pro-rata refund period are not eligible for a refund. There shall be no refund available to the student if the student withdraws after completing more than fifty (50) percent of the enrollment period.

The Bethel Student Activity fee, course fees, science lab fees, and nursing department fees (if applicable) are refunded in full through the 100% refund period. Thereafter, there is no refund of the fees.

Students who withdraw from Bethel or drop below full-time status may incur additional tuition and housing costs for January session. Please see the “Student Costs” section or contact the Bethel Business Office (<https://www.bethel.edu/business-office/>) for additional information.

Students with a meal plan who officially withdraw or choose to cancel their meal plan must notify Dining Services (<https://www.bethel.edu/dining-services/>) at dining-services@bethel.edu. A student may receive a prorated refund of their meal plan.

Account Questions?

More student account information is available at [bethel.edu/business-office](https://www.bethel.edu/business-office/) (<https://www.bethel.edu/business-office/>).

Contact the Business Office (<https://www.bethel.edu/business-office/>) at 651.638.6208 or at business-office@bethel.edu.

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 and third-party funds.

Students who withdraw from all classes during the 100% tuition refund period are presumed to have not attended their classes. These students will receive a full refund of all their financial aid unless they complete a Supplemental Withdrawal Form (available in the Office of Student Life (<https://www.bethel.edu/undergrad/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%) refund of tuition, they are ineligible for any state, institutional, or private sources of financial aid.

- 1. Federal (Return of Title IV Funds) Refund Policy.** If a student withdraws or is expelled from Bethel after a term has begun, the school or the student may be required to return some of the federal funds awarded to the student.
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, TEACH Grant, Perkins Loan, Direct Subsidized Loan, Direct Unsubsidized Loan, or Direct PLUS Loan and withdrew on or before completing 60% of the term. Students retain funds earned through the Federal Work Study Program prior to withdrawing from Bethel.
For semester-long courses 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. For modular courses (e.g., January session), the same principle applies that students earn federal financial aid based on the percent of their enrollment period, but the number of course days in the numerator and denominator only includes days for courses the student is registered to attend when the withdrawal is initiated.
- 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 the Minnesota Public Safety Officer's Survivor Grant Program, Minnesota GI Bill, Minnesota State Grants, and Minnesota SELF loans. After applying Bethel's "billing refunds" and the "Return of Title IV Funds" refund calculations to the student's account, a proportionate share of the state aid is refunded. Students who withdraw during a 100% tuition refund period are not eligible for any Minnesota state 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. Private educational loans are first used to pay any remaining balance on the student’s account. If, after all refund calculations, there is a credit on the student’s account, a portion of the private loan may be refunded to the lender.

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 before officially withdrawing from the university.

Suppose a first-year student is enrolled full time and withdraws from all classes on the 10th day of a 110-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 owe \$717.88.

Sample Refund Calculation (Student withdraws from all 15 credits on 10th day of classes.)

Institutional Charges	Original	Refund	Refund	Net Charges
Tuition	\$22,025	90%	(\$19,822.50)	\$2,202.50
Room	\$3,150	90%	(\$2,835.00)	\$315.00
Meal Plan: Navy A	\$2,940	90%	(\$2,646)	\$294
Student Activity Fee	\$88	0%	0	\$88
Class Fee (e.g., Lab)	\$85	0%	0	\$85
Total Charges	\$28,288		(\$25,303.50)	\$2,984.50

Financial Aid and Cash	Original	Refund	Refund	Net Payments
Federal Direct Loan	(\$2,750)	-100%	\$2,750	\$0
Federal Pell Grant	(\$3,175)	-78%	\$2,476.50	(\$698.50)
Minnesota State Grant	(\$3,248)	-89%	\$2,890.72	(\$357.28)
Bethel Royal Merit Scholarship	(\$7,500)	-90%	\$6,750	(\$750)
Bethel Grant	(\$3,025)	-90%	\$2,722.50	(\$302.50)
Private Scholarship	(\$500)	-0%	\$0	(\$500)
Total Financial Aid	(\$20,198)	-87%	\$17,590	(\$2,608.28)
Cash Paid	(\$3,000)	0%	0	(\$3,000)
Total Payments on Account	(\$23,198)		\$17,589.72	(\$5,608.28)

Summary	Original Bill	Refund	Revised Bill
Total Charges	\$28,288	(\$25,304)	\$2,984.50
Total Payments on Account	(\$23,198)	\$17,589.72	(\$5,608.28)
Difference	\$5,090	(\$7,714)	(\$2,623.78)

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 Financial Aid (<https://www.bethel.edu/financial-aid/>) each fall. Further information may be obtained from the Office of Financial Aid.

Abens Family Scholarship

This scholarship is given annually to a student majoring in biblical and theological studies 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 a professor in his/her major. This is not a need-based scholarship. (EAA002)

Accenture Scholarship

This scholarship is awarded to a junior majoring in computer science, mathematics, physics, business, or economics who is interested in a career in business and technology consulting. (EAA007)

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)

Paul and Laura Ackerman Family Scholarship Fund

This scholarship is given annually to a Bethel student whose parent is in full-time Christian ministry, demonstrates financial need, and maintains a cumulative 3.0 GPA. The scholarship is renewable provided the recipient meets the criteria and is making satisfactory progress toward graduation. It is given out of gratitude for the positive influence Bethel has had on the Ackermans' extended family. (EAA003)

Theodore J. Adams Memorial Endowment

This award is a memorial to Theodore Adams, a business entrepreneur whose strength of faith and character were evident in all he did and in the

relationships on which his family and business were built. College of Arts & Sciences students in financial need are eligible. (EAA222)

Alumni Math Scholarship

This scholarship is given to a College of Arts & Sciences sophomore who is a math major and shows promise. (EAA005)

Alumni of the Year Scholarship Fund

This endowed scholarship was established in honor of past Alumni of the Year awardees and their families, to assist worthy students who reflect the core values of Bethel: being Christ-Followers, Character-Builders, Truth-Seekers, Learners, Reconcilers, Salt and Light, and World-Changers. This scholarship will be awarded to a junior or senior with tremendous potential, solid character and a great attitude, one who is ready to make a mark on the world. The purpose of the scholarship is to award a student who might not be the "obvious choice," but to award it to a student that needs encouragement and inspiration. Our desire is to help them continue to make contributions to their field of study, trust God on the path He has set for them, and then go on to impact their community for Christ. (EAA273)

Royal Alumni Scholarship

This scholarship is awarded to Bethel University students in the College of Arts & Sciences who demonstrate financial need. (EAR226)

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)

A. Dwight and Dorothy E. Anderson Mathematics-Physics Award

This scholarship was established by Dwight and Dorothy Anderson to continue their concern for students at the College of Arts and Sciences. It is to be awarded to a student entering his or her senior year majoring in mathematics or physics (to include math education majors) with a GPA of 3.0 or greater and recommended by the Mathematics or Physics Departments. (EAA289)

Anna Anderson Memorial Scholarship

An annual scholarship is given from the estate of Anna Anderson of Topeka, Kansas, to a student

of good scholastic standing who evidences leadership in campus activities. (EAA008)

B. Laverne Anderson Memorial Scholarship

This scholarship is given in memory of Laverne - Anderson to children of Converge Worldwide (BGC) missionaries who are attending Bethel University. (EAA011)

Charlotte Anderson Nursing Scholarship

This scholarship is awarded to nursing majors who demonstrate financial need. (EAA009)

Dr. and Mrs. Karl W. Anderson Memorial Scholarship

This scholarship is established in memory of Dr. and Mrs. Karl W. Anderson and is awarded to pre-medical students at Bethel University. (EAA010)

Ralph H. Anderson Engineering Scholarship

This scholarship, given to honor Ralph H. Anderson, is awarded to new or returning students pursuing the study of engineering and/or applied physics in the College of Arts & Sciences at Bethel University. Preference is given to students residing in Chicago, Illinois or the surrounding Illinois counties of Cook, Will, DuPage, and Lake, and to students pursuing mechanical engineering. The recipient of this scholarship will honor Anderson's memory by pursuing excellence, following Christ, and living out Christian faith. Anderson, a disabled veteran of World War II and a resident of Chicago, overcame many obstacles, trusted Christ, and provided amply for his family and many charities. He would encourage those receiving scholarships from the endowment to learn, grow, and serve in the name of Christ. (EAA236)

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)

Wilford A. Anderson Mechanical Engineering Scholarship

This scholarship was set up in honor and memory of Wilford A Anderson, a mechanical engineer, businessman, entrepreneur, inventor, and former Bethel Trustee. It is awarded to a student in the College of Arts & Sciences majoring in engineering with financial need. First preference shall be given to a sophomore or above student pursuing a degree in Mechanical Engineering.

Other considerations in order of preference include Christian commitment demonstrated by active church involvement, interest in practicing mechanical engineering, and employment at least part-time. (EAW328)

Arlander Memorial Scholarship

This scholarship is for students who demonstrate financial need and who have demonstrated initiative in earning a portion of their college expenses. The students must also have high academic standing and a Christian purpose. (EAA014)

Robert and Violet Atkins Memorial Scholarship Fund

This scholarship is in memory of Robert and Violet Atkins and is given to students majoring in nursing who demonstrate need and Christian character. (EAA266)

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)

Jay and Barbara Barnes Science Research Scholarship Fund

In recognition of their lives of service to young people, their servant-leadership in education, their recognition of the value of mentoring by faculty, their loyalty and devotion to the cause of Christ and Christ-centered higher education, this scholarship will be awarded to students in the College of Arts & Sciences with financial need who are rising juniors or students in their junior year who exhibit Christian character and who are doing research in partnership with a faculty member in physics, biology, or chemistry. (EAB308)

Marilyn H. Batterman Memorial Nursing Scholarship

The Marilyn H Batterman Memorial Nursing Scholarship is awarded to three students in the College of Arts and Sciences who are majoring in nursing and demonstrate need. Students

must be accepted into the nursing department, maintain a GPA of at least 3.0. The award is renewable for up to two years providing the students provide evidence verifying satisfactory performance during the prior year as a fulltime student. (EAB309)

Gordon Bear Memorial Social Work Scholarship

This scholarship is awarded to a student majoring in social work. Preference is given for a student who demonstrates financial need. (EAB017)

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)

Steve and Kelley Bergeson Scholarship

This scholarship is awarded to students in the College of Arts & Sciences with financial need who are studying to become a medical doctor or dentist who exhibit strong academics and a vibrant faith, who also demonstrate a commitment to increasing opportunities for members of underrepresented groups, breaking down stereotypes, and enabling others to better understand persons of different races or ethnicities. (EAB0311)

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, Oregon. Usually it is given to a student in the College of Arts & Sciences who demonstrates financial need and is recommended from the Temple Baptist Church congregation. If none recommended, it may

be given to a student that attends a Converge church. (EAB002)

Fred and Retha Berndt Scholarship

In honor of Fred and Retha Berndt, this scholarship is given to worthy College of Arts & Sciences students who are studying to become teachers. (EAB256)

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 history. (EAB022)

Hazel and George Berquist Memorial Scholarship

This scholarship is provided in memory of this loving, generous couple to provide assistance to undergraduate and seminary students from the Midwestern states of the United States (excluding Minnesota). The students must be members of a Converge Worldwide (BGC) church and demonstrate financial need. (EAB021)

Kaitlin Beske Scholarship Fund

In memory of Kaitlin Beske and her lifelong interest in helping people and education, her loyalty and devotion to the cause of Christ, this scholarship shall be awarded to assist students with financial need who are majoring in Psychology. (EAB307)

Bethel Golf Scholarship

This scholarship was endowed through funds raised through the Bethel Golf Classic and is awarded to students who demonstrate financial need regardless of their major. (EAG069)

Bethel University Scholarship Endowment (CAS)

This scholarship is awarded to Bethel University students in the College of Arts & Sciences who demonstrate financial need. (EAB001)

Donald C. and Jo G. Bishop Scholarship Fund

This scholarship is awarded to business and economics majors who are at least in their sophomore year. (EAB024)

David M. and Sadie L. Blomberg Missionary Kid (MK) Scholarship Fund

In recognition of the important contribution students from missionary families make to Bethel University, the Blomberg Missionary Kid (MK) Scholarship Fund provides an award to children of missionaries who have lived in a country

other than the United States. This award is made without regard to financial need. . (EAB031)

Meryllyn Blomgren Memorial Scholarship

An annual scholarship established in memory of Meryllyn Blomgren by her family and friends is awarded to a student who demonstrates academic achievement. (EAB025)

Gust and Dagny Bohlin Memorial Education Scholarship

This scholarship is awarded in memory of Gust and Dagny Bohlin to Bethel University students who demonstrate financial need and who are preparing to become teachers. (EAB023)

Mable Elsie and Ernest Eugene Bonar Voice Scholarship

This scholarship has been established by Alson Toavs in memory of his maternal grandfather and grandmother. It is awarded to a junior or senior vocal major to assist with the cost of lessons. (EAB026)

Dr. John D. Bower Social Work Leadership Scholarship

This endowed scholarship is established in honor of Dr. John D. Bower, chair of the Bethel social work department from 1978-2005. It is primarily funded by longtime friends Dr. J. Richard and Karen Burton, along with alumni and friends of Bethel's social work program. Recipients will be chosen based on their good standing in the social work program and their interest in developing leadership skills. Dr. Bower's varied accomplishments and recognitions include initial CSWE Accreditation of the Social Work Program, president of the National Association of Social Work (NASW-MN Chapter), and Social Worker of the Year. (EAB242)

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)

Kenneth and Ruth Brown Memorial Music Scholarship

This scholarship is given in memory of Kenneth and Ruth Brown to College of Arts & Sciences students taking private music lessons who demonstrate financial need. (EAB248)

Brushaber Leadership Awards

Given in recognition of Ralph E. and Marie C. Brushaber for their lifelong interest in young people and education, this scholarship is given to assist worthy Bethel University students in the College of Arts & Sciences who demonstrate financial need, show high academic potential, demonstrate leadership capacity, give evidence of serious reflective Christian commitment, and who are involved in their local church. Incoming students are given priority and the scholarship is renewable if criteria continue to be met. (EAB253)

Ralph and Marie Brushaber Memorial Scholarship (Christian Service)

These awards are given to students 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. (EAB032)

Ralph and Marie Brushaber Memorial Scholarship (Music)

These awards are given to students in a Bethel music ensemble 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)

Rev. C. Walter and Jeanette Bunger Scholarship for Innovation

This award is given in honor of Rev. C. Walter and Jeanette Bunger. Walter, a BGC minister, taught his son to question life and be objective—creating in him a spirit of inquisitiveness and innovation. The recipients of this award will be those who are inquisitive and demonstrate a capacity for innovation to promote research-mindedness and objective thinking. It is not limited to any particular discipline; majors may be in the arts, sciences, theology, or other academic majors. (EAB221)

Vernon W and Ara W Bursch Scholarship

Ara attended Bethel for two years. Because of the meaningful and faith-filled experience she had, she bequeathed this scholarship to be given to a student in the College of Arts and Sciences.. (EAB326)

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)

The Carlson Family Business Scholarship

This scholarship was established by Chris and Debbie Carlson as testimony to Bethel University's impact on their family. It is to be awarded to a student with financial need in their junior or senior year who is majoring in business. Preference is given to students with entrepreneurial career aspirations who have demonstrated interest, passion, or experience in starting their own business. (EAC292)

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)

G. William Carlson Memorial Scholarship

This scholarship has been established in memory of the life and work of Dr. G. William Carlson – or G.W., to most. He was a 1965 graduate of Bethel, professor in the history and political science departments for 44 years (1968 to 2012), served on the St. Paul school board from 1986-1996 – and was an encouragement to students to accept Christ as Savior, cultivate a Christian spiritual journey, be lifelong learners and be deeply committed to service. Scholarships in the amount of \$1,500 per student are given annually to qualified history or political science majors with financial need and whose cumulative GPA is 3.0 or higher. (EAC034)

E. W. Ceder Memorial Fund for Music Scholarship

This scholarship is awarded to worthy students studying music in the College of Arts & Sciences at Bethel University who demonstrate need. (EAC038)

Central Baptist Scholarship

This scholarship was established by Central Baptist Church of Sioux Falls, South Dakota, to provide incentive and assistance for qualified College of Arts & Sciences students from the church. (EAC005)

Chemistry Student Award Endowment

This scholarship is awarded to students who are majoring in chemistry. (EAC006)

Shirley Christenson Scholarship in Elementary Education

In honor of Shirley Christenson's life which impacted many young people through her 40-year teaching career, this scholarship is given to a student with financial need in the College of Arts & Sciences studying elementary education.. (EAC333)

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 and 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. (EAC203)

Class of '58 Scholarship

This award is presented on behalf of the Class of 1958 as an outward display of their loyalty, interest in educating young people, and continued devotion to the cause of Christ. An award is given to students in the College of Arts & Sciences who demonstrate financial need. (EAC215)

Class of '63 Scholarship

This scholarship is given to a deserving Bethel - University College of Arts & Sciences student. (EAC044)

Class of '64 Scholarship

This award is presented on behalf of the members of the Bethel University Class of '64 to an upperclassman (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 1967 Scholarship

The Class of 1967 gives an award to a worthy Bethel University student in the College of Arts and Sciences that demonstrates financial need. (EAC0280)

Class of 1970 Scholarship

This scholarship is sponsored by the Class of 1970 and is awarded to Bethel University College of Arts & Sciences incoming or transfer students who demonstrate need. (EAC233)

Class of 1972 Scholarship

The Class of 1972 gives an award to a worthy Bethel University student in the College of Arts and Sciences that demonstrates financial need. (EAC278)

Class of '76 Award

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

Coleman-Dunkerken Scholarship

This scholarship will be awarded to qualified College of Arts and Sciences students who are planning to pursue Christian ministry vocation with first preference to students from the Southern California - San Diego geographic region. (EAC0335)

Communication Scholarship

This scholarship was established to encourage communication studies majors. It is awarded to two seniors majoring in communication studies, 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)

Donald M. Constable Scholarship Fund

This scholarship is in memory of Donald M. Constable and is given to worthy junior or senior

Bethel University students in the College of Arts & Sciences who major in business, with a preference for those with an emphasis first in finance, then in accounting. Students must have a GPA of 3.2 or higher on a scale of 4.0 to qualify. Students must demonstrate financial need. (EAC225)

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)

Deubener Juenemann Students of Color Scholarship

This scholarship is given by the Deubener Juenemann Foundation to undergraduate students of color who demonstrate financial need. (EAJ103)

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 who demonstrate interest and proficiency in biblical and theological studies and who are preparing for full-time Christian work. (EAD049)

Dwyer Nursing Endowment

In recognition of William and Ruth Dwyer's interest in encouraging nursing as a professional career and through gifts from the Banner Health System, this fund awards worthy students who are pursuing a career in nursing. First preference is given to incoming students, then to continuing students. (EAD050)

Donald A. and Nadine F. Dye Scholarship

Awarded in honor of Donald and Nadine Dye to students with financial need who regularly attend a Converge Worldwide (BGC) church. (EAD219)

Esther V. Eastlund Memorial Scholarship

Each year a scholarship is given from the estate of Esther V. Eastlund to a worthy student

studying for the ministry or for missionary work. (EAE051)

Sagrid E. Edman Undergraduate Nursing Scholarship

Established in honor of Dr. Edman, founding chair of the Bethel University nursing program in 1981 and chair of the Department of Nursing until her retirement in 1997, the fund assists worthy nursing students in the undergraduate nursing program. Selected by the nursing faculty, recipients are seniors who best exemplify excellence in clinical nursing practice, Christian care, and compassion; 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 an instrument 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)

Violet Englert Scholarship

This scholarship is awarded to Bethel University College of Arts and Sciences students majoring in education who demonstrate financial need. (EAE268)

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 Scholarship

These scholarships are given in memory of Amy M. Erickson to undergraduate students selected by the scholarship committee. (EAE057)

Kermit and Eunice Ericsson Scholarship

This scholarship is awarded to students in the College of Arts and Sciences majoring in one of the science programs and has a minimum 3.5 GPA. Preference to a student with financial need. (EAE0321)

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 ministry. The scholarship is renewable for up to two years provided the student maintains a cumulative GPA of 3.0 or higher. (EAF060)

Colleen M. Feldman Psychology Scholarship

This scholarship is awarded to upperclass students in the College of Arts & Sciences who are majoring in psychology and maintaining a minimum GPA of 3.0. (EAF151)

Allison Ferrin Living Legacy Scholarship

This scholarship is awarded to one first year student from Colorado. The scholarship is renewable until they graduate if a 3.0 GPA is maintained, maximum of four years per student. (EAF318)

The George Floyd Scholarship

Recognizing Bethel University's theological and practical commitment to stand unequivocally against racism and every form of sin that destroys the image of God in humanity, this scholarship shall be used to assist qualified Bethel University students in the College of Arts and Sciences, College of Adult and Professional Studies, Graduate School, and Seminary with financial need who demonstrate a commitment to increasing opportunities for members of underrepresented groups, breaking down stereotypes, enabling others to better understand persons of different races or ethnicities, excellence in leadership, dedication to community engagement, commitment to Biblical justice and advancement of the gospel. (EZF007)

Phil and Leta Frazier Communications Award

In recognition of the impact the Fraziers have had on their students in the Communications Studies Department during their years at Bethel University, and in recognition of students majoring in Communication Studies to encourage them to reach their full potential as Christian Scholars, this scholarship is given to a worthy Bethel University College of Arts and Sciences student. The recipient must be majoring in

Communication Studies, who is junior at time of the award, has a strong academic achievement in the department (3.0 GPA or above), participates in departmental activities and demonstrated competence in Interpersonal Communication. (EAF279)

Foundation Governors Endowed Scholarship

This scholarship is awarded to incoming students majoring in Business with preference to first generation students (parents did not attend 4-year college/university) with financial need. The scholarship is renewable for up to three years. (EAF316)

Kirsten Frederick Fumagalli Memorial Scholarship

This scholarship is awarded to students in the College of Arts and Sciences who intend to pursue a Masters in Athletic Training once they graduate from Bethel University. Preference will be given to students who are hired by the Athletic Training department into the role of Sports Medicine Assistant (SMA) with a GPA of at least 3.3, demonstrate financial need and who exhibit Kirsten's Christ-like character and passion for others. The students must demonstrate a firm devotion to the cause of Christ as an athletic training professional and will use relationships with others as a platform for expanding the Kingdom of God. (EAF332)

Garven Family Fund Scholarships

This scholarship fund, established by David and Gayle Garven, provides three student scholarships. The Family Fund provides scholarships 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. (EAG063, EAG064, EAG065)

Jack & Clara Geiger Nursing Scholarship

In recognition of their lifelong interest in learning and young people, their love of Bethel University and its Christ-centered mission, this scholarship shall be used to assist worthy students with financial need who have maintained a GPA of 2.75 and have been accepted in the Nursing program in the College of Arts & Sciences. (EAG303)

The Donald R. Geis Family College of Arts & Sciences 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)

To the Glory of God Nursing Scholarship

In recognition of their interest in nursing students and their desire to see each one be prepared to be salt and light in this world, this scholarship shall be used to assist annually one worthy junior or senior Bethel University full-time student with financial need who has been accepted into the nursing undergraduate program of the College of Arts & Sciences. (EAG304)

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)

Milena Goodwin Scholarship

In memory of Milena Goodwin, this scholarship is given to a student in the College of Arts & Sciences who is involved in Christian ministry activities. (EAG325)

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)

James B. and Christina Z. Green Scholarship Fund

This scholarship is given to full-or part-time Bethel University students in the College of Arts & Sciences who demonstrate need, and maintain a 2.5 GPA. First preference is given to an employee, retiree, spouse, parent, sibling, direct descendant,

or stepchild of an employee or retiree of Kemps LLC. One award per year will be given. (EAG261)

Gruez 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, service projects, etc.). Up to three scholarships are awarded each year. (EAG073)

Charles and Marilyn Gustafson Nursing Scholarship

This 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 Bethel 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 & Sciences students planning to teach in the public school system in even years and Bethel Seminary students planning to work in ministry in odd years. (EAHAMM)

Elderine Byrdie Nordquist Hansen Scholarship Fund

In recognition of her lifelong interest in young people, her interests in education and nursing, her loyalty and devotion to the cause of Christ, this scholarship shall be used to assist worthy Bethel University students with financial need in the College of Arts & Sciences who major in nursing, exhibit Christian character, and have distinguished themselves academically. (EAH305)

Thorvald Hansen III Memorial Scholarship

In memory of Thorvald Hansen III and in recognition of his passion for teaching art to young people, his interests in education, his love for and devotion to the cause of Christ, this scholarship shall be awarded to worthy Bethel University students in the College of Arts & Sciences with financial need. First preference shall be given to male students preparing to become elementary education teachers; second preference shall be given to prospective male art teachers. (EAH291)

Thor and Nancy Hansen Scholarship

This scholarship is given to worthy students who demonstrate financial need, with first preference to those students who are graduates of Hope Academy of Minneapolis, MN. (EAH285)

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)

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)

Hasselblad-Dirkes Family Scholarship

This award is given by the family of Leonard O. Hasselblad of San Jose, California, to perpetuate his long-standing relationship with Bethel University and to further his desire to help young

people secure an evangelical Christian education. (EAH082)

William Randolph Hearst Endowed Scholarship Fund

This scholarship has been funded by the Hearst Foundation with the intention of providing scholarship funds for students with financial need who intend to reside in the United States after completing their studies. (EAH085)

Stacey Hunter Hecht Scholarship Fund

In recognition of her lifelong interest in young people, her interests in education and political science, her loyalty and devotion to the cause of Christ, the Stacey Hunter Hecht Scholarship was established to assist worthy students with financial need who are majoring in political science or intend to major in political science and maintaining a minimum GPA of 3.0. (EAH275)

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 '74 by her family and friends. These scholarships are awarded to two female students who exhibit godly character and a competitive spirit. (EAH084)

Edith Holm and Lydia Holm Memorial Scholarship

This scholarship from the estates of Edith Holm and Lydia Holm is for students who demonstrate financial need and who have demonstrated initiative in earning a portion of their college expenses. The students must also have high academic standing and a 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)

Ralph T. and Karla Calais Holman Chemistry Endowment

The Ralph T. and Karla Calais Holman Chemistry Endowment is given to worthy Bethel University students in the College of Arts & Sciences who demonstrate need. First preference will be given to incoming students with a minimum ACT score of 27 (or comparable SAT score) and an interest in majoring in chemistry. The scholarship is renewable if students maintain a 3.0 GPA and continue to major in chemistry. (EAH252)

Dr. Gordon P. and Nita B. Howell Scholarship Fund

In recognition of his lifelong interest in young people, his interest in music education, his loyalty and devotion to the cause of Christ as manifested by his service as a member of the Bethel University music faculty (1959-1993), appointed Professor of Music Emeritus, this scholarship is awarded to a worthy Bethel student in the College of Arts & Sciences who is a music major with financial need. (EAH281)

Humanities Achievement Award

This scholarship is given to worthy Bethel University College of Arts & Sciences students majoring in one of several named departments within the Humanities program (Biblical & Theological Studies, English, History, and Political Science) who is a sophomore or junior, is from a historically disadvantaged group (e.g., low-income, first-in-family college student, or minority), has strong academic achievement in the department, participates in departmental activities, and has the potential for achievement and Christian service after graduation. (EAA230)

Lynn Cherie Hummel Memorial Nursing Scholarship

This scholarship was established in memory of the life of Lynn Cherie Hummel, who died while she was a nursing student at Bethel. It is awarded annually to a promising and dedicated junior nursing student based on faculty recommendation. (EAH090)

Fred and Ellen Jacobson Scholarship Fund

Established by Betty Jacobson in honor of her parents, awards are made to worthy students in the College of Arts & Sciences who are enrolled in the department of nursing or are pursuing a pre-medicine degree. The students must also demonstrate financial need. (EAJ091)

Jacol Computer Science Encouragement Award

This scholarship is given to deserving computer science students selected by the department faculty. (EAJ092)

John and Elaine Jahnke Scholarship for Children of Missionaries

This scholarship is awarded to students who demonstrate financial need and who have acquired their basic education in schools of a foreign country and/or who have been home-schooled. Recipients' parents must be duly appointed career missionaries. (Short-term service does not qualify.) This does not include staff members of local churches and parachurch organizations. (EAJ094)

Thelma Jahnke Memorial Scholarship

An annual scholarship is given in memory of Thelma Jahnke to a junior or senior nursing student who demonstrates financial need. (EAJ093)

Janke Memorial Scholarship

An annual scholarship of \$500 is provided by friends of the Janke family for an upper-level student majoring in history or political science. The recipient is nominated by the faculty from the two departments. (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)

Arthur B Johnson Scholarships

In recognition of his lifelong interest in young people, his interests in education, his loyalty and devotion to the cause of Christ, this scholarship shall be used to assist worthy Bethel University

students with financial need who are studying in the College of Arts & Sciences. (EAJ296)

Doris Ruth Johnson Scholarship Fund

This scholarship is awarded to worthy students in the College of Arts & Sciences with proven leadership skills who demonstrate financial need. Students must maintain a cumulative GPA of 3.0 or higher and exhibit Christian character and a well-rounded balance of scholarship, work, service, and worship. (EAJ206)

Ed and Joanne Johnson Scholarship

In recognition of their lifelong interest in young people, their interests in education, their shared love of music, their loyalty and devotion to the cause of Christ, and in consideration of gifts received, this scholarship shall be used to assist worthy Bethel University students with financial need in the College of Arts and Sciences who are studying music. (EAJ234)

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. and Louella K. Johnson History Scholarship

This scholarship was established to perpetuate the influence of James E. Johnson and to provide financial aid and encouragement to a Bethel University history student who has indicated financial need and excellence in scholarship. (EAJ098)

Lawrence Robert Johnson Memorial Scholarship

This scholarship is established as a memorial to Lawrence Johnson, a husband, father, and successful businessman, by his family that dearly loved him and miss him. Students in the College of Arts & Sciences majoring in history are eligible, with preference to those planning to teach in secondary education or attend seminary. (EAJ224)

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)

Lisa Marie Ohlgren Johnson Scholarship: To God Be the Glory!

In recognition of her lifelong interest in young people, her dedication to excellence in nursing, her loyalty and devotion to the cause of Christ, this scholarship is to be awarded to a worthy Bethel student in the College of Arts & Sciences with financial need. Nursing faculty will select a senior nursing student who has demonstrated a firm commitment to his/her Christian faith and exhibits a true desire for excellence in nursing. (EAJ284)

Russell W. and Margaret Johnson 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)

William F. and Jacqueline L. Johnson College Scholarship

This scholarship is awarded to students in the College of Arts and Sciences with financial need. (EAJ313)

Ar dys Jordan Memorial Music Scholarship

This scholarship is awarded to a junior College of Arts & Sciences student who is studying music at Bethel University. Preference is given to a student from North Dakota. Award can be given again for the senior year if the student continues his or her program and makes acceptable academic progress. (EAJ201)

Janice Turnblom Jorgensen Memorial Scholarship

This scholarship, given by the husband of Janice Turnblom, was originally established at Mounds Midway School of Nursing of which Mrs. Jorgensen was a graduate. The scholarship was transferred to Bethel University in 1993. Grants are given to Bethel nursing program students planning employment in the nursing home field upon graduation. (EAJ102)

Fred W. Julius Scholarship

This scholarship is given to a Bethel University - College of Arts & Sciences student who is studying either science or biblical and theological studies. (EAJ104)

Ellen Juul Nursing Scholarship

This scholarship is given in memory of Ellen Juul and is awarded to worthy Bethel University students with financial need who are pursuing a degree in the Department of Nursing in the College of Arts and Sciences. (EAJ194)

Krista L. Kaups Scholarship Fund

In recognition of her lifelong interest in young people and education, her support of medical missions, her investment of time and treasure as a Bethel Trustee, her loyalty and devotion to the cause of Christ and His church, this scholarship shall be used to assist worthy Bethel University students in the College of Arts & Sciences with financial need who are preparing for a career in medicine. (EAK299)

Gladys Kleinsasser Memorial Scholarship for Medical Mission

This scholarship is awarded to any undergraduate upperclass student with a 2.5 GPA or higher, who has an intention and/or career goal of medical missions. (EAK108)

Harland and Pauline Knight Family Scholarship

This scholarship is awarded to sophomores, juniors, or seniors majoring in the field of education with a cumulative GPA of at least 3.75. (EAK106)

Jeff Koenigsberg Memorial Scholarship

This scholarship is established in loving memory of Jeff, who died of cancer in 1996 at the age of 13. It is intended to be awarded to a promising art student with financial need, who demonstrates exceptional and genuine talent, in recognition of Jeff's unique personality, creative nature, and promising artistic ability. This scholarship is intended for returning students majoring in visual arts, upon the recommendation and confirmation of the art department faculty, as an encouragement to students to develop their God-given gifts within a Christian environment. (EAK109)

Gunnar Kronholm Business Scholarship

In honor of former banker, Bethel administrator, and adjunct faculty member Gunnar Kronholm, whose life exemplified faithful Christian service and ethical business practice, this scholarship is awarded to students majoring in business in the College of Arts & Sciences. (EAK110)

Gunnar Kronholm Scholarship Fund in Wealth Management

The Gunnar Kronholm Scholarship Fund in Wealth Management has been established in honor of the exceptional life of Gunnar Kronholm, his leadership in establishing the Department of Business/Economics at Bethel University, his godly example to and influence on numerous business/economics students. The fund is to assist a worthy Bethel student with financial need. The preferred candidate is a third- or fourth-year business/economics/finance student with a GPA of 3.0 or greater, seeking a career in wealth management. (EAK276)

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)

Rholan E. Larson Scholarship

In memory of Rholan E. Larson, this scholarship is given to worthy Bethel University College of Arts & Sciences students who demonstrate financial need. (EAL246)

Rod and Gwen Larson Scholarship Fund

This scholarship is given to assist worthy Bethel University students in the College of Arts & Sciences who demonstrate financial need, exhibit spiritual maturity as recognized by the Bethel Community, are sophomore, junior, or senior standing at the time of the award, and achieve a GPA of 2.75 or above. (EAL293)

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

In memory of Harold and Gertrude Lidbom, this scholarship is given to students in the College

of Arts and Sciences who demonstrate financial need. (EAL114)

Harry Nels and Jeannette Lindberg Scholarship

This scholarship is given by the family of Harry Nels and Jeanette Lindberg to honor their commitment to Christ. It is given to worthy College of Arts & Sciences students who demonstrate financial need. (EAL240)

Dwight Lindbloom Memorial Scholarship

This scholarship is awarded to education majors in good standing who anticipate a career in public education teaching. (EAL115)

Janet M. Lindquist M.D. Scholarship Fund

The Janet M. Lindquist, M.D. Scholarship Fund is to be awarded to worthy college of arts and sciences students at Bethel University who are pursuing a professional career in medicine and demonstrate financial need. (EAL269)

David and Richard Lissner Memorial Scholarship

An annual scholarship is given in memory of David Lissner, former president of the Bethel Foundation, and in memory of his son, Richard Lissner, to a student who demonstrates financial need, with preference given to a student from a rural area. (EAL116)

James R. Lonn Memorial Scholarship

This scholarship is awarded to a student who has a 2.0 GPA or above and who demonstrates financial need. (EAL118)

Margaret Magnuson Scholarship

Established by Dr. Warren Magnuson in memory of his wife in appreciation for kindness and care shown to her by the staff of Friendship Village of Bloomington, Minn., 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 Scholarships

Awards are made annually to undergraduate music students (preferably members of a Bethel - instrumental ensemble) 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)

Harold and Winifred McClure Scholarship Fund

This scholarship is given to worthy College of Arts & Sciences students who demonstrate financial need. (EAM245)

Dr. Ruth Eckert McComb Memorial Scholarship

This scholarship is awarded to an undergraduate upperclassman who demonstrates financial need and who has excellent academic performance along with a deep commitment to Christ and His service. (EAM126)

Garvin and Lynne N. McGettrick Music 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. (EAM138)

Elizabeth C. Miller Scholarship Fund

This scholarship is given to worthy Bethel University students in the College of Arts & Sciences who are admitted in the Fresh Start Program and are committed Christ-followers. Its purpose is to encourage and inspire a worthy student's journey towards success. (EAM262)

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)

Minnesota Private College Fund Scholarships

The Minnesota Private College Fund provides approximately 20 annual scholarships for Bethel University students. These scholarships are funded by the generous donations of private businesses and foundations, such as Access & Equity Pooled Scholarship Fund, Buuck Family Foundation Scholarship, Cargill Diversity Scholarship, Cargill Galileo Scholarship, Carlson Foundation Scholarship, Galileo Pooled

Scholarship, B.C. Gamble and P.W. Foundation Scholarship, Graco Foundation Scholarship, Medtronic Foundation Scholarship, Meslow First-Generation Scholarship, Minnesota Scholars Fund, Securian Foundation Scholarship, Tennant Company Diversity Scholarship, UPS Foundation Scholarship, US Bancorp Foundation Scholarship, Wells Fargo Foundation Scholarship, and Xcel Energy Foundation Scholarship. Recipients are selected by the Office of Financial Aid from eligible financial aid applicants.

Minnesota Society of Certified Public Accountants Endowed Scholarship Fund

This scholarship is given to an accounting major (Junior or Senior) who intends to sit for the CPA exam, maintains a 3.25 GPA or higher and demonstrates financial need. (EAM265)

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)

David O. Moberg Scholarship in Reconciliation Studies

In recognition of his lifelong interest in young people, his interests in education, his loyalty and devotion to the cause of Christ, this scholarship shall be used to assist worthy Bethel University students in the College of Arts & Sciences with financial need who are majoring in Reconciliation Studies. (EAM306)

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 was a group of volunteers who met regularly to pray for Bethel and provide student scholarships and faculty grants.) JoAnn's life was marked by Christian

love, a humble spirit, and academic excellence. JoAnn was an FOB member since its founding in 1991. (EAM133)

Oliver Mogck Vocal Scholarship

This scholarship is given in honor of Oliver Mogck and his career training and guiding students in voice instruction as the chair of the Bethel Department of Music. An award will be given to assist worthy undergraduate vocal students in the College of Arts & Sciences. (EAM210)

John and Dorothy Morley College Scholarship Fund

This scholarship is intended to assist College of Arts & Sciences students who exhibit financial need. (EAM217)

Mary Jo Monson/Mounds-Midway School of Nursing Scholarship

This scholarship is for worthy students enrolled in the undergraduate nursing program of Bethel University who demonstrate a servant's spirit, are in good academic standing with a GPA of 3.0 or above, and demonstrate financial need. (EAM254)

John and Dorothy Morley College Scholarship

This scholarship is intended to assist College of Arts & Sciences students who exhibit financial need. (EAM217)

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)

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 '69 to assist any students who demonstrate financial need. (EAM134)

Music Alumni Scholarship

This scholarship is set up in memory of Lola Veenker, her lifelong interest in young people, her love for and support of the music program, and her loyalty and devotion to the cause of Christ. This scholarship shall be awarded to students in the College of Arts & Sciences who are studying music and is intended to cover the cost of 60-minute private music lessons. (EAM290)

Raymond and Esther Jorgenson Mullins Memorial Scholarship Fund

In memory of Raymond and Esther Jorgenson - Mullins, this scholarship will be awarded to - worthy Bethel University students in the College of Arts & Sciences who demonstrate financial need. (EAM135)

Vera Narregang Piano Scholarship

This scholarship was established in appreciation of Vera Narregang and is awarded annually to an outstanding piano emphasis music major upon the recommendation of the faculty of the Department of Music. (EAN136)

Anthony Nelson Memorial Scholarship Fund

In honor of Anthony Nelson, an outstanding student and Bethel community member who was tragically killed in an auto accident, this scholarship is given to an outstanding accounting and finance students who exemplify the character traits of Anthony Nelson. (EAN301)

Gloria (Christenson) Nelson Nursing Scholarship

In recognition of her lifelong interest in young people, her interest in nursing, and her loyalty and devotion to the cause of Christ, this scholarship is awarded to a worthy Bethel student in the College of Arts & Sciences who demonstrates financial need. Preference will be given to junior or senior Nursing students. (EAN282)

Nels A. and Irene M. Nelson Memorial Scholarship

In recognition of their lifelong interest in young people, their interest in education, their loyalty and devotion to the cause of Christ, and in recognition of a testamentary gift, this scholarship shall be used to assist worthy students in the College of Arts and Sciences with financial need. (EAN264)

Robert and Norma Nelson Memorial Scholarship for Healthcare or Education

This scholarship is awarded to up to two students in the College of Arts & Sciences with financial need who are studying to become a healthcare provider (i.e., medical doctor, dentist, nurse, physician's assistant, pharmacist, etc.) or teacher. The students must be committed to serve Christ and represent and serve underserved populations in their vocations. A student may receive the scholarship more than once, but it does not automatically renew. (EAN320)

Stephen F. Nelson Science Scholarship Fund

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. To be awarded to Bethel student enrolled in College of Arts & Sciences with a preference given to junior or senior seeking a major in 5-12 Education with an emphasis in science (chemistry, life science, or physics). Second preference would be a junior or senior seeking a major in 5-12 Education with an emphasis in another science. (EAN144)

Behavioral Neuroscience Scholarship

In recognition of Adam C. Johnson's lifelong interest in learning, teaching, and research, his interests in Neuroscience and Psychology education, his love for family and his students, and his loyalty and devotion to the cause of Christ, this scholarship is given to assist worthy Bethel University students with financial need who are pursuing a degree in neuroscience. (EAJ288)

New England States Scholarship Fund

In recognition of Sonja Gullbrand's lifelong interest in young people, education, and her loyalty to the cause of Christ, this scholarship is given to worthy and needy Bethel students majoring in Biblical and Theological Studies with a GPA of 3.0 or above. Preference to students from one of the New England States. (EAN300)

Nontraditional Age Scholarship

An annual award is made to enable a student of nontraditional age who would otherwise lack sufficient funds to attend Bethel University. (EAN140)

Edwin G. and Lillian E. Nordell Memorial Scholarship Fund

Ed and Lillian Nordell were committed to the Lord and to Christian education. Because of this, their children have honored them with this scholarship to assist worthy Bethel University College of Arts & Sciences students who demonstrate financial need. (EAN231)

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, Connecticut. 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 his or her senior year if the student continues to meet the above requirements. (EAN147)

Marilyn Olsen/Class of 1965 Scholarship

In memory of Marilyn Olsen '65, this scholarship is given to female students of Bethel University's College of Arts & Sciences. (EA0204)

Dr. Olaf S. Olsen Scholarship Fund

This scholarship is given to worthy Bethel University College of Arts & Sciences students who are majoring in history and demonstrate need. (EA0260)

Lloyd M. and Elsie B. Olson Memorial Scholarship

This scholarship should be awarded to worthy Bethel University students in the College of Arts & Sciences with financial need. First consideration will be to first-year students from Forest City, Iowa. Second consideration will be to CAS students pursuing a music major. (EA0148)

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. (EA0200)

Karl A. Olsson Memorial Nursing Scholarship

This scholarship is awarded to Bethel University students enrolled in the nursing program. (EA0149)

Viola C. Ost Scholarship

This scholarship was given by the estate of Viola C. Ost in recognition of her lifelong interest in young people, her interests in education and preparation of students for the ministry, her loyalty and devotion to the cause of Christ, and is to be awarded to students who are pursuing a vocation in the ministry, or mission work. Each scholarship awarded shall be \$1,000 per student annually. (EA0271)

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. (EA0151)

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

This scholarship is set up to assist worthy Bethel University students in the College of Arts & Sciences who demonstrate financial need, maintain a GPA of at least 2.0, and exhibit godly character and a competitive spirit outside the classroom. (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)

Leroy and Twyla Pederson Scholarship

This scholarship is given to qualified junior or senior students in the College of Arts and Sciences who major in mathematics/computer science, have a GPA of 3.0 or better and are of notable Christian character. No more than two

students should be awarded. First preference is to students who are dependents of pastors or missionaries. If no students satisfy these criteria, preference is given to students with a strong relationship with Jesus Christ who have a desire to serve Him. (EAP249)

Pepsi-Cola Company and Bethel Campus Store Scholarship

Established with funding from the Pepsi-Cola Company, this scholarship is awarded to a student with financial need who comes from a single-parent home. (EAP155)

Thomas A. Perkins Memorial Music Scholarship

This scholarship is given to assist worthy music majors who demonstrate financial need. (EAP156)

Bertha Petersen Memorial Scholarship

This scholarship has been established by an endowment from Bertha Petersen's estate to assist worthy students. An annual award is made to a student who has a 3.6 cumulative GPA. (EAP157)

Peterson/Krohnolm Scholarship Fund

This scholarship is available to worthy Bethel University College of Arts & Sciences students who are majoring in nursing or modern world languages and demonstrate financial need. (EAP239)

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 his or her high school class, and has a cumulative GPA of 2.5 or higher. Renewable for up to three years if recipient is a business major, involved in extracurricular activities, has a minimum cumulative GPA of 2.5, and demonstrates leadership in campus ministry activities. It may be awarded to a sophomore or junior business major who demonstrates financial need and meets the above criteria, upon recommendation of faculty or staff (if freshman not available). (EAP158)

Doraine Peterson Business Scholarship

This scholarship is awarded to a freshman who demonstrates financial need, has declared an interest to major in business, and who maintains extracurricular participation in music. The recipient should demonstrate spiritual leadership, be involved in campus activities, and 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)

R. W. Peterson Scholarship in Physics

This scholarship is awarded to a Bethel University student in the College of Arts & Sciences who is an exceptional physics or engineering major with financial need while in the process of completing both semesters of General Physics I and II. The student will be chosen by full-time physics faculty members as based on Physics I and Physics II academic records in conjunction with recommendations of the instructor(s) of these classes. In addition to written exam performance, the student's passion for physics and engineering, lab project excellence, potential for undergraduate research at Bethel, and likelihood of future graduate work may impact the instructor's recommendations. (EAP235)

Sena Petry Memorial Scholarship

This scholarship is awarded to an undergraduate student selected by the scholarship committee. (EAP160)

Esther Phillips Nursing Scholarship

This scholarship is in honor of the life and nursing service of Mrs. Esther Zak Phillips. It shall be used to assist worthy nursing students who demonstrate financial need. (EAS229)

Virginia E. and Susan J. Port Memorial Scholarship

This scholarship is given annually by Dr. Wilbert Port in memory of his wife, Virginia, and his daughter, Susan. Susan graduated from Bethel in 1975 and was a member of the Bethel Choir. This award is given to a member of the Bethel Choir who is in need of financial assistance. (EAP161)

Danielle Joy Pound Memorial Scholarship

This scholarship honors the life of Danielle Joy Pound whose life was cut short on May 17, 2008, in a car accident just days from completing her junior year at Bethel. Danielle enjoyed life and lived it to the fullest. Her caring, outgoing personality and love for Jesus will be remembered by all who knew her. The award goes to a College of Arts & Sciences student with financial need. (EAP223)

President's Scholarship

Formerly known as the Pooled Endowment Scholarship, the President's Scholarship is awarded to top scholars in the College of Arts & Sciences at Bethel University. This is a non-need-based scholarship. (EAP162)

Nathan Prigge Memorial Scholarship

In loving memory of Nathan Prigge who died of osteosarcoma in 2022 in what would have been his freshman year at Bethel. This scholarship is awarded to students with financial need in the College of Arts and Sciences with a minimum 3.0 GPA majoring in Engineering who embody Nathan's core character traits: fight, faith, grit, and grace. The scholarship is renewable if the student continues to meet the criteria. (EAP324)

Professor's Restaurant Scholarship

This scholarship is set up to assist worthy Bethel University students in the College of Arts & Sciences who have demonstrated exemplary Christian character, who have made a constructive contribution to campus life and who are making academic progress. Students must also demonstrate need. (EAP163)

Kari Rasmussen Memorial Scholarship

This scholarship is given in memory of Kari Rasmussen, an alum who loved her time at Bethel and contributed much to the music department. It is given to students who show financial need and are juniors or seniors taking private music lessons at Bethel, with preference given to wind symphony members. (EAR232)

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)

Joyce Rekstad Scholarship

This scholarship is given to a Bethel University College of Arts & Sciences student who is studying nursing. (EAR166)

Dr. James A. Reynhout Scholarship in Biology

This scholarship is named after James K. Reynhout, who served for 28 years as professor of biological sciences. In honor of his parents, who were lifelong missionaries, the award is given to College of Arts & Sciences junior and senior biology and pre-med students who

plan to be involved in missions nationally or internationally. (EAR209)

Edgar and Doris Ritchie Scholarship in Humanities

This scholarship is established in honor of the parents of Daniel Ritchie, professor of English, who founded Bethel's humanities program in 2002. It is awarded to two students who have finished the humanities program and have demonstrated a commitment to liberal arts education in the service of Christ. (EAR259)

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)

Robertson Family Scholarship Fund

This scholarship was established in recognition of Ervin H. Robertson to assist Bethel University College of Arts & Sciences students pursuing careers in health sciences, education, or ministry. Students must demonstrate financial need. (EAR247)

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)

Emily Grace Rudolph Scholarship Fund

This scholarship honors the life of Emily Rudolph, a 2005 College of Arts & Sciences nursing graduate who passed away on December 31, 2007. Her life was remarkable and was characterized by her service in the inner-city,

orphanages, homeless shelters, and public health clinics with which she volunteered.

This award goes to College of Arts & Sciences nursing students who have financial need and are involved in a cross-cultural experience. (EAR218)

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)

Marie Salmonson Scholarship Fund

Marie Salmonson was an honor student and graduate of Bethel Academy, Class of 1929. She faithfully supported Bethel University and her home church, Emmanuel Baptist (Mora, Minnesota), all her life. Her life ended in 2010 just two weeks short of her 99th birthday. A tireless, dedicated servant, she served as county auditor of Kanabec County for 37 years and in various capacities in her church for more than 51 years. She was a careful investor and left a legacy that will live on in the lives of the Bethel students who benefit from the scholarship that bears her name. It is awarded to worthy College of Arts & Sciences students who demonstrate financial need. (EAS238)

Dr. Russell and Inez Sather Scholarship for Elementary Education

This scholarship is awarded to students majoring in elementary education. Recipients must be recommended by the faculty and maintain a 3.0 or better GPA. Preference will be given first to students from Polk, Red Lake, Marshall, Pennington, Norman, Kittson, Lake of the Woods, Mahnomen, and Clearwater counties in Minnesota. Awarding will commence in the sophomore year and continue through the senior year. (EAS173)

Dr. Russell and Inez Sather Scholarship for the Health Sciences

This scholarship is awarded to students majoring in a healthcare professional program. Recipients must be recommended by the faculty and maintain a 3.0 or better GPA. Preference will be given first to students from Polk, Red Lake, Marshall, Pennington, Norman, Kittson, Lake of the Woods, Mahnomon, 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 upper-classman who has indicated serious interest in a missions career and is exhibiting interest through success in appropriate course work and missions-related extracurricular activities. (EAS174)

Susan K. Saxon/Mounds Midway School of Nursing Scholarship Fund

This scholarship is in memory of Susan K. Saxon, a graduate of the Mounds Midway School of Nursing, in recognition of her interest in caring for coronary patients and her devotion to the cause of Christ. An annual scholarship is awarded to College of Arts & Sciences nursing students who are interested in pursuing a career in coronary nursing and demonstrate financial need. (EAS213)

Senior Class Royal Legacy Scholarship Endowment

This scholarship is given by students of the senior class—past, present, and future—to be a blessing to fellow Royals and welcome them into this community of believers. An award is given to full-time freshmen or incoming transfer students in the College of Arts & Sciences who have financial need. (EAR214)

Myrtle M. Shaver Memorial Nursing Scholarships

Several scholarships are awarded annually to Bethel University students working toward a Bachelor of Science in Nursing. (EAS176)

Eunice Singfeldt Scholarship Fund

This scholarship is given in memory of Eunice Singfeldt to Bethel University students in the College of Arts & Sciences who demonstrate need. (EAS263)

C. Howard Smith Music Scholarship Endowment

This scholarship is in honor of C. Howard Smith, professor of music at Bethel University, who was dedicated to music education and the integration of music and spiritual life. This scholarship is awarded to music majors with a preference to students who exhibit a balance of scholarship, musical ability, and service. This is renewable if recipient maintains an overall GPA of 3.3. (EAS177)

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 interim pastor at Trinity Bible Church in Phoenix, Arizona. 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)

Wilbur and Pearl Sorley College Scholarship

This scholarship honors Wilbur and Pearl Sorley who both graduated from Bethel Seminary and served the Lord as missionaries to India. It was their desire to assist worthy and needy students who are committed to giving their lives to share the good news of Jesus Christ. (EAS227)

Spirit of Unity Scholarship

This scholarship is awarded to students in the College of Arts & Sciences with financial need who are United States citizens with preference to Minnesota residents and preference to students of color. Students must have a minimum GPA of 2.50. (EAS202)

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)

Student Senate Scholarship

Funded by the College of Arts & Sciences Student Senate, this annual award is given to a student who has rendered outstanding service to the Bethel Student Government. The recipient must have a 2.5 GPA or better and may not be a current Senate member. (EAS008)

Elvira M. Svard Scholarship

The fund awards worthy students who demonstrate financial need and who are pursuing a teaching career. (EAS182)

Grace Ann Larson Swanson Scholarship

This scholarship is given in memory of Grace Ann Larson Swanson to assist worthy Bethel University CAS students who demonstrate need and are pursuing a professional career in elementary education. Preference is given to students with a GPA of 3.0 or higher. (EAS258)

Theatre Arts and Visual Arts Scholarship

This award is given to worthy and needy College of Arts & Sciences students who are majoring in theatre arts and are planning to use these talents in Christian ministry. Leslie M. Funk established this scholarship to help assist college students and to help the cause of Christ through Bethel University. (EAT220)

Theatre Arts Endowed Scholarship

This scholarship is awarded by the Department of Music and Theatre faculty to encourage outstanding drama students. (EAT009)

Larry Tilleskjor Scholarship

This scholarship is given to worthy Bethel University College of Arts & Sciences students who are pursuing a degree in chemistry with a minimum GPA of 3.0 and demonstrate financial need. (EAT205)

Treptau Family Scholarship

This scholarship is given to first year students in Bethel University College of Arts & Sciences who exhibit strong academics and a vibrant faith. (EAT312)

Ron & Nancy Tschetter 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)

Urban Youth Leadership Scholarship

This scholarship is awarded to worthy Bethel University students with financial need who qualify as ACT-SIX participants or are among the underserved populations in the urban Twin Cities area. (EAU270)

Astrid and Ray Van Hoy College Scholarship

This scholarship is in honor of Astrid and Ray Van Hoy. Astrid held a long-standing appreciation for caring and capable ministers of the gospel. It was through her careful savings that this scholarship has been made possible to College of Arts & Sciences students who have financial need and are preparing for pastoral ministry. It was her hope that this scholarship would enable recipients to study at Bethel and pursue God's call to the pastorate. (EAV228)

M. Eleanore Vogel Scholarship

In recognition of her lifelong interest in young people, her interests in education and nursing leadership, her loyalty and devotion to the cause of Christ, this scholarship is awarded to a worthy Bethel student in the College of Arts & Sciences with financial need who is majoring in nursing. (EAV283)

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

Wallendorf Scholarship Endowment

This scholarship has been established by Paul - Wallendorf '26 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)

Robert Weaver Scholarship

In honor of Dr. Weaver's 26 years of service to the University, the intended spirit of this endowment is to award a deserving student who has, by process of scholarship and application, and in consultation with the business faculty,

demonstrated a passion for the furtherance of the virtues of peace, justice, equality, and the ability to view the world from the perspective of those who are themselves most in need; this within the context of a small business education. The candidate for this award must be: an upper-classman; majoring in business with preference for those in the entrepreneur program; demonstrating a passion for use of their gifts to those in need. (EAW237)

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. This scholarship is awarded to College of Arts & Sciences international students. (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)

David and Nancy Whitney Family Scholarship

This scholarship is awarded to a sophomore in the College of Arts & Sciences with financial need from any and all academic disciplines. Preference to a student who exhibits a growing Christian faith, innovation, problem solving ability and good communication skills. The student should show evidence of ability to build bridges and implement solutions to the problems faced by people of diverse cultures and viewpoints. The award is renewable for the student's junior and senior year. (EAW317)

Bill and Ruth Widen Memorial Scholarship

An annual scholarship is given to a female student with ultimate plans for missionary nursing or other missionary service. (EAW196)

Helen E. Widen Memorial Scholarship

This scholarship is awarded to an undergraduate student selected by the scholarship committee who demonstrates financial need. (EAW194)

Margaret E. Widen Memorial Scholarship

This scholarship is awarded in memory of Margaret E. Widen to a Bethel University student. (EAW195)

Mildred M. Widen Memorial Scholarship

This scholarship is awarded in memory of Mildred M. Widen to a Bethel University student. (EAW197)

Wilmot Road Baptist Church Scholarship

Upon the dissolution of the Wilmot Road Baptist Church, its members decided to establish a scholarship fund to assist Bethel University students. (EAW198)

Alfred J. and Rosalie Wingblade Scholarship

A scholarship is given as a memorial to Alfred and Rosalie Wingblade's 42 years of service to Bethel. A.J. Wingblade served as principal of Bethel Academy beginning in 1907 and as professor of Greek and Christian education at Bethel College. The award is given to a promising student who has demonstrated aptitude for the use of the Greek language in New Testament studies. (EAW199)

Florence Winquist Nursing Scholarship Fund

This scholarship shall be used to assist worthy Bethel University students with financial need in the College of Arts & Sciences majoring in nursing. (EAW295)

Fern Worm, Lynne Petersen Nursing 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 a Bethel University upperclassman majoring in nursing. (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. (EAY207)

Administration

Office of the President

Ross Allen	President
Jeanne Osgood, M.B.A.	Senior Associate for the President

Provost

Robin Rylaarsdam, Ph.D.	University Provost
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Academic Affairs

Julie Finnern, Ed.D.	Associate Provost for the College of Arts & Sciences
Barrett Fisher II, Ph.D.	Dean of Academic Programs
Ray VanArragon, Ph.D.	Dean of Faculty
Diane Dahl, Ph.D, R.N.	Interim Dean of Healthcare Programs & Dean of Nursing, Chief Nursing Administrator
Joel D. Frederickson, Ph.D.	Associate Dean of Institutional Assessment & Accreditation

Office of Christian Formation

Nick Cocalis, M.Div.	Lead Campus Pastor
Matthew C. Runion, M.Div.	Campus Pastor for Spiritual Formation & Care

Inclusive Excellence

Rahn Franklin, Jr., Ph.D.	Vice President for Inclusive Excellence
Jamey Johnson, M.Div.	Associate Dean of Inclusive Excellence
Khanh Nguyen, M.Div.	Associate Dean of Inclusive Excellence
Sara Shady, Ph.D.	Associate Dean for Academic Inclusive Excellence

International and Off-Campus Programs

Virginija Wilcox, M.A.	Associate Dean of International & Off-Campus Programs
Nicole Kang, M.A.	Assistant Director of International & Off-Campus Programs

Library

Matthew Theisen, M.A., M.S.	Director of Libraries
Rhonda E. Gilbraith, M.L.I.S.	Associate Director & Collection Development Librarian
Rebekah Bain, M.A., M.L.I.S.	Archivist/Research Librarian
Brooke Ballantine, M.A.Ed., M.L.I.S.	Instructional Services Librarian
Lyndi Fabbrini, M.L.I.S.	Public Services Librarian
Kari Jagusch, M.L.I.S.	Resouce Sharing Librarian
Sandra Oslund, M.A., M.L.I.S.	Interlibrary Loan/Collections Planning Librarian
Amy L. Reinhold, M.L.I.S.	Materials Services Librarian
Kimberly Wilson, M.L.I.S.	Metadata and Acquisition Librarian

Registrar

Cheryl Fisk, Ed.D.	University Registrar
Lydia Wurdemann	Associate Registrar of the College of Arts & Sciences
Rachel Brands, M.A.	Assistant Registrar of the College of Arts & Sciences

Student Experience

Miranda Powers, M.A., L.P.C.	Vice President of Student Experience
Erica Lynch, M.A.	Associate Vice President of Student Life
Alicia Ochs, M.A.	Associate Dean for Student Care
Nicholas Cedergren, M.S.	Associate Dean for Residence Life
Nate Gustafson, M.Div.	Associate Dean for Campus Engagement
Emily Allen, Ed.D.	Assistant Dean for Residence Life
Jenna Holst	Director of Student Activities & Campus Engagement
Greg Peterson, M.A.	Director of Athletics
Miriam Hill, Ph.D, LMFT	Director of Counseling Services
Elizabeth K. Miller, R.N.	Director of Health Services
Rick Meyer, M.A.	Wellness Center Director

Academic Development and Operations

Kara Wicklund, Ed.D.	Associate Director of Instructional & Media Design, Academic Development
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Faculty

A

Brent Adams, 1999. Associate Professor of Theatre Arts Emeritus. B.A. in Theatre, University of Kentucky, 1985. M.F.A. in Acting, University of Minnesota, 1991.

Leigh Anne Adams, 2007. Adjunct Assistant Professor; Theatre Emphasis. B.A. in Theatre, Speech, English Education, University of Kentucky, 1981. M.A. in Theatre, University of Kentucky, 1983. M.F.A. in Directing, University of North Carolina at Greensboro, 1985.

Joshua Agrimson, 2023. Adjunct Instructor of General Studies. B.S. in Education, North Central University, 2019.

Don Albright, 1985. Professor of Chemistry Emeritus. B.S. in Chemistry, University of Wisconsin, 1962. Ph.D. in Physical Chemistry, University of Wisconsin, 1967.

Donald Alexander, 1987. Professor of Biblical Studies Emeritus. B.A., Seattle Pacific College, 1959. M.A., Chicago Graduate School, 1964. M.Div., Bethel Theological Seminary, 1965. M.A., University of California, 1975. Ph.D., University of California, 1980.

Shyla Allard, 2021. Assistant Professor of Business. B.S. in Computer Science, Speech Communications, Iowa State University, 1989. M.B.A. in Marketing, Organizational Behavior, Northwestern University, 1994.

Emily Allen, 2023. Adjunct Assistant Professor of General Studies. B.A. in Spanish Education, Bethel University, 2003. M.Ed. in World Language Instruction, Concordia College, 2010. Ed.D. in Leadership, University of St. Thomas, 2016.

Phyllis Alsdurf, 2003. Professor of English Emerita. B.A. in Journalism, Evangel College, 1969. M.A. in Journalism, Kansas State University, 1974. M.A. in Humanities, Western Kentucky University, 1977. Ph.D. in Mass Communication, University of Minnesota, 2003.

Betsy Anderson, 2021. Associate Professor of Communication Studies. B.A. in Media Communication, Bethel University, 1996. M.A. in Journalism and Mass Communication,

University of Minnesota, 2003. Ph.D. in Mass Communication, University of Minnesota, 2008.

Brittany Anderson, 2024. Adjunct Instructor of Nursing. B.S.N., Bethel University, 2019.

Bryan Anderson, 1991. Associate Professor of Biological Sciences Emeritus. B.S. in Environmental Studies, Northland College, 1981. M.S. in Forestry, University of Minnesota, 1989.

Linda Anderson, 1990. Professor of Nursing Emerita. B.S. in Nursing, University of Minnesota, 1981. M.P.H. in Public Health Nursing, University of Minnesota, 1989. D.N.P., University of Minnesota, 2010.

Rachel Anderson, 2019. Associate Professor of Psychology. B.A. in Psychology, Biology, Hamline University, 2012. Ph.D. in Psychology, University of Iowa, 2018.

Trudi Anderson, 2002. Private Lesson Instructor in Flute. B.A. in Music, Augsburg College, 1977. M.A. in Music, Northwestern University, 1987.

Tyler Ashworth, 2024. Adjunct Instructor of Computer Science. B.S. in Mechanical Engineering, Computer Science, University of Minnesota, 2018.

Tanner Auch, 2017. Associate Professor of Mathematics. B.A. in Mathematics, MidAmerica Nazarene University, 2004. M.S. in Mathematics, University of Nebraska, 2010. Ph.D. in Mathematics, University of Nebraska, 2013.

B

Lauren Baker, 2024. Adjunct Instructor of Nursing. B.S.N., Trinity Christian College, 2019. M.S.N.-Ed., Olivet Nazarene University, 2023.

Brad Beale, 2023. Adjunct Instructor of Music. B.A. in Music, K-12 Music Education, Luther College, 2014. M.M. in Choral Conducting, Northern Arizona University, 2018.

Thomas Becknell, 1984. Professor of English Emeritus. B.A. in Chemistry, Literature, Wheaton College, 1974. Ph.D. in English, University of Iowa, 1983.

Brian Beecken, 1988. Professor of Physics and Engineering. B.A. in Mathematics and Physics, Elmhurst College, 1980. M.S. in Physics,

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L

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N

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O

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P

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Q

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R

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S

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T

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Index

A

Academic Appeals.....36

Academic Calendar.....3

Academic Honesty.....33

Academic Programs and
Departments..... 63

Academic Progress.....35

Accounting and Finance, B.S..... 118

Actuarial Science and Finance, B.S.....69

Accreditation and Membership.....2

Addiction Studies Certificate..... 121

Administration..... 340

Admissions Procedures and
Requirements.....296

An Affirmation of Our Faith.....8

Applied Health Sciences.....71

Applied Performance, B.Mus.....239

Applied Philosophy, B.A.....258

Applied Physics, B.S.....264

Art and Design.....78

Art, B.A.....81

Art, B.F.A.....84

Art Therapy, B.A.....82

Art History Minor.....85

Associate of Arts Degree.....45

B

Baccalaureate Degree..... 44

Becoming Whole and Holy Persons: A
Covenant for Life Together at Bethel.....9

Bethel University Commitments.....7

Bethel University Schools.....5

Biblical and Theological Studies.....86

Biblical and Theological Studies,
B.A.....91

Biblical and Theological Studies
Minor.....92

Biochemistry, B.A.....125

Biochemistry/Molecular Biology
B.S.....93

Biological Sciences.....95

Biology, B.A.....101

Biology, B.S.....103

Biology Minor.....108

Business.....109

Business, B.A.....115

Business and Political Science, B.A...272

Business Education & Communication
Minor.....163

Business Minor.....119

C

Calendar.....3

Certificates.....44, 120

Chemistry.....122

Chemistry, B.A.....126

Chemistry, B.S.....127

Chemistry Minor.....128

Classics Endorsement.....167

Classification of Students.....37

Class Standing.....37

College of Arts & Sciences Philosophy of Higher Education.....19

Commencement.....45

Communication Arts and Literature Education 5-12 (English Education), B.A.....186

Communication Studies.....129

Communication Studies, B.A.....134

Communication Studies Minor.....138

Computer Engineering, B.S.....178

Computer Science.....141

Computer Science, B.A.....144

Computer Science, B.S.....145

Computer Science Minor.....147

Computer Science with Software Project Management, B.A.....144

Course Policies, Grades, and Concerns.....37

Course Program of Study.....42

Covenant for Life Together at Bethel.....9

Creative Writing Minor.....190

Credits by Examination.....59

Credit Limits (by term).....57

Cross Enrollment.....39

D

Dean’s List Honors.....47

Departmental Scholarships (Special Awards).....318

Digital Humanities.....148

Digital Humanities Minor.....148

Directed Studies (Individualized Study).....48

Doctor of Physical Therapy Program at Southwest Baptist University.....210

E

Education.....150

Education & Policy Minor.....164

Education: Teaching Preparation Minor.....164

Electrical Engineering, B.S.....179

Elementary Education K-6, B.A.....160

Elementary Education K-6 with Middle Level Endorsement(s).....161

Endorsements.....43, 167

Engineering.....171

Engineering, B.A.....177

Engineering Minor.....182

English and Journalism.....183

English, B.A.....188

English Minor.....190

Entry Level Standing.....60, 61

Environmental Science.....192

Environmental Science B.S.....194

Exercise Science, B.S.....73

F

Faculty.....342

Family Educational Rights and Privacy Act (FERPA).....13

Final Examinations.....46

Finances.....298

Financial Aid.....302

Financial Aid Refunds.....315

G

Gender Studies.....197

Gender Studies Minor.....197

General Education.....20

General Education Entry Standing.....60, 61

General Education Requirements and Prerequisites.....22

General Education Themes.....23

General Education Track Options.....32

General Information.....1

General Studies198

Geography courses.....206

Graduation Requirements and Course Program of Study.....42

Graphic Design, B.A.....83

Graphic Design Minor.....85

H

Healthcare.....207

Healthcare Pathways Endorsement...167

Healthcare Professional Preparation Endorsement.....168

History.....212

History, B.A.....215

History Minor.....217

Honors.....47, 218

Human Bioenergetics, B.S.....74

I

Individualized Major.....49

Individualized Studies (Directed Studies).....48

Intercultural Engagement Endorsement.....168

Incomplete Grades.....39

International Relations, B.A.....273

International and Off-Campus Programs.....55

Internships.....50

J

January Session.....47

Journalism B.A.....189

Journalism Minor.....190

L

Languages and Cultures.....220

Language Placement.....27, 220

Leadership Studies Course.....115

Leaving the University Prior to Graduation.....51

M

Majors.....43, 63
Mathematics.....225
Mathematics, B.A.....228
Mathematics and Data Science, B.S..230
Mathematics Minor.....231
Mathematics with Education 5-12 Licensure, B.A.....229
Mechanical Engineering, B.S.....180
Media and Performing Arts Minor.....242
Media Production, B.A.....136
Media Production Minor.....139
Middle Level Endorsements.....161
Military and Diplomatic Studies Endorsement.....169
Military & Veteran Information.....52
Minors.....43, 64
Missional Ministries, B.A.....91
Modular and Integrated Options for First- and Second-Year Courses.....30
M.S. in Physician Assistant at Bethel University.....209
Music and Performing Arts.....232
Music, B.A.....238
Music Education, B.Mus.Ed.....240
Music Minor.....243
Music Performance Endorsement.....169

N

Natural Sciences.....244
Neuroscience.....245
Neuroscience, B.S.....246
Nursing.....248
Nursing, B.S.N.....254

O

Off-Campus Programs.....55
Option 1 for General Education: Modular.....32
Option 2 for General Education: Humanities.....32
Organizational Communication, B.A..137

P

Philosophy.....256
Philosophy Minor.....259
Photojournalism Minor.....191
Physician Assistant at Bethel University, M.S.....209
Physics.....260
Physics, B.A.....263
Physics, B.S.....266
Physics Minor.....267
Pietas Honors Program.....218
Political Science.....269
Political Science, B.A.....275
Political Science Minor.....276

Post-Secondary Enrollment Options (PSEO).....56

Pre-Law Minor.....276

Pre-Medical Track.....208

Psychological Studies.....277

Psychological Sciences, B.A.....280

Psychological Sciences Minor.....282

Public and Community Health.....283

Public and Community Health B.A.....284

Public and Community Health Minor..285

R

Rehabilitation and Movement Science, B.S.....76

Residency Requirement.....44

S

Scholarships.....318

Social Media Minor.....139

Social Studies Education 5-12, B.A....216

Social Welfare Studies Minor.....295

Social Work.....286

Social Work, B.A.....293

Sociocultural Studies of Education Minor.....165

Software Engineering, B.S.....146

Spanish, B.A.....223

Spanish Minor.....224

Special Awards (Scholarships).....318

Special Education K-12 Academic Behavioral Strategist B.A.....162

Special Education Minor.....166

Special Fees.....300

Student Load.....57

Studio Art Minor.....85

Summer School.....47

Study Abroad Programs.....55

T

Themes of the General Education Curriculum.....23

Transfer of Credits to Bethel.....58

Tuition and Housing Refund Schedules.....314

Tuition and Payment Options.....310



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