

SCHOOL OF ARTS & SCIENCES

In addition to the outstanding programs that follow, the School of Arts & Sciences exists to support the mission of Bethel College in two ways: (1) to provide direction and oversight to the General Studies Program; and (2) to house and support the Liberal Studies major.

Faculty in the School of Arts & Sciences

College Studies

Carolyn Arthur, Ph.D.
Judy Holtgren, M.A.

Department of Communication

Tim Ceravolo
Elizabeth W. McLaughlin, Ph.D.

Scott P. Johnson, Ph.D.*
Theo Williams, M.A.

Department of English

Joel Boehner, M.A.
Maralee S. Crandon, Ph.D.
Kimberly Peterson, M.A.+
Robert D. Staples, Ph.D.*

Marie J. Brenner, Ph.D.
Christian R. Davis, Ph.D.
Robby Prenkert, D.Litt.

Department of Life Sciences

Heather Ayala, Ph.D.
Kevin Drury, Ph.D.
Cathy A. Weakland, Ph.D.*

Lynne Cary, Ph.D.*
Steven A. Galat, M.D.

Department of Mathematical Sciences

Adam Hammett, Ph.D.
Alice Ramos, Ph.D.

Robert K. Myers, Ph.D.*
Christine A. Stump, M.L.S.

Department of Modern Language Studies

Scott DeVries, Ph.D.*

Eric Oglesbee, Ph.D.

Department of Music

Victoria H. Garrett, M.M. ++
Robert N. Ham, M.M.E.*
Reginald J. Klopfenstein, D.Mus.
Robert Rhein, D.M.A.

Marilynn J. Ham, M.M.++
Michael J. Kendall, Ph.D.
Derrick A. Pennix, D.M.A.
Vicky T. Warkentien, D.M.M.

+ writer-at-large

++ artist-in-residence

Department of Physical Sciences

Ralph W. Bruce, Ph.D.

Bryan J. Isaac, Ph.D.*

Erwin Sucipto, Ph.D.

Department of Sign Language Interpreting

Jennifer Kutcka, M.A.

Angela Myers, M.A.*

Department of Theatre Arts

Richard Young, M.F.A.

Department of Visual Arts

Christopher J. Stackowicz, M.F.A.*

Suzanne Mauro, M.F.A.

Committee on the Humanities

Robby Prenkert, D.Litt.

David Schmidt, Ph.D.

Timothy P. Erdel, Ph.D.

* *Department Chair*

GENERAL STUDIES PROGRAM

The **General Studies Program** represents an important outgrowth of the concept of education at Bethel College. We believe that the liberal arts student should have the opportunity to explore diverse areas of learning which are important for all individuals, and this has led to the structuring of a sequence of courses specifically designed to achieve this objective. The courses are taught in such a way that three major areas may be developed: communication, critical thinking skills, and core values. This model for content and skill development is followed throughout the entire curriculum.

General studies requirements for the B.A. degree are listed below.

1. Every student takes the Bethel College reading test at the time of entry to the college.
2. **Satisfaction of Proficiency Requirements**

Incoming students must demonstrate pre-college proficiency in three basic skill areas: reading, writing, and mathematics. This must be done within the first **24 semester hours** completed at Bethel College.

Reading Proficiency can be demonstrated in any one of the following ways:

Provide evidence of holding an Associates or Bachelors degree from an accredited college/university.

Provide a college transcript that certifies completion of 24 semester hours of coursework at C- or better.

Provide a college transcript that certifies completion of a pre-college-level remedial reading course (passed with a C- or better).

Pass the Bethel College prescribed reading test.

Successfully complete the Bethel College course, COL 065, Reading Dynamics, 2 hours.

Writing Proficiency can be demonstrated in any one of the following ways:

Provide evidence of holding an Associates or Bachelors degree from an accredited college/university.

Provide a college transcript that certifies completion of a college-level course in writing (**passed with a C- or better**). This course might also be used to satisfy Written Communication II requirements toward a degree.

Provide a college transcript that certifies completion of a remedial reading pre-college-level course (passed with a C- or better).

Receive a satisfactory score on the SAT-Verbal or ACT-English.

Pass the Bethel College prescribed writing test.

Successfully complete the Bethel College course, COL 060, Written Communication I, 3 hours.

Mathematics Proficiency can be demonstrated in any one of the following ways:

Provide a college transcript that certifies completion of a college-level course in mathematics (**passed with a C- or better**). This course might also be used to satisfy college math requirements toward a degree.

Provide a college transcript that certifies completion of a remedial mathematics pre-college-level course (passed with a C- or better).

Receive a satisfactory score on the SAT-Quantitative or ACT-Mathematics.

Pass the Bethel College mathematics test.

Successfully complete the Bethel College course, MATH 070, Pre-Algebra, 3 hours.

- The standard General Studies Program includes the following courses. Some majors may require different or specific courses.

HOURS

a. In Communication Skills:

| | | | |
|------|-----|--|---|
| ENGL | 101 | Written Communication II (Must earn a "C-" or better grade) | 3 |
| ENGL | 102 | Written Communication III | 3 |
| COMM | 171 | Speech Communication | 3 |
| | | Foreign Language (two semesters) | 6 |

b. In Social Science and History:

| | | | |
|------|-----|-------------------------|---|
| PSYC | 182 | General Psychology | 3 |
| SOC | 151 | Principles of Sociology | 3 |
| HIST | | History Elective | 3 |

c. In Fine Arts and Humanities:

| | | | |
|------|-----|----------------------------|---|
| FA | | Music/Art/Theatre | 3 |
| LIT | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | 1 |

d. In Natural Science and Mathematics:

| | | | |
|------|--|---------------------------|---|
| MATH | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |

e. In Bible and Religion:

| | | | |
|------|-----|-------------------------------|---|
| THEO | 110 | Exploring the Christian Faith | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |

f. In Physical Education:

| | | | |
|------|---------|-------------------------------|-----|
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activities | 1.5 |

The **Liberal Studies Major** is designed for the student who wishes to expand his/her knowledge and experience in more than one area while studying at Bethel College. In the true spirit of a liberal arts college, the Liberal Studies student is educated broadly and expansively, pursuing one primary and two secondary concentrations. A wide variety of concentration combinations are possible, and many of our Liberal Studies majors pursue graduate studies and/or employment that enable them to use one or more of their concentrations.

Liberal Studies Major

B.A. Degree

| | | HOURS | |
|------------------------|---------|--|-----------|
| General Studies | | | |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language | 6 |
| | | History Elective | 3 |
| | | Art/Drama/Music | 3 |
| | | Literature | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| | | | <u>54</u> |
| Major | | | |
| | | Primary Concentration in one subject area* | 15 |
| | | Secondary Concentration in one subject area* | 12 |
| | | Secondary Concentration in another subject area* | 9 |
| | | | <u>36</u> |

*All courses in a concentration area must be of the same course prefix letters (with the exception of music concentrations where any two music prefixes may be combined) and may not be required within the General Studies. At least 18 semester hours within the concentration areas must be completed at Bethel College. All courses in concentration areas must received a C- or better.

Electives needed to complete the degree 34

Liberal Studies Major

A.A. Degree

| | | | |
|------------------------|-----|-------------------------------|-----|
| General Studies | | | |
| THEO | 110 | Exploring the Christian Faith | 3 |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 216 | New Testament Literature, or | 3 |
| BIBL | 215 | Old Testament Literature | (3) |
| | | Mathematics/Science with Lab | 3-4 |
| | | Art/Drama/Literature/Music | 3 |

HUMANITIES

| | | | HOURS |
|--------------|---------|---|--------------|
| PHED | 112-136 | Physical Education Activity | <u>0.5</u> |
| | | | 27-28 |
| Major | | | |
| | | Primary Concentration in one subject area* (At least nine hours must be taken at Bethel in the primary concentration area) | 15 |
| | | Secondary Concentration in one subject area* | 9 |
| | | Secondary Concentration in another subject area* | <u>6</u> |
| | | | 30 |
| | | Electives needed to complete the degree | 4-5 |

Humanities Major

A student may appeal to the Committee on the Humanities to count up to 6 hours of (s)electives outside of the listed areas. For a replacement to count, the committee must approve the appeal before the end of the second week of the semester in which the course is taken. No course fulfilling a general studies requirement will be counted toward the Humanities Major. No course taken for the Humanities major may count toward any other minor or major.

General Studies

| | | | |
|------|---------|-------------------------------|------------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language | 6 |
| | | History Elective | 3 |
| | | Art/Drama/Music | 3 |
| | | Literature | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 54 |

Single Major Option:

No more than 15 hours from any single course prefix may count toward the completion of the Humanities major. At least 32 of the 47 required hours for the major must be completed at Bethel.

| | | |
|------|---|---|
| HIST | (minimum of 3 hours at the 300-400 level) | 9 |
| LIT | (minimum of 3 hours at the 300-400 level) | 9 |
| PHIL | (minimum of 3 hours at the 300-400 level) | 9 |

| | | | HOURS |
|---|-----|--|--------------|
| (S)electives from Fine Arts, Foreign Language, HIST, LIT, and/or PHIL (minimum of 6 hours @ the 300-400 level) | | | 18 |
| Fine Arts Courses | | (15 hours maximum) | |
| ART | 113 | Art History I: Prehistory to the Gothic | (3) |
| ART | 114 | Art History II: Gothic to Contemporary Art | (3) |
| THTR | 320 | Western Theatre History I | (3) |
| THTR | 321 | Western Theatre History II | (3) |
| THTR | 430 | World Theatre History | (3) |
| MULH | 243 | Music of the Middle Ages & Renaissance | (3) |
| MULH | 244 | Music of the Baroque & Classical Periods | (3) |
| MULH | 343 | Music of the Romantic Era | (3) |
| MULH | 344 | Music of the Twentieth Century | (3) |
| Foreign Language | | (15 hours maximum, hours must be from a single language) | (3-15) |
| HIST | | (6 hours maximum) | (3-6) |
| LIT | | (6 hours maximum) | (3-6) |
| PHIL | | (6 hours maximum) | (3-6) |
| HUM | 499 | Humanities Project | <u>2</u> |
| | | | 47 |
| Electives required to complete the degree | | | 23 |

Double Major Option:

At least 20 hours of the required 29 hours must be completed at Bethel. The general studies requirements of the first academic major will be observed. If the other major has abbreviated general studies requirements (e.g., Nursing), certain prerequisites may need to be fulfilled in order to complete the Humanities major (e.g., ENGL102 is a prerequisite for any LIT course, but is not a general studies requirement for the Nursing major).

| | | | |
|--|-----|--|-----------|
| LIT | | (minimum of 3 hours at the 300-400 level) | 9 |
| PHIL | | (minimum of 3 hours at the 300-400 level) | 9 |
| (S)electives from Fine Arts, Foreign language or HIST (minimum of 3 hours at the 300-400 level) | | | 9 |
| ART | 113 | Art History I: Prehistory to the Gothic | (3) |
| ART | 114 | Art History II: Gothic to Contemporary Art | (3) |
| THTR | 320 | Western Theatre History I | (3) |
| THTR | 321 | Western Theatre History II | (3) |
| THTR | 430 | World Theatre History | (3) |
| MULH | 243 | Music of the Middle Ages & Renaissance | (3) |
| MULH | 244 | Music of the Baroque & Classical Periods | (3) |
| MULH | 343 | Music of the Romantic Era | (3) |
| MULH | 344 | Music of the Twentieth Century | (3) |
| Foreign Language | | (hours must be from a single language) | (3-9) |
| HIST | | | (3-9) |
| HUM | 499 | Humanities Project | <u>2</u> |
| | | | 29 |

Notes:

- In addition to completion of the above, an additional academic major is selected with a total of at least 130 hours to graduate.

- If a student's other major is History, no HIST courses would count toward the Humanities major.
- If a student's other major is an Art related major, no ART courses would count toward the Humanities major.
- If a student's other major is a Music related major, no MULH courses would count toward the Humanities major.
- If a student's other major is Theatre, no THTR courses would count toward the Humanities major.
- If the student's other major is English, HIST would replace the LIT requirements in the double major and no HIST courses would count as (s)electives.
- If the student's other major is Philosophy, HIST would replace the PHIL requirements in the double major and no HIST courses would count as (s)electives.

Department of Visual Arts

Mission Statement

The mission of the art program is to apply a course of study in the visual arts that supports, integrates, and contributes to the mission of Bethel College. The program affirms and nurtures the creative spirit of each individual while providing the knowledge and the structural vehicles fundamental to promoting an appreciation and understanding of art as a discipline and of its contributions to the culture and history of humanity. Each person is encouraged to develop a unique vision and to come to a greater understanding and appreciation of the diverse responses and contributions of others. Students will explore how and why they work creatively as well as develop appreciation for art in a historical context. Students further learn to foster their relationship with God through the process of creation.

Goals of the Department of Visual Arts

Students shall graduate possessing:

- A comprehension, understanding, and appreciation for the historical trajectory and relevance of the visual arts in everyday life.
- A broad knowledge and experience with each of the artistic mediums taught by the many skilled faculty of the Department of Visual Arts.
- A finely honed and concentrated skill in one specific media of the students' choice.
- An understanding that within the process of creation, a closer proximity to divinity exists. Fostering this relationship promotes lifelong learning.
- The skills necessary to pursue and succeed at artistic careers, and further participate in the visual arts and civic art community.

- Awareness of a dynamic and accumulative body of knowledge regarding the visual arts.
- The ability to make critical, analytical, and spiritual decisions within their own work, as well as to communicate these evaluations effectively.

* 2nd semester sophomore year: portfolio review

* End of 1st semester senior year: thesis review.

* All visual arts majors must take six credits of senior thesis.

* Check specific majors for internship requirements.

Arts Administration Major

| | | | HOURS |
|----------------------|---------|--|-----------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History Elective | 3 |
| | | Literature | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 150 | Logic and Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | <u>1</u> |
| | | | 51 |
| Business Core | | | |
| ACCT | 203 | Fundamentals of Accounting I | 3 |
| ACCT | 204 | Fundamentals of Accounting II | 3 |
| BADM | 221 | Business Law | 3 |
| BADM | 222 | Business Communication | 3 |
| BADM | 286 | Applied Mathematics for Business | 3 |
| BADM | 321 | Principles of Management | 3 |
| BADM | 322 | Principles of Marketing | 3 |
| BADM | 334 | Human Resource Management | 3 |
| BADM | 450 | Business Policy | 3 |
| ECON | 233 | Principles of Economics | 3 |
| ECON | 332 | Management Finance | <u>3</u> |
| | | | 33 |
| Art Core | | | |
| ART | 111 | Introduction to Drawing | 3 |
| ART | 112 | Fundamentals of Two Dimensional Design | 3 |
| ART | 113 | Art History I | 3 |
| ART | 114 | Art History II | 3 |
| ART | 160 | Fundamentals of Three Dimensional Design | 3 |
| ART | 208 | Color Theory | 3 |
| ART | 304 | Methods in Art Administration | 3 |
| ART | 405 | Internship I (Fall Semester) | 3 |

VISUAL ARTS

| | | | HOURS |
|---|-----|-----------------------|------------|
| ART | 497 | Senior Thesis I | 3 |
| ART | 498 | Senior Thesis II | <u>3</u> |
| | | | 30 |
| Select Nine Hours from the following: | | | |
| ART | 260 | Sculpture I | (3) |
| ART | 261 | Ceramics I | (3) |
| ART | 262 | Painting I | (3) |
| ART | 263 | Printmaking I | (3) |
| ART | 264 | Digital Photography I | (3) |
| ART | 266 | New Media I | <u>(3)</u> |
| | | | 9 |
| (Elective Hours Needed to Complete the Degree) | | | 1 |

Art Education

General Studies

| | | | |
|------|---------|----------------------------------|-----------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History Elective | 3 |
| | | Literature | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 150 | Logic and Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | <u>1</u> |
| | | | 51 |

Education Credits

| | | | |
|-----------|---------|-----------------------------------|--------------|
| EDUC | 102 | Foundations of Education | 3 |
| EDUC | 204 | Diversity in the Classroom | 3 |
| EDUC | 305 | Educational Pedagogy I | 3 |
| EDUC | 405 | Educational Pedagogy II | 3 |
| PSYC | 287 | School Age Growth and Development | 3 |
| SCED/ELED | 449/426 | Student Teaching | 12 |
| EDUC | 441 | Professional Education Seminar | <u>0-2</u> |
| | | | 27-29 |

Major Courses

| | | | |
|------|-----|--|---|
| ART | 111 | Introduction to Drawing | 3 |
| ART | 112 | Fundamentals of Two Dimensional Design | 3 |
| ART | 113 | Art History I | 3 |
| ART | 114 | Art History II | 3 |
| ART | 160 | Fundamentals of Three Dimensional Design | 3 |
| ART | 208 | Color Theory | 3 |
| ART | 210 | Drawing II | 3 |
| SCED | 437 | Methods in Art Education (MS/HS) | 3 |
| ELED | 417 | Methods in Art Education (EL) | 3 |

| | | | HOURS |
|-----|-----|-----------------|-----------|
| ART | 497 | Senior Thesis I | <u>3</u> |
| | | | 30 |

Select 6 hours from the following:

| | | | |
|-----|-----|-----------------------|------------|
| ART | 260 | Sculpture I | (3) |
| ART | 261 | Ceramics I | (3) |
| ART | 262 | Painting I | (3) |
| ART | 263 | Printmaking I | (3) |
| ART | 264 | Digital Photography I | (3) |
| ART | 265 | Graphic Design I | (3) |
| ART | 266 | New Media I | <u>(3)</u> |
| | | | 6 |

Choose at least one concentration area:

Ceramics Concentration:

| | | | |
|-----|-----|--------------|----------|
| ART | 361 | Ceramics II | 3 |
| ART | 461 | Ceramics III | 3 |
| ART | 481 | Ceramics IV | <u>3</u> |
| | | | 9 |

Digital Photography Concentration:

| | | | |
|-----|-----|-------------------------|----------|
| ART | 364 | Digital Photography II | 3 |
| ART | 464 | Digital Photography III | 3 |
| ART | 484 | Digital Photography IV | <u>3</u> |
| | | | 9 |

Graphic Design Concentration:

| | | | |
|-----|-----|--------------------|----------|
| ART | 365 | Graphic Design II | 3 |
| ART | 465 | Graphic Design III | 3 |
| ART | 485 | Graphic Design IV | <u>3</u> |
| | | | 9 |

New Media Concentration:

| | | | |
|-----|-----|---------------|----------|
| ART | 366 | New Media II | 3 |
| ART | 466 | New Media III | 3 |
| ART | 486 | New Media IV | <u>3</u> |
| | | | 9 |

Painting Concentration:

| | | | |
|-----|-----|--------------|----------|
| ART | 361 | Painting II | 3 |
| ART | 461 | Painting III | 3 |
| ART | 481 | Painting IV | <u>3</u> |
| | | | 9 |

Printmaking Concentration:

| | | | |
|-----|-----|-----------------|----------|
| ART | 363 | Printmaking II | 3 |
| ART | 463 | Printmaking III | 3 |
| ART | 483 | Printmaking IV | <u>3</u> |
| | | | 9 |

Sculpture Concentration:

| | | | |
|-----|-----|---------------|----------|
| ART | 360 | Sculpture II | 3 |
| ART | 460 | Sculpture III | 3 |
| ART | 480 | Sculpture IV | <u>3</u> |
| | | | 9 |

VISUAL ARTS

HOURS

Elective

(1)

Total Credits:

124-125

Visual Arts Major

| | | | |
|------|---------|----------------------------------|-----------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History Elective | 3 |
| | | Literature | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 150 | Logic and Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | <u>1</u> |
| | | | 51 |

Cognate - Choose one:

| | | | |
|------|-----|---|------------|
| PHIL | 310 | Ancient & Medieval Philosophy | (3) |
| PHIL | 311 | Modern Philosophy | (3) |
| PHIL | 312 | Nineteenth & Twentieth Century Philosophy | (3) |
| PHIL | 313 | Major Philosophers | <u>(3)</u> |
| | | | 3 |

Major

| | | | |
|-----|-----|--|-----------|
| ART | 111 | Introduction to Drawing | 3 |
| ART | 112 | Fundamentals of Two Dimensional Design | 3 |
| ART | 113 | Art History I | 3 |
| ART | 114 | Art History II | 3 |
| ART | 160 | Fundamentals of Three Dimensional Design | 3 |
| ART | 208 | Color Theory | 3 |
| ART | 210 | Drawing II | 3 |
| ART | 497 | Senior Thesis I | 3 |
| ART | 498 | Senior Thesis II | <u>3</u> |
| | | | 27 |

Select 15 Hours from the following:

| | | | |
|-----|-----|-----------------------|------------|
| ART | 260 | Sculpture I | (3) |
| ART | 261 | Ceramics I | (3) |
| ART | 262 | Painting I | (3) |
| ART | 263 | Printmaking I | (3) |
| ART | 264 | Digital Photography I | (3) |
| ART | 265 | Graphic Design I | (3) |
| ART | 266 | New Media I | <u>(3)</u> |
| | | | 15 |

Choose at least one concentration area:

| | | | HOURS |
|--|-----|-------------------------|--------------|
| Ceramics Concentration | | | |
| ART | 361 | Ceramics II | 3 |
| ART | 461 | Ceramics III | 3 |
| ART | 481 | Ceramics IV | <u>3</u> |
| | | | 9 |
| Digital Photography Concentration | | | |
| ART | 364 | Digital Photography II | 3 |
| ART | 464 | Digital Photography III | 3 |
| ART | 484 | Digital Photography IV | <u>3</u> |
| | | | 9 |
| Graphic Design Concentration | | | |
| ART | 365 | Graphic Design II | 3 |
| ART | 405 | Internship I | 3 |
| ART | 406 | Internship II | 3 |
| ART | 465 | Graphic Design III | 3 |
| ART | 485 | Graphic Design IV | <u>3</u> |
| | | | 15 |
| New Media Concentration | | | |
| ART | 366 | New Media II | 3 |
| ART | 466 | New Media III | 3 |
| ART | 486 | New Media IV | <u>3</u> |
| | | | 9 |
| Painting Concentration | | | |
| ART | 362 | Painting I | 3 |
| ART | 462 | Painting III | 3 |
| ART | 482 | Painting IV | <u>3</u> |
| | | | 9 |
| Printmaking Concentration | | | |
| ART | 363 | Printmaking II | 3 |
| ART | 463 | Printmaking III | 3 |
| ART | 483 | Printmaking IV | <u>3</u> |
| | | | 9 |
| Sculpture Concentration | | | |
| ART | 360 | Sculpture II | 3 |
| ART | 460 | Sculpture III | 3 |
| ART | 480 | Sculpture IV | <u>3</u> |
| | | | 9 |
| Electives (May be within major) | | | 13-19 |

Visual Arts Minor

| | | | |
|-----|-----|--|-----------|
| ART | 111 | Introduction to Drawing | 3 |
| ART | 112 | Fundamentals of Two Dimensional Design | 3 |
| ART | 113 | Art History I | 3 |
| ART | 114 | Art History II | 3 |
| ART | 160 | Fundamentals of Three Dimensional Design | 3 |
| ART | 208 | Color Theory | <u>3</u> |
| | | | 18 |

Select Six Hours from the following:

| | | | |
|-----|-----|-------------|-----|
| ART | 260 | Sculpture I | (3) |
| ART | 261 | Ceramics I | (3) |

VISUAL ARTS

| | | | HOURS |
|-----|-----|-----------------------|----------|
| ART | 262 | Painting I | (3) |
| ART | 263 | Printmaking I | (3) |
| ART | 264 | Digital Photography I | (3) |
| | | | <u>6</u> |

BA in Visual Arts – Ivy Tech Community College Cooperatives

Students completing this program will receive both a BA degree in Visual Art from Bethel College and Associates in Applied Science degree in Interior Design from IVY Tech Community College-South Bend.

| | | | |
|------|---------|---|-----------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History Elective (INT 109 History of Interiors for Interior Design) | 3 |
| | | Literature | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 150 | Logic and Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | <u>1</u> |
| | | | 51 |

Major Core taken at Bethel

| | | | |
|-----|-----|---|-----------|
| ART | 111 | Introduction to Drawing | 3 |
| ART | 112 | Fundamentals of Two Dimensional Design | 3 |
| ART | 113 | Art History I | 3 |
| ART | 114 | Art History II | 3 |
| ART | 160 | Fundamentals of Three Dimensional Design | 3 |
| ART | 208 | Color Theory | 3 |
| ART | 210 | Drawing II | 3 |
| ART | 260 | Sculpture I | 3 |
| ART | 262 | Painting I | 3 |
| ART | 264 | Digital Photography I | 3 |
| ART | 265 | Graphic Design I | 3 |
| ART | 266 | New Media I (VIS 110 Web Design I for Web Design and Web Development) | 3 |
| ART | 497 | Senior Thesis I | 3 |
| ART | 498 | Senior Thesis II | <u>3</u> |
| | | | 42 |

Interior Design Concentration

Major Core taken at IVY Tech

| | | | |
|-----|-----|---------------------------------|---|
| INT | 102 | Drafting and Construction | 3 |
| INT | 103 | Introduction to Interior Design | 3 |

| | | | HOURS |
|-----|-----|-------------------------------|--------------|
| INT | 104 | Textiles for Interior Design | 3 |
| INT | 105 | Design Presentations | 3 |
| INT | 108 | Interior Design II | 3 |
| INT | 109 | History of Interiors I | 3 |
| INT | 115 | Beginning CAD for Designers | 3 |
| INT | 200 | Lighting and Building Systems | 3 |
| INT | 201 | Interior Materials | 3 |
| INT | 202 | Contract Design | 3 |
| INT | 203 | Professional Practices | 3 |
| INT | 204 | Interior Design III | 3 |
| INT | 215 | Advanced CAD and Rendering | <u>3</u> |
| | | | 39 |

Total Credits to Graduate **129**

Web Design Concentration

Major Core taken at IVY Tech

| | | | |
|-----|-----|---------------------------------------|-----------|
| VIS | 102 | Fundamentals of Imaging | 3 |
| VIS | 103 | Interactive Media | 3 |
| VIS | 105 | Video and Sound | 3 |
| VIS | 110 | Web Design I | 3 |
| VIS | 113 | Typography | 3 |
| VIS | 115 | Introduction to Computer Graphics | 3 |
| VIS | 116 | Electronic Illustration | 3 |
| VIS | 201 | Electronic Imaging | 3 |
| VIS | 205 | Business Practices for Visual Artists | 3 |
| VIS | 209 | 3D Rendering and Animation | 3 |
| VIS | 210 | Web Design II | 3 |
| VIS | 211 | Interactive Media II or | 3 |
| VIS | 212 | 3D Rendering and Modeling II | (3) |
| VIS | 213 | Advanced Electronic Imaging | <u>3</u> |
| | | | 39 |

Total Credits to Graduate **129**

Web Development Concentration

Major Core taken at IVY Tech

| | | | |
|-----|-----|---------------------------------------|-----------|
| CIS | 125 | Database Design and Management | 3 |
| CIS | 131 | Structured Query Language | 3 |
| CIS | 257 | Advanced Web Site Development | 3 |
| CIS | 259 | Web Administration | 3 |
| CIS | 282 | Special Topics | 3 |
| VIS | 102 | Fundamentals of Imaging | 3 |
| VIS | 103 | Interactive Media I | 3 |
| VIS | 110 | Web Design I | 3 |
| VIS | 113 | Typography | 3 |
| VIS | 115 | Introduction to Computer Graphics | 3 |
| VIS | 201 | Electronic Imaging | 3 |
| VIS | 205 | Business Practices for Visual Artists | 3 |
| VIS | 210 | Web Design II | 3 |
| VIS | 213 | Advanced Electronic Imaging | <u>3</u> |
| | | | 42 |

Total Credits to Graduate **132**

Pre Art Therapy Major

| | | | HOURS |
|------|---------|----------------------------------|--------------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History Elective | 3 |
| | | Literature | 3 |
| MATH | 111 | Basic Probability & Statistics | 3 |
| BIOL | 115 | Human Biology | 4 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 150 | Logic and Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | 1 |
| | | | 51 |

Social Science Core

| | | | |
|------|-----|-----------------------------------|-----------|
| PSYC | 280 | History and Systems of Psychology | 3 |
| PSYC | 288 | Life Span Development | 3 |
| PSYC | 385 | Learning and Memory | 3 |
| PSYC | 386 | Personality Theories | 3 |
| PSYC | 387 | Psychological Measurement | 3 |
| PSYC | 391 | Biological Psychology | 3 |
| PSYC | 481 | Abnormal Psychology | 4 |
| PSYC | 482 | Senior Seminar | 1 |
| SS | 374 | Research Methods I | 3 |
| SS | 378 | Research Methods II | 3 |
| | | | 29 |

Select Six Hours from the following:

| | | | |
|-----|-----|-------------------------------|----------|
| SOC | 202 | Race and Ethnicity | (3) |
| SOC | 203 | Sociology/Psychology of Aging | (3) |
| SOC | 251 | Social Psychology | (3) |
| SOC | 252 | Marriage and Family | (3) |
| SOC | 257 | Human Sexuality | (3) |
| | | | 6 |

Art Core

| | | | |
|-----|-----|--|-----------|
| ART | 111 | Introduction to Drawing | 3 |
| ART | 112 | Fundamentals of Two Dimensional Design | 3 |
| ART | 113 | Art History I | 3 |
| ART | 114 | Art History II | 3 |
| ART | 160 | Fundamentals of Three Dimensional Design | 3 |
| ART | 208 | Color Theory | 3 |
| ART | 303 | Methods in Pre Art Therapy | 3 |
| ART | 405 | Internship I (Fall Semester) | 3 |
| ART | 497 | Senior Thesis I | 3 |
| ART | 498 | Senior Thesis II | 3 |
| | | | 30 |

| | | | HOURS |
|--|-----|-----------------------|------------|
| Select Nine Hours from the following: | | | |
| ART | 260 | Sculpture I | (3) |
| ART | 261 | Ceramics I | (3) |
| ART | 262 | Painting I | (3) |
| ART | 263 | Printmaking I | (3) |
| ART | 264 | Digital Photography I | (3) |
| | | | <u>9</u> |
| | | | 125 |

Department of Music

Mission Statement

The Music Department at Bethel strives to bring each of its students to an understanding of the pedagogical, historical, and theoretical aspects of musical performance while striving for the highest levels of technical and artistic development in the teaching and performing of music. Furthermore, the Music Faculty believe that music is a gift from God, used to express all of the various human emotions, moods, values, and thoughts that are given to us. All musical performance and study (whether it is classical, jazz, contemporary, or sacred) is approached in light of biblical perspectives that (1) describe the making of music as an act of worship and (2) demand excellence as the norm of stewardship. As J.S. Bach eloquently stated: "The aim and fundamental reason of all music is none other than to be to the glory of God and the recreation of the spirit."

Believing music to be a gift, which reflects God's goodness to us, we seek to foster musical and spiritual growth in a nurturing environment for all members of the college community and the community at large. We strive to prepare qualified individuals for servant leadership in music education, performance, and church music.

The goals and objectives of the Department of Music are that students develop:

1. A comprehensive knowledge of representative achievements in music history theory, performance and pedagogy.
2. A high level of performance skill on their applied instruments and/or voice.
3. Skill in secondary performance media.
4. An understanding and appreciation of music as a cultural influence.
5. Knowledge of the musical art forms used in worship.
6. Awareness of music and worship in a global community.
7. Familiarity with music technology.

NOTE CONCERNING MUSIC STUDENTS:

1. Entering students must apply for admission to the music program and audition in the proposed principal performance area and then apply for admission to the music program in their first year of study.
2. Each major or minor must enroll in Class Piano (MUAP 141) for completion of the piano proficiency requirement or be able to display proficiency.
3. Each major or minor takes an applied examination (jury) at the end of each semester.
4. Each major must perform in Performance Class at least once each semester of applied study. Minors must perform once a year.
5. Each major must apply for upper division study before the second semester sophomore jury. Status will be determined after that jury.
6. Major Ensemble credit is given for Concert Choir, Orchestra, Concert Band and Women's Chorale.
7. Because of the course load required, Music Education students should plan on five years for completion.
8. All baccalaureate degrees are B.A.

HOURS

Church Music Minor

| | | | |
|------|-----|------------------------------------|-----------|
| MUTH | 122 | Music Theory I | 3 |
| MUTH | 123 | Sight Singing/Ear Training I | 1 |
| MUTH | 221 | Music Theory II | 3 |
| MUED | 210 | Music Technology for Educators | 1 |
| MUED | 237 | Church Music Ministry & Literature | 3 |
| MUED | 333 | Basic Conducting | 2 |
| MUED | 334 | Advanced Choral Conducting, or | 2 |
| MUED | 335 | Advanced Instrumental Conducting | (2) |
| MUED | 357 | Church Music Internship | 3 |
| MULH | 341 | Music & Worship | 3 |
| MUAP | 151 | Piano Lessons, or | 4 |
| MUAP | 171 | Voice Lessons, or | (4) |
| MUAP | 181 | Orchestral Instrument Lessons | (4) |
| MUEN | | Large Ensemble (4 semesters) | 0 |
| | | | <u>25</u> |

Music Minor

| | | | |
|------|-----|------------------------------------|-----------|
| MUTH | 121 | Elements of Music | 3 |
| MUTH | 122 | Music Theory I | 3 |
| MUED | 333 | Basic Conducting | 2 |
| MUAP | 180 | Performance Class (four semesters) | 0 |
| MUAP | 151 | Piano Lessons, or | 4 |
| MUAP | 171 | Voice Lessons, or | (4) |
| MUAP | 181 | Orchestral Instrument | (4) |
| | | Major Ensemble (four semesters) | 4 |
| | | | <u>16</u> |

Music Education - Choose one concentration

General Studies

| | | | |
|------|---------|------------------------------------|-----------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language | 6 |
| MATH | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| HIST | 246 | Introduction to World Civilization | 3 |
| LIT | | Literature | 3 |
| FA | 170 | Perspectives in Fine Arts | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| | | | <u>54</u> |

Core Courses

| | | | |
|------|-----|-------------------------------|---|
| MUTH | 121 | Elements of Music | 3 |
| MUTH | 122 | Music Theory I | 3 |
| MUTH | 123 | Sight Singing/Ear Training I | 1 |
| MUTH | 221 | Music Theory II | 3 |
| MUTH | 222 | Sight Singing/Ear Training II | 1 |
| MUTH | 223 | Music Theory III | 3 |

| | | | HOURS |
|------|-----|--------------------------------------|--------------|
| MUTH | 321 | Form & Analysis | 2 |
| MUED | 333 | Basic Conducting | 2 |
| MULH | 243 | Music of the Middle Ages/Renaissance | 3 |
| MULH | 244 | Music of the Baroque/Classical Eras | 3 |
| MULH | 343 | Music of the Romantic Era | 2 |
| MULH | 344 | Music of the 20th Century | 2 |
| | | Major Ensemble (eight semesters) | 8 |
| MUAP | 180 | Performance Class (seven semesters) | <u>0</u> |
| | | | 36 |

Choose one concentration area

Concentration I: Choral & General

Music Education Courses

| | | | |
|------|---------|---|-----------|
| MUED | 210 | Music Technology for Educators | 1 |
| MUED | 345 | Methods & Materials for Teaching Early Childhood Music | 2 |
| MUED | 346 | Teaching Practicum for Teaching Early Childhood Music | 0 |
| MUED | 347 | Methods & Materials for Teaching Middle Childhood Music | 2 |
| MUED | 348 | Teaching Practicum for Middle Childhood Music | 0 |
| MUED | 334 | Advanced Choral Conducting | 2 |
| MUAP | 480 | Senior Recital | 1 |
| MUAP | 171-371 | Voice Lessons | <u>8</u> |
| | | | 16 |

Professional Education

| | | | |
|------|-----|---|--------------|
| EDUC | 102 | Foundations of Education | 3 |
| EDUC | 204 | Diversity in the Classroom | 3 |
| EDUC | 205 | Educational Pedagogy I | 3 |
| EDUC | 305 | Educational Pedagogy II | 3 |
| PSYC | 287 | School Age Growth & Development | 3 |
| SCED | 442 | Materials & Methods for Teaching Choral Music | 3 |
| SCED | 450 | Teaching Practicum in Choral Music Education | 0 |
| SCED | 449 | Student Teaching | 12 |
| EDUC | 441 | Professional Education Seminar | <u>0-2</u> |
| | | | 30-32 |

Concentration II: Instrumental & General

Music Education Courses

| | | | |
|------|---------|---|-----------|
| MUED | 231 | String Instruments | 2 |
| MUED | 232 | Woodwind Instruments | 2 |
| MUED | 233 | Brass Instruments | 2 |
| MUED | 234 | Percussion Instruments | 2 |
| MUED | 210 | Music Technology for Educators | 1 |
| MUED | 240 | Marching Band Techniques | 1 |
| MUED | 345 | Methods & Materials for Teaching Early Childhood Music | 2 |
| MUED | 346 | Teaching Practicum for Teaching Early Childhood Music | 0 |
| MUED | 347 | Methods & Materials for Teaching Middle Childhood Music | 2 |
| MUED | 348 | Teaching Practicum for Middle Childhood Music | 0 |
| MUAP | 145 | Elective Voice | 1 |
| MUED | 335 | Advanced Instrumental Conducting | 2 |
| MUAP | 181-381 | Orchestral Instrument Lessons | 8 |
| MUAP | 480 | Senior Recital | <u>1</u> |
| | | | 26 |

| | | | HOURS |
|-------------------------------|-----|--|--------------|
| Professional Education | | | |
| EDUC | 102 | Foundations of Education | 3 |
| EDUC | 204 | Diversity in the Classroom | 3 |
| EDUC | 205 | Educational Pedagogy I | 3 |
| EDUC | 305 | Educational Pedagogy II | 3 |
| PSYC | 287 | School Age Growth & Development | 3 |
| SCED | 440 | Materials & Methods for Teaching Instrumental Music | 3 |
| SCED | 439 | Teaching Practicum in Instrumental Music Education | 0 |
| SCED | 449 | Student Teaching | 12 |
| EDUC | 441 | Professional Education Seminar | <u>0-2</u> |
| | | | 30-32 |

Concentration III: Choral, General & Instrumental

| | | | |
|--------------------------------|---------|--|-----------|
| Music Education Courses | | | |
| MUED | 210 | Music Technology for Educators | 1 |
| MUED | 232 | Woodwind Instruments | 2 |
| MUED | 233 | Brass Instruments | 2 |
| MUED | 234 | Percussion Instruments | 2 |
| MUED | 240 | Marching Band Techniques | 1 |
| MUED | 345 | Methods & Materials for Teaching Early Childhood Music | 2 |
| MUED | 346 | Teaching Practicum in Early Childhood Music | 0 |
| MUED | 347 | Methods & Materials for Teaching Middle Childhood Music | 2 |
| MUED | 348 | Teaching Practicum in Middle Childhood Music | 0 |
| MUED | 334 | Advanced Choral Conducting, or | 2 |
| MUED | 335 | Advanced Instrumental Conducting | (2) |
| MUAP | 181-381 | Orchestral Instrument Lessons, or | 8 |
| MUAP | 171-371 | Voice Lessons, or | (8) |
| MUAP | 151-351 | Piano Lessons | (8) |
| MUAP | 480 | Senior Recital | <u>1</u> |
| | | | 23 |

| | | | |
|-------------------------------|-----|--|--------------|
| Professional Education | | | |
| EDUC | 102 | Foundations of Education | 3 |
| EDUC | 204 | Diversity in the Classroom | 3 |
| EDUC | 205 | Educational Pedagogy I | 3 |
| EDUC | 305 | Educational Pedagogy II | 3 |
| PSYC | 287 | School Age Growth & Development | 3 |
| SCED | 442 | Materials & Methods for Teaching Choral Music | 3 |
| SCED | 450 | Teaching Practicum in Choral Music Education | 0 |
| SCED | 440 | Materials & Methods for Teaching Instrumental Music | 3 |
| SCED | 439 | Teaching Practicum in Instrumental Music Education | 0 |
| SCED | 449 | Student Teaching | 12 |
| EDUC | 441 | Professional Education Seminar | <u>0-2</u> |
| | | | 33-35 |

Music Performance Major (Voice, Piano or Instrument)

| | | | |
|------------------------|-----|-----------------------------|-----|
| General Studies | | | |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |

MUSIC

| | | | HOURS |
|------|---------|---|-----------|
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (French or German preferred) | 6 |
| | | History Elective | 3 |
| | | Art/Drama/Music Literature | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| | | | <u>54</u> |

Core Courses

| | | | |
|------|-----|--------------------------------------|-----------|
| MUTH | 121 | Elements of Music | 3 |
| MUTH | 122 | Music Theory I | 3 |
| MUTH | 123 | Sight Singing/Ear Training I | 1 |
| MUTH | 221 | Music Theory II | 3 |
| MUTH | 222 | Sight Singing/Ear Training II | 1 |
| MUTH | 223 | Music Theory III | 3 |
| MUTH | 321 | Form & Analysis | 2 |
| MUED | 333 | Basic Conducting | 2 |
| MULH | 243 | Music of the Middle Ages/Renaissance | 3 |
| MULH | 244 | Music of the Baroque/Classical Eras | 3 |
| MULH | 343 | Music of the Romantic Era | 2 |
| MULH | 344 | Music of the 20th Century | 2 |
| | | Major Ensemble (eight semesters) | 8 |
| MUAP | 180 | Performance Class (seven semesters) | 0 |
| | | | <u>36</u> |

Performance Concentration - Voice

| | | | |
|------|-----------|----------------------------------|-----------|
| MUTH | 322 | Orchestration, or | 2 |
| MUTH | 323 | Choral Arranging | (2) |
| MUED | 334 | Advanced Choral Conducting, or | 2 |
| MUED | 335 | Advanced Instrumental Conducting | (2) |
| MUED | 340 | Vocal Diction I | 1 |
| MUED | 341 | Vocal Diction II | 1 |
| MUED | 350 | Vocal Pedagogy | 2 |
| MULH | 345 | Vocal Literature | 2 |
| MUAP | 380 | Junior Recital | 1 |
| MUAP | 480 | Senior Recital | 1 |
| MUAP | 171 & 371 | Voice Lessons | 12 |
| | | | <u>24</u> |

Electives needed to complete the degree 10

Performance Concentration - Piano

| | | | |
|------|-----------|----------------------------------|-----------|
| MUTH | 322 | Orchestration, or | 2 |
| MUTH | 323 | Choral Arranging | (2) |
| MUED | 334 | Advanced Choral Conducting, or | 2 |
| MUED | 335 | Advanced Instrumental Conducting | (2) |
| MUED | 349 | Piano Pedagogy | 3 |
| MUAP | 145 | Elective Voice, or | 2 |
| MUAP | 171 | Voice Lessons | (2) |
| MULH | 346 | Piano Literature | 2 |
| MUAP | 380 | Junior Recital | 1 |
| MUAP | 480 | Senior Recital | 1 |
| MUAP | 151 & 351 | Piano Lessons | 12 |
| | | | <u>25</u> |

| | | | HOURS |
|---|-----------|----------------------------------|--------------|
| Electives needed to complete the degree | | | 9 |
| Performance Concentration - Instrument | | | |
| MUTH | 322 | Orchestration, or | 2 |
| MUTH | 323 | Choral Arranging | (2) |
| MUED | 334 | Advanced Choral Conducting, or | 2 |
| MUED | 335 | Advanced Instrumental Conducting | (2) |
| MUED | 351 | Instrumental Pedagogy | 2 |
| MUAP | 145 | Elective Voice, or | 2 |
| MUAP | 171 | Voice Lessons | (2) |
| MUAP | 380 | Junior Recital | 1 |
| MUAP | 480 | Senior Recital | 1 |
| MUAP | 181 & 381 | Orchestral Instrument | <u>12</u> |
| | | | 22 |
| Electives needed to complete the degree | | | 12 |
| See note on page 74. | | | |

Department of Theatre Arts**Mission Statement**

The mission of the Bethel College Theatre Arts Department is rooted within the Christian and liberal arts traditions to prepare students for further study and work in theatre as a professional career and as a ministry. The program instills within the students a thorough knowledge of theatre history, an understanding of the various philosophies found in theatrical genre and presentation, and a practical, professional approach to the preparation and presentation of a theatrical production.

Learning Outcomes

A successful graduate of the theatre program is expected to function in many artistic roles. To achieve this goal, students will

- be involved in the creation and presentation of theatrical performances;
- understand the basic production processes related to productions in acting, directing, designing (scenery, costumes, lighting, or make up), or technical operations;
- develop an understanding and competence in various theatre techniques;
- demonstrate knowledge of the historical and cultural dimensions of theatre through the study of significant playwrights, actors, directors, and designers;
- develop a standard to intellectually assess the quality of theatrical presentations.

Theatre Arts Major

| | | | HOURS |
|------------------------|---------|-------------------------------|------------|
| General Studies | | | |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Modern Language | 6 |
| | | History Elective | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 51 |

| | | | HOURS |
|----------------------|-----|----------------------------|--------------|
| Major | | | |
| THTR | 110 | Introduction to Theatre | 3 |
| THTR | 130 | Acting I | 3 |
| THTR | 131 | Script Analysis | 3 |
| THTR | 210 | Special Topics (0.5 x 4) | 2 |
| THTR | 240 | Stagecraft | 2 |
| THTR | 211 | Stage Makeup | 3 |
| THTR | 260 | Directing I | 3 |
| THTR | 320 | Western Theater History I | 3 |
| THTR | 321 | Western Theater History II | 3 |
| THTR | 340 | Scene Design | 3 |
| THTR | 440 | Costume History & Design | 3 |
| THTR | 451 | Senior Seminar | 2 |
| THTR | 460 | Directing II | 3 |
| Choice of One | | | 3 |
| THTR | 230 | Acting II | (3) |
| THTR | 345 | Lighting Design | (3) |
| | | | 39 |

After completion of 39 credit hours, choose a second major or
 Select 12 hours from the following:

| | | | |
|------|-----|----------------------------------|-----------|
| | | | 12 |
| THTR | 120 | Introduction to Musical Theatre | (3) |
| THTR | 140 | Basic Ballet Techniques I | (2) |
| THTR | 141 | Basic Ballet Techniques II | (2) |
| THTR | 170 | Drama Production I | (1-3) |
| THTR | 210 | Special Topics (0.5 credit each) | (0.5-1) |
| THTR | 212 | Playwriting I | (3) |
| THTR | 213 | Stage Management | (3) |
| THTR | 220 | Religious Drama | (2) |
| THTR | 230 | Acting II | (3) |
| THTR | 231 | Acting in Musical Theatre | (3) |
| THTR | 232 | Jazz Technique | 2 |
| THTR | 233 | Tap Technique | 2 |
| THTR | 280 | Performance Ensemble | (1-2) |
| THTR | 345 | Lighting Design | (3) |
| THTR | 335 | Costume Construction | (3) |
| THTR | 370 | Drama Production II | (1-3) |
| THTR | 430 | World Theatre History | (3) |
| THTR | 474 | Independent Study in Theatre | (1-3) |
| THTR | 476 | Fieldwork in Theatre | (1-3) |
| LIT | 325 | Shakespeare | (3) |
| ART | 111 | Drawing I | (3) |
| ART | 215 | Painting I | (3) |
| | | | 12 |

Electives needed to complete the degree 22

Theatre Minor

| | | | |
|------|-----|--------------------------|---|
| THTR | 110 | Introduction to Theatre | 3 |
| THTR | 130 | Acting I | 3 |
| THTR | 131 | Script Analysis | 3 |
| THTR | 170 | Drama Production I | 1 |
| THTR | 210 | Special Topics (0.5 x 2) | 1 |
| THTR | 240 | Stagecraft | 2 |

FINE ARTS

| | | | HOURS |
|---------------------------------------|-----|---------------------------------|--------------|
| THTR | 260 | Directing I | 3 |
| THTR | 320 | Western Theater History I | <u>3</u> |
| | | | 19 |
| Select five hours from the following: | | | 5 |
| THTR | 120 | Introduction to Musical Theatre | (3) |
| THTR | 140 | Basic Ballet Technique I | (2) |
| THTR | 141 | Basic Ballet Technique II | (2) |
| THTR | 170 | Drama Production I | (1-3) |
| THTR | 210 | Special Topics (0.5) | (0.5-1) |
| THTR | 212 | Playwriting I | (3) |
| THTR | 220 | Religious Drama | (2) |
| THTR | 230 | Acting II | (3) |
| THTR | 345 | Lighting Design | (3) |
| THTR | 474 | Independent Study in Theatre | (1-3) |
| THTR | 476 | Fieldwork in Theatre | (3-4) |

Musical Theatre Minor

| | | | |
|---------------------|-----|-----------------------------------|-----------|
| THTR | 120 | Introduction to Musical Theatre | 3 |
| THTR | 130 | Acting I | 3 |
| THTR | 140 | Basic Ballet Techniques I | 2 |
| THTR | 231 | Acting Musical Theatre | 3 |
| THTR | 232 | Jazz Technique | 2 |
| THTR | 233 | Tap Technique | 2 |
| MUAP | 145 | Elective Voice Lessons | 4 |
| MUAP | 146 | Elective Piano Lessons | 2 |
| | | (will also accept MUAP 141 & 142) | |
| MUTH | 121 | Elements of Music | <u>3</u> |
| | | | 24 |
| Suggested Electives | | | |
| MUTH | 122 | Music Theory | 3 |
| MUTH | 123 | Sight Singing/Ear Training I | 1 |
| THTR | 280 | Performance Ensemble | 1-2 |
| THTR | 260 | Directing I | 3 |

Department of Communication

Mission Statement

Communication is central to the way humans bear the image of God. In the development of this important capacity, the Department of Communication seeks to develop the rhetorical abilities of all Bethel students and to equip its majors to serve in the fields of journalism, public relations, and careers in broadcasting and media communication, as well to prepare for graduate studies. Our department fosters critical thinking, excellence in oral and written expression, ethical decision making, and an appreciation of all human symbolic activities. The Bethel community is enriched through our journalistic programs: Pilot Radio, student-generated newspaper The Beacon, and annual yearbook entitled The Helm. In addition, communication students regularly participate in a variety of fieldwork, internship and community service opportunities in the areas of broadcasting, journalism, and public relations. Students learn to integrate a Christian worldview with valuable vocational skills. Student education culminates in a professional portfolio showcasing the growth of acquired communication skills and the development of a personal career plan.

Communication Major

| | | HOURS | |
|------------------------|---------|--|------------|
| General Studies | | | |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Modern Language | 6 |
| | | History | 3 |
| | | Art/Drama/Music | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| LIT | 227 | World Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activity | <u>1.5</u> |
| | | | 54 |
| Major (Core) | | | |
| COMM | 105 | Foundations in Communication | 3 |
| COMM | 250 | Portfolio Preparation | 1 |
| COMM | 251 | Introduction to Public Relations | 3 |
| COMM | 272 | Introduction to Interpersonal Communication | 3 |
| COMM | 360 | Communication Theory | 3 |
| COMM | 371 | Mass Media & Society: Secular & Christian Perspectives | 3 |
| COMM | 375 | Persuasion | 3 |

COMMUNICATION

| | | | HOURS |
|---|---------|--|--------------|
| COMM | 440 | Media Ethics | 3 |
| COMM | 450 | Portfolio Completion | _1 |
| | | | 23 |
| Choice of six hours: Introductory Offerings | | | 6 |
| COMM | 252 | Public Relations Writing & Production | (3) |
| COMM | 273 | Projects in Public Speaking | (2) |
| COMM | 275 | Broadcast Media Writing | (3) |
| COMM | 276 | Introduction to Advertising | (3) |
| COMM | 278 | Radio & TV Announcing | (2) |
| JRNL | 211 | Basic News Writing | (3) |
| WRIT | 110 | The Writing Profession | (3) |
| Choice of six hours: Practical Offerings | | | 6 |
| ART | 265 | Graphic Design I | (3) |
| COMM | 282 | Radio Lab | (1) |
| COMM | 370 | Oral Interpretation | (2) |
| ITSC | 210 | Web Design | (3) |
| JRNL | 213 | Layout & Design | (3) |
| JRNL | 216 | Newspaper Lab | (1-2) |
| JRNL | 219 | Yearbook Lab | (1-2) |
| WRIT | 210/410 | Marketing a Manuscript | (3) |
| Choice of six hours: Advanced Offerings | | | 6 |
| BADM | 322 | Marketing | (3) |
| COMM | 352 | Intercultural Communication | (3) |
| COMM | 380 | Radio & TV History & Theory | (3) |
| COMM | 382 | Radio & TV Production | (3) |
| COMM | 385 | Special Topics in Rhetoric | (3) |
| COMM | 387 | Communication /PR Research | (3) |
| COMM | 445 | Public Relations Strategy & Implementation | (3) |
| COMM | 461 | Broadcast Operations & Management | (3-4) |
| JRNL | 221 | Features & Nonfiction Writing | (3) |
| JRNL | 301 | Editing | (3) |
| Each student is required to complete at least one COMM Fieldwork or Internship | | | 2-4 |
| Other electives needed to complete the degree | | | 25-27 |
| | | | 124 |

Concentration Areas

A student may choose to select an area of concentration in lieu of the Introductory, Practical and Advanced Offerings under the traditional Communication major. In this case, students would complete the General Studies and Major (Core) courses required and select a concentration in Journalism or Public Relations.

Journalism Concentration

| | | | |
|------|-----|-----------------------------------|-------|
| COMM | 275 | Broadcast Media Writing | 3 |
| COMM | 278 | Radio & TV Announcing | 3 |
| COMM | 380 | Radio & TV History & Theory, or | 3 |
| COMM | 461 | Broadcast Operations & Management | (3-4) |
| ITSC | 210 | Web Design | 3 |
| JRNL | 211 | Basic News Writing | 3 |
| JRNL | 213 | Layout & Design | 3 |
| JRNL | 216 | Newspaper Lab | 1 |
| JRNL | 221 | Features & Nonfiction Writing | 3 |

| | | | HOURS |
|------|-----|--------------------------|--------------|
| JRNL | 314 | Fieldwork in Journalism | 2-3 |
| JRNL | 414 | Internship in Journalism | <u>3-4</u> |
| | | | 27-30 |

Elective hours **17-20**

| | | | |
|--------------------------------|-----|--|--------------|
| Public Relations Concentration | | | |
| ART | 265 | Graphic Design | 3 |
| ART | 264 | Digital Photography, or | 3 |
| ART | 266 | New Media I | (3) |
| BADM | 322 | Principles of Marketing | 3 |
| COMM | 252 | Public Relations Writing | 3 |
| COMM | 352 | Intercultural Communication | 3 |
| COMM | 386 | Fieldwork in Communication | 2-3 |
| COMM | 387 | Communication/PR Research | 3 |
| COMM | 445 | Public Relations Strategy & Implementation | 3 |
| COMM | 476 | Internship in Communication | <u>3-4</u> |
| | | | 26-28 |

Elective hours **18-20**

Communication Minor

| | | | |
|--|-----|--|-----------|
| COMM | 105 | Foundations in Communication | 3 |
| COMM | 272 | Introduction to Interpersonal Communication | 3 |
| COMM | 371 | Mass Media & Society: Secular & Christian Perspectives | 3 |
| Choice of One | | | 3 |
| COMM | 360 | Communication Theory | (3) |
| COMM | 375 | Persuasion | (3) |
| Select six hours from COMM or JRNL to complete the minor | | | <u>6</u> |
| | | | 18 |

Cross-Cultural Communication Minor

| | | | |
|------|-----|---|-----------|
| COMM | 272 | Introduction to Interpersonal Communication | 3 |
| COMM | 352 | Intercultural Communication | 3 |
| COMM | 385 | Special Topics in Rhetoric: Rhetoric of Racial Reconciliation | 3 |
| COMM | 385 | Special Topics in Rhetoric: Rhetoric of Gender | 3 |
| IS | 304 | Language Acquisition & Cultural Adaptation | 3 |
| SOC | 202 | Race & Ethnicity | <u>3</u> |
| | | | 18 |

Journalism Minor

| | | | |
|------|-----|--|-----------|
| COMM | 275 | Broadcast Media Writing | 3 |
| COMM | 371 | Mass Media & Society: Secular & Christian Perspectives | 3 |
| JRNL | 211 | Basic News Writing | 3 |
| JRNL | 213 | Layout & Design | 3 |
| JRNL | 216 | Newspaper Laboratory | 3 |
| JRNL | 221 | Features & Nonfiction Writing | <u>3</u> |
| | | | 18 |

COMMUNICATION

Public Relations Minor

| | | | HOURS |
|------|-----|--|-----------|
| ART | 265 | Graphic Design | 3 |
| BADM | 322 | Principles of Marketing | 3 |
| COMM | 251 | Introduction to Public Relations | 3 |
| COMM | 252 | Public Relations Writing & Production | 3 |
| COMM | 387 | Communication/PR Research | 3 |
| COMM | 445 | Public Relations Strategy & Implementation | <u>3</u> |
| | | | 18 |

Radio Broadcast Minor

| | | | |
|------|-----|---|-----------|
| COMM | 275 | Broadcast Media Writing | 3 |
| COMM | 278 | Radio & TV Announcing | 3 |
| COMM | 282 | Radio Laboratory | 2 |
| COMM | 371 | Mass Media & Society: Secular & Christian Perspectives | 3 |
| COMM | 382 | Radio & TV Production | 3 |
| COMM | 380 | Radio & TV History & Theory | 3 |
| COMM | 461 | Broadcast Operations & Management | <u>3</u> |
| | | | 20 |

Department of English

Mission Statement

As a body of learners in Christ, we strive to integrate biblical faith with our writing and reading in order to understand and change the world. Our prayer is to encourage development of students and faculty into "good citizens speaking well" (Quintilian); we strive to give students the opportunities and resources to command language for God's kingdom.

Department Goals

Students graduating with majors from the department of English at Bethel College should be able to handle the English language well, including reading well and writing well. Such ability should prepare them for graduate study or for a variety of vocations that require reading, writing, research, critical thinking, or linguistic knowledge. These vocations might include teaching, professional writing, editing, library science, law, and Christian ministries.

The department's aim is to produce graduates who have a lasting love for good literature and the ability to write with creativity, clarity, and coherence.

Our students gain:

- knowledge of the grammar and usage of the English language,
- broad knowledge of major texts and authors of both western and non-western literary traditions,
- deep appreciation of the written word's power to prompt spiritual formation and character development,
- and a desire to remain life-long readers, writers, and learners.

Department Standards

Our graduates will be able to do the following:

1. Analyze the structure and appropriateness of any English sentence or discourse.
2. Understand a wide range of both western and non-western literature, including many periods and genres.
3. Apply a variety of strategies to comprehend, interpret, evaluate, and appreciate texts.
4. Write with a variety of strategies using different writing process elements appropriately to communicate with different audiences for a variety of purposes.
5. Conduct research by posing questions and generating ideas. They gather, evaluate, and synthesize data from a variety of sources (e.g., print and non-print texts, artifacts, people) to create and communicate knowledge.

6. Participate as knowledgeable, reflective, creative, and critical members of a variety of literate communities.

English Major

| | | | HOURS |
|--------------------------------------|---------|----------------------------------|--------------|
| General Studies | | | |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Modern Language | 6 |
| | | History | 3 |
| | | Art/Drama/Music | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| LIT | 227 | World Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| | | | 54 |
| Major | | | |
| ENGL | 250 | Portfolio Preparation | 1 |
| ENGL | 450 | Portfolio Completion | 1 |
| | | | 2 |
| Survey Courses (choose three) | | | 9 |
| LIT | 221 | American Literature I | (3) |
| LIT | 222 | American Literature II | (3) |
| LIT | 231 | British Literature I | (3) |
| LIT | 232 | British Literature II | (3) |
| Writing Courses | | | 6 |
| JRNL | 211 | Basic News Writing | 3 |
| WRIT | 221 | Writing Modes & Models | 3 |
| Literature (choose one) | | | 3 |
| LIT | 251 | Multicultural Literature | (3) |
| LIT | 325 | Shakespeare & His Contemporaries | (3) |
| LIT | 328 | Survey of Christian Literature | (3) |
| Linguistics | | | 3 |
| ENGL | 301 | Standard English Grammar | 3 |
| | | | 23 |

The above courses are to be supported by one of two tracks: Literature or Writing.

English Major: Literature Track

The Literature Track requires the general studies and the major core courses of the English major. Course work must be completed in the following areas:

| | | | |
|----------------------|-----|---------------------------------|-----|
| LIT | 372 | Literary Criticism & Theory | 3 |
| ENGL | 401 | History of the English Language | 3 |
| LIT | 421 | Seminar in Literature | 6 |
| Choice of Two | | | 6 |
| LIT | 361 | Short Story | (3) |

| | | | HOURS |
|-----|-----|------------|--------------|
| LIT | 362 | Novel | (3) |
| LIT | 363 | Drama | (3) |
| LIT | 364 | Poetry | (3) |
| LIT | 365 | Nonfiction | <u>(3)</u> |
| | | | 18 |

Electives needed to complete the degree 29

English Major: Writing Track

The Writing Track requires the general studies and the major core courses of the English major. Course work must be completed in the following areas:

| | | | |
|------|-----|---|---|
| COMM | 375 | Persuasion | 3 |
| ENGL | 303 | Creative Writing | 3 |
| ENGL | 371 | Advanced Composition: Theory & Practice | 3 |
| JRNL | 221 | Features & Nonfiction Writing | 3 |
| WRIT | 110 | The Writing Profession | 3 |

| | | | |
|----------------------|-----|--|-----|
| Choice of One | | | 3 |
| WRIT | 231 | Business & Technical Writing | (3) |
| JRNL | 301 | Editing | (3) |
| JRNL | 321 | Advanced Features & Nonfiction Writing | (3) |

| | | | |
|----------------------|-----|-------------|-----|
| Choice of One | | | 3 |
| LIT | 361 | Short Story | (3) |
| LIT | 362 | Novel | (3) |
| LIT | 363 | Drama | (3) |
| LIT | 364 | Poetry | (3) |
| LIT | 365 | Nonfiction | (3) |

| | | | |
|----------------------|-----|---------------------------------|------------|
| Choice of One | | | 3 |
| ENGL | 401 | History of the English Language | (3) |
| ENGL | 465 | Writing Practicum | (3-4) |
| LIT | 421 | Seminar in Literature | <u>(3)</u> |
| | | | 24 |

Electives needed to complete the degree 23

English Minor

| | | | |
|------------------------------------|-----|------------------------|-----|
| Survey Courses (choose one) | | | |
| LIT | 221 | American Literature I | 3 |
| LIT | 222 | American Literature II | (3) |
| LIT | 231 | British Literature I | (3) |
| LIT | 232 | British Literature II | (3) |
| LIT | 227 | World Literature | (3) |

| | | | |
|-----------------------|-----|------------------------|---|
| Writing Course | | | |
| WRIT | 221 | Writing Modes & Models | 3 |

| | | | |
|-------------------------------------|-----|-------------|-----|
| Literary Genres (choose one) | | | 3 |
| LIT | 361 | Short Story | (3) |
| LIT | 362 | Novel | (3) |
| LIT | 363 | Drama | (3) |
| LIT | 364 | Poetry | (3) |
| LIT | 365 | Nonfiction | (3) |

| | | | |
|---------------------------------------|-----|----------------------------------|-----|
| Literature Course (choose one) | | | 3 |
| LIT | 251 | Multicultural Literature | (3) |
| LIT | 325 | Shakespeare & His Contemporaries | (3) |
| LIT | 326 | Literature in the British Isles | (3) |

| | | | HOURS |
|--|-----|--|--------------|
| LIT | 328 | Survey of Christian Literature | (3) |
| LIT | 372 | Literary Criticism & Theory | (3) |
| Communication Course (choose one) | | | 2-3 |
| COMM | 370 | Oral Interpretation | (2) |
| COMM | 371 | Mass Media & Society: Secular & Christian Perspectives | (3) |
| Required 400 Level Course | | | |
| ENGL | 401 | History of the English Language | <u>3</u> |
| | | | 18 |

English Education Major

| General Studies | | | |
|------------------------|---------|------------------------------------|------------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| FA | 170 | Perspectives in the Fine Arts | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Modern Language (two semesters) | 6 |
| MATH | 111 | Basic Probability & Statistics | 3 |
| | | Science with Lab | 4 |
| HIST | 246 | Introduction to World Civilization | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 51 |

| Major | | | |
|--------------|-----|---|-----|
| ENGL | 301 | Standard English Grammar | 3 |
| ENGL | 371 | Advanced Composition: Theory & Practice | 3 |
| ENGL | 401 | History of the English Language, or | 3 |
| ENGL | 304 | Introductory Linguistics | (3) |
| LIT | 227 | World Literature, or | 3 |
| LIT | 251 | Multicultural Literature | (3) |
| LIT | 325 | Shakespeare & His Contemporaries | 3 |
| LIT | 329 | Adolescent Literature | 3 |
| LIT | 372 | Literary Criticism & Theory | 3 |
| LIT | 421 | Seminar in Literature | 3 |

| Literature Survey Courses (choose two) | | | |
|---|-----|--------------------------|-----|
| LIT | 221 | American Literature I | (3) |
| LIT | 222 | American Literature II | (3) |
| LIT | 227 | World Literature | (3) |
| LIT | 231 | British Literature I | (3) |
| LIT | 232 | British Literature II | (3) |
| LIT | 251 | Multicultural Literature | (3) |

| Media Laboratories (choose two) | | | |
|--|-----|----------------------|-------|
| COMM | 282 | Radio Laboratory | (1) |
| THTR | 170 | Drama Production I | (1-3) |
| JRNL | 216 | Newspaper Laboratory | (1) |
| JRNL | 219 | Yearbook Laboratory | (1) |

| Writing (choose one) | | | |
|-----------------------------|-----|------------------------|-----|
| JRNL | 211 | Basic News Writing | (3) |
| WRIT | 221 | Writing Modes & Models | (3) |

| | | | HOURS |
|-------------------------------------|-----|---------------------------------|--------------|
| Choice of One | | | 2-3 |
| COMM | 273 | Projects in Public Speaking | (2) |
| COMM | 370 | Oral Interpretation | (2) |
| COMM | 371 | Mass Media & Society | (3) |
| Literary Genres (choose one) | | | 3 |
| LIT | 361 | Short Story | (3) |
| LIT | 362 | Novel | (3) |
| LIT | 363 | Drama | (3) |
| LIT | 364 | Poetry | (3) |
| LIT | 365 | Nonfiction | (3) |
| | | | 40-42 |
| Professional Education | | | |
| EDUC | 102 | Foundations of Education | 3 |
| EDUC | 204 | Diversity in the Classroom | 3 |
| EDUC | 205 | Educational Pedagogy I | 3 |
| EDUC | 305 | Educational Pedagogy II | 3 |
| PSYC | 285 | Adolescent Growth & Development | 2 |
| SCED | 445 | Specific Methods in English | 3 |
| SCED | 448 | Content-Specific Literacy | 3 |
| SCED | 449 | Secondary Student Teaching | 8 |
| EDUC | 441 | Professional Education Seminar | 0-2 |
| | | | 28-30 |

Electives needed to complete degree 1-5

See *TEACHER EDUCATION* (page 150) for program admission and other information.

Professional Writing A.A. Degree

This major is available within both the Adult College and the traditional setting. As the two programs are formatted differently, only adult students may take the courses offered through the Adult College. The adult format is listed in Adult Studies.

The Professional Writing A.A. degree was created for students who want to confront our culture through the art of crafting words in a creative, clear and effective manner. Beyond quality instruction in the classroom, students are encouraged to apply their knowledge by using outside resources through numerous writing contests, internships and freelance writing opportunities. Professors in the program often serve as mentors, providing one-on-one guidance and direction for students pursuing a career in the writing profession including freelance writing, editing, newspaper and magazine journalism, advertising, public relations, layout and design, and book publishing.

Traditional Student Format

General Studies

| | | | |
|------|---------|------------------------------------|--------------|
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| COMM | 171 | Speech Communication | 3 |
| PSYC | 182 | General Psychology | 3 |
| SOC | 151 | Principles of Sociology | 3 |
| | | Music/Art/Literature/Drama | 3 |
| | | Mathematics/Science with Lab | 3-4 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| BIBL | 215 | Old Testament Literature, or | 3 |
| BIBL | 216 | New Testament Literature | (3) |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activity Course | 0.5 |
| | | | 30-31 |

ENGLISH

| | | | HOURS |
|---|---------|--|------------|
| Major Core | | | |
| JRNL | 211 | Basic News Writing | 3 |
| WRIT | 110 | The Writing Profession | 3 |
| WRIT | 210/410 | Marketing a Manuscript | 3 |
| WRIT | 221 | Writing Modes & Models | <u>3</u> |
| | | | 12 |
| Select 18 hours from the following: | | | |
| COMM | 251 | Introduction to Public Relations | (3) |
| COMM | 276 | Introduction to Advertising | (3) |
| COMM | 371 | Mass Media & Society | (3) |
| ENGL | 301 | Standard English Grammar | (3) |
| ENGL | 465 | Writing Practicum | (3-4) |
| JRNL | 213 | Layout & Design | (3) |
| JRNL | 221 | Features & Nonfiction Writing | (3) |
| JRNL | 301 | Editing | (3) |
| JRNL | 321 | Advanced Features & Nonfiction Writing | (3) |
| WRIT | 203 | Creative Writing | (3) |
| WRIT | 222/422 | Seminar in Writing | (3) |
| WRIT | 231 | Business & Technical Writing | (3) |
| WRIT | 241 | Writing for the Religious Market | (3) |
| WRIT | 251 | Independent Study in Writing | (1-3) |
| WRIT | 275 | Broadcast Media Writing | <u>(3)</u> |
| | | | 18 |
| Electives needed to complete the degree | | | 1-2 |

Department of Modern Language Studies

Mission Statement

Because proficiency in a foreign language is a valued asset among servants and leaders in the Church, in the community and in the world, the Bethel College department of foreign languages endeavors to provide graduates of our programs with demonstrably advanced spoken, written, cultural and literary proficiency in the languages we offer.

We propose to accomplish this mission by:

Emphasizing oral proficiency through regular opportunities to produce authentic language in culturally appropriate settings, in class-based dialogues and spoken exchanges, and in both formal and simulated Oral Proficiency Interviews.

Fostering competency in reading, writing, critical thinking and research in the foreign languages we offer by providing students with training in the development of strategies for comprehending, and analyzing literature, journalism, film, theatre and any of the other examples of texts in the foreign languages that students will encounter in cultures where these languages are spoken.

Offering culturally and linguistically immersive study-abroad programs which contribute to the development of proficiency at an advanced level in the use of a foreign language.

Rigorously and regularly assessing the progress of our students following the standards for oral and written proficiency as adopted by the American Council for the Teaching of Foreign Languages.

The department of foreign languages offers courses for the general studies curriculum and other programs in the following languages:

Chinese
French
German
Greek
Hebrew
Spanish

Spanish Major

| General Studies | | | HOURS |
|-----------------|-----|-----------------------------|-------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | History Elective | 3 |
| | | Art/Drama/Music | 3 |

MODERN LANGUAGE STUDIES

| | | | HOURS |
|------|---------|-------------------------------|-----------|
| | | Literature | 3 |
| | | College Level Mathematics | 3 |
| | | Science with Lab | 4 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>15</u> |
| | | | 48 |

Required courses

| | | | |
|---|----------|---|-----------|
| SPAN | 261* | Intermediate Spanish | 3 |
| SPAN | 265* | Textual Proficiency in Spanish | 3 |
| SPAN | 351 | Civilizations and Cultures of Latin Am. | 3 |
| SPAN | 352 | Civilizations and Cultures of Spain | 3 |
| SPAN | 360 | Advanced Grammar and Composition | 3 |
| SPAN | 361* | Spanish Conversation | 3 |
| SPAN | 362 | Survey of Latin American Literature | 3 |
| SPAN | 363 | Survey of Spanish Literature | 3 |
| 9 Credits from the following but at least 3 from SPAN 461,462, or 463 | | | |
| SPAN | 163 | International Spanish Experience | 1-9 |
| SPAN | 166 | International Spanish Fieldwork | 3-6 |
| SPAN | 271/471† | Independent Study in Spanish | 3 |
| SPAN | 304 | Spanish Linguistics | 3 |
| SPAN | 461† | Seminar in Hispanic American Literature | 3 |
| SPAN | 462† | Seminar in Spanish Literature | 3 |
| SPAN | 463† | Seminar in <i>Cine</i> | <u>3</u> |
| | | | 33 |

* May be waived for native speakers of Spanish and replaced by SPAN 163, 271, 461, 462, 463, or 471

†May be repeated for credit

Electives needed to complete the degree 43

Spanish Minor

General Education

| | | | |
|------|------|-----------------------|---|
| SPAN | 161* | Elementary Spanish I | 3 |
| SPAN | 162* | Elementary Spanish II | 3 |

* may be waived

Required courses

| | | | |
|------|-----|------------------------------------|------------|
| SPAN | 261 | Intermediate Spanish | 3 |
| SPAN | 265 | Textual Proficiency in Spanish, or | (3) |
| NUR | 127 | Spanish Medical Terminology, or | (2) |
| SPAN | 164 | Spanish for Health Professionals | <u>(4)</u> |
| | | | 5-7 |

Select 10-12 hours from the following

| | | | |
|------|----------|---|-----|
| SPAN | 163 | International Spanish Experience | 1-9 |
| SPAN | 166 | International Spanish Fieldwork | 3-6 |
| SPAN | 271/471† | Independent Study in Spanish | 3 |
| SPAN | 304 | Spanish Linguistics | 3 |
| SPAN | 351 | Civilizations and Cultures of Latin Am. | 3 |
| SPAN | 352 | Civilizations and Cultures of Spain | 3 |
| SPAN | 360 | Advanced Grammar and Composition | 3 |
| SPAN | 361 | Conversation | 3 |
| SPAN | 362 | Survey of Latin American Literature | 3 |
| SPAN | 363 | Survey of Spanish Literature | 3 |

| | | | HOURS |
|------|------|---|--------------|
| SPAN | 461† | Seminar in Hispanic American Literature | 3 |
| SPAN | 462† | Seminar in Spanish Literature | 3 |
| SPAN | 463† | Seminar in <i>Cine</i> | <u>3</u> |
| | | | 17 |

†May be repeated for credit

Spanish Education Major

General Studies

| | | | |
|------|---------|-------------------------------|-----------|
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PSYC | 182 | General Psychology | 3 |
| SOC | 151 | Principles of Sociology | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| MATH | | College Level Mathematics | 3 |
| HIST | | History Elective | 3 |
| LIT | | Literature | 3 |
| | | Science with Lab | 4 |
| | | Art/Music/Theatre | <u>3</u> |
| | | | 48 |

Major

| | | | |
|------|------|---|---|
| SPAN | 261* | Intermediate Spanish | 3 |
| SPAN | 265* | Textual Proficiency in Spanish | 3 |
| SPAN | 351 | Civilizations and Cultures of Latin Am. | 3 |
| SPAN | 352 | Civilizations and Cultures of Spain | 3 |
| SPAN | 360 | Advanced Grammar and Composition | 3 |
| SPAN | 361* | Spanish Conversation | 3 |
| SPAN | 362 | Survey of Latin American Literature | 3 |
| SPAN | 363 | Survey of Spanish Literature | 3 |

9 Credits from the following but at least 3 from 461, 462, or 463

| | | | |
|------|---------|---|-----------|
| SPAN | 163† | International Spanish Experience | 1-9 |
| SPAN | 271/471 | Independent Study in Spanish | 3 |
| SPAN | 461† | Seminar in Hispanic American Literature | 3 |
| SPAN | 462† | Seminar in Spanish Literature | 3 |
| SPAN | 463† | Seminar in <i>Cine</i> | <u>3</u> |
| | | | 33 |

*May be waived by Native Speakers of Spanish and replaced by Spanish 163, 271, 461, 462, or 463

†May be repeated for credit

Linguistics

| | | | |
|------|-----|--------------------------|----------|
| ENGL | 304 | Introductory Linguistics | 3 |
|------|-----|--------------------------|----------|

Professional Education

| | | | |
|------|-----|---------------------------------|---|
| EDUC | 102 | Foundations of Education | 3 |
| EDUC | 204 | Diversity in the Classroom | 3 |
| EDUC | 205 | Educational Pedagogy I | 3 |
| EDUC | 305 | Educational Pedagogy II | 3 |
| PSYC | 285 | Adolescent Growth & Development | 2 |

MODERN LANGUAGE STUDIES

| | | | HOURS |
|------|-----|--------------------------------|--------------|
| SCED | 435 | Theories and Practice of | |
| | | Second Language Acquisition | 3 |
| SCED | 436 | Specific Methods in Spanish | 3 |
| SCED | 449 | Secondary Student Teaching | 8 |
| EDUC | 441 | Professional Education Seminar | <u>0-2</u> |
| | | | 28-30 |

Electives needed to complete the degree 10-12

Teaching English to Speakers of Other Languages Minor

The TESOL minor enables students to acquire the theoretical and practical knowledge necessary to effectively teach English to speakers of other languages. Options exist for completing certain coursework requirements as part of Bethel College's semester abroad program.

Core Courses

| | | | |
|------|-----|--|-----------|
| LANG | 101 | Introduction to the Study of Language | 3 |
| LANG | 201 | Introduction to Phonetics | 3 |
| ENGL | 301 | Standard English Grammar | 3 |
| LANG | 335 | Theories and Practice of Second | |
| | | Language Acquisition | 3 |
| LANG | 336 | Methods in Teaching English to Speakers of | |
| | | Other Languages | 3 |
| LANG | 431 | TESOL Practicum I | 3 |
| LANG | 432 | TESOL Practicum II | <u>3</u> |
| | | | 21 |

Diversity Component (choose one of the following courses):

| | | | |
|--------------|-----|--|--------------|
| IS | 304 | Language Acquisition and Cultural Adaptation | (3) |
| BADM | 430 | Cross-Cultural Experience of Business | (3) |
| COMM | 352 | Intercultural Communication | (3) |
| EDUC | 204 | Diversity in the Classroom | (3) |
| LIT | 251 | Multicultural Literature | (3) |
| MIN | 447 | Internship in International Ministry | (1-4) |
| SOC | 202 | Race and Ethnicity | (3) |
| SPAN | 166 | International Spanish Field Work | (3-6) |
| SPAN | 351 | Civilizations & Cultures of Latin America | (3) |
| SPAN | 352 | Civilizations & Cultures of Spain | (3) |
| SS | 270 | Area Study: Travel | (1-3) |
| YWN | 351 | Multicultural Youth Ministry | (3) |
| Study Abroad | | | <u>(0)</u> |
| | | | 21-27 |

Department of Sign Language Interpretation

Mission Statement

The faculty of Bethel College's Deaf Studies and Interpreter Training Program strive to bring students into the d/Deaf community and the interpreting profession through a challenging and nurturing academic environment. This environment encourages critical and creative thinking, integrates the Scriptures and personal faith with formal studies and challenges students toward a global perspective. Specifically, students are educated about the language and culture of the Deaf community, trained in the essentials of sign language interpreting, and assisted in developing professional and ethical decision-making skills. Our curriculum aligns with CIT and NAD's standards and reflects the skill mastery criteria outlined by RID.

General Department Goals

The department of Sign Language Interpreting values diversity in its faculty, students and staff, and in the work it does to advance the goals of its discipline. The department is committed to developing students' receptive and expressive language skills, critical thinking and communication skills, and fostering an appreciation of human experience through exposure to the thought, literature, and language of other cultures.

The department defines diversity as accepting, respecting and recognizing individual differences. These can be along the dimensions of race, ethnicity, gender, socio-economic status, age, physical abilities, religious beliefs and cultures that use different languages. Exploring these differences in a safe, positive and nurturing environment creates understanding beyond simple tolerance, rather an understanding that honors and celebrates the varying aspects of diversity within individual identities.

Its annual development goal assumes that academic departments, student support services, campus administrative units and college leadership groups' goals should reflect college goals.

Accordingly, the goal of the Sign Language Interpreting Department is to maintain teachers who are scholars as well as teachers; are committed to the academic success of all of their students; are concerned with the personal as well as intellectual development of their students; use pedagogical strategies which are firmly grounded in empirical research; and understand the value of self-reflection and continuing professional development.

Specific Department Goals:

- to facilitate an accessible, safe and respectful teaching and learning environment for students, faculty and staff
- to maintain open lines of communication between all department members to acquire and maintain services and materials needed to fulfill professional responsibilities
- to align ourselves with the Mission Goals of Bethel College
 - to continue scholarship opportunities relevant to their discipline

Deaf Studies/Sign Language Interpreting

The program began in August 1995 and was the first four-year interpreting program established in Indiana. Our faculty includes both Deaf and hearing instructors who maintain their professional status, possess national certifications and continue to support their communities in various activities. The program offers two courses of study: an Associate Degree in Deaf Studies and a Baccalaureate Degree in Sign Language Interpreting. The program also offers a minor in American Sign Language Studies. For other majors, American Sign Language courses satisfy the language requirement and/or electives. The major in interpreting prepares students to work as professional interpreters. The curriculum includes prerequisite courses accomplished during the freshmen and sophomore years followed by two years of major course work. During the junior year, interpreting students apply for permission to do a ten week practicum during the last semester. Students must take the National Registry of Interpreters for the Deaf's written examination prior to taking the Interpreting Practicum course. Students must complete all major course work and all general studies course work (exceptions limited to 7 credits), except the last semester's conjunction courses INT 402 and INT 402L, prior to the beginning of their practicum experience. The practicum course may be scheduled out of the state. Each student is required full-time availability and is responsible for his/her own housing and transportation. Due to the nature of practicum, there may be additional fees for a student depending on the chosen location. Some fees may be required for licensing applications and licenses. There might also be state examinations that need to be taken prior to or upon arrival at the practicum site. Some states require a background check. The student is responsible for all of these costs.

Students must pass each skill building American Sign Language and Interpreting course with a grade of "C-" or better in order to take the next level of courses. Students may retake an ASL course only once in order to meet this requirement. (For transfer students, the credits of equivalent courses from another college/university can be transferred if s/he takes a proficiency assessment to determine if the courses need to be repeated or if s/he may proceed to the next level.) Beginning the semester a student takes ASL 201/201L, there is a minimum cumulative GPA requirement of 2.5. This requirement is for each subsequent semester and continues until the student completes the program. (This includes general studies courses, major courses, cognates, and electives.) When the first semester of non-compliance occurs, the student will receive a warning and has one semester to meet the 2.5 minimum.

Deaf Studies Major A.A. Degree

| | | | HOURS |
|------------------------|---------|---|--------------|
| General Studies | | | |
| THEO | 110 | Exploring the Christian Faith | 3 |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| HIST | 210 | History of the Christian Church & the Deaf Community | 3 |
| BIBL | 216 | New Testament Literature, or | 3 |
| BIBL | 215 | Old Testament Literature | (3) |
| | | Math/Science with Lab | 3-4 |
| | | Music/Art/Literature/Drama | 3 |
| PHED | 112-136 | Physical Education Activity | 0.5 |
| | | | 30-31 |
| Major | | | |
| ASL | 101 | ASL I with Lab | 4 |
| ASL | 111 | ASL II with Lab | 4 |
| ASL | 201 | ASL III with Lab | 4 |
| ASL | 204 | English Idioms & ASL Equivalents | 4 |
| ASL | 208 | American Deaf Culture | 3 |
| ASL | 211 | ASL IV with Lab | 4 |

SIGN LANGUAGE INTERPRETING

| | | | HOURS |
|-------------------------------------|-----|---------------------------------|-----------|
| ASL | 214 | Advanced Fingerspelling/Numbers | 2 |
| SOC | 202 | Race & Ethnicity | <u>3</u> |
| | | | 28 |
| Electives needed to complete degree | | | 3-4 |

Sign Language Interpreting

General Studies

| | | | |
|------|---------|-------------------------------|------------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| ASL | 101 | ASL I with Lab | 4 |
| ASL | 111 | ASL II with Lab | 4 |
| SOC | 202 | Race & Ethnicity | 3 |
| HIST | | History | 3 |
| | | Art/Drama/Music | 3 |
| | | College Level Math | 3 |
| | | Science with Lab | 4 |
| | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 59 |

Major

| | | | |
|------|-----|--|-----------|
| ASL | 201 | ASL III with Lab | 4 |
| ASL | 204 | English Idioms & ASL Equivalents | 4 |
| ASL | 208 | American Deaf Culture | 3 |
| ASL | 211 | ASL IV with Lab | 4 |
| ASL | 214 | Advanced Fingerspelling/Numbers | 2 |
| ASL | 311 | Rhetoric and Socio-linguistic Competence | 4 |
| ENGL | 304 | Introduction to Linguistics | 3 |
| INT | 301 | Interpreting I with Lab | 4 |
| INT | 302 | Interpreting II with Lab | 4 |
| INT | 304 | Fundamentals of Interpreting | 3 |
| INT | 311 | Linguistics of ASL | 2 |
| INT | 401 | Interpreting III with Lab | 4 |
| INT | 402 | Interpreting IV with Lab | 4 |
| INT | 417 | Interpreter Certification/Evaluation | 2 |
| INT | 418 | Job Market Analysis in Interpreting | 2 |
| INT | 450 | Interpreting Practicum | <u>8</u> |
| | | | 57 |

Electives needed to complete the degree 8

American Sign Language Minor

| | | | |
|-----|-----|----------------------------------|---|
| ASL | 101 | ASL I with Lab | 4 |
| ASL | 111 | ASL II with Lab | 4 |
| ASL | 201 | ASL III with Lab | 4 |
| ASL | 204 | English Idioms & ASL Equivalents | 4 |

INTRODUCTION

| | | | HOURS |
|-----|-----|-----------------------|--------------|
| ASL | 208 | American Deaf Culture | 3 |
| ASL | 211 | ASL IV with Lab | <u>4</u> |
| | | | 23 |

Department of Mathematical Sciences

The Department of Mathematical Sciences at Bethel College is a community of Christian scholars and educators committed to preparing minds for action within the Kingdom of God (1 Peter 1:13).

Department Mission

“The truth is that we encounter mathematicians everywhere, every day, but we hardly ever know it... It simply doesn’t occur to us that our bank manager might have a degree in math, or that the people who invent or manufacture DVDs and MP3 players employ large numbers of mathematicians, or that the technology that transmits those stunning pictures of the moons of Jupiter relies heavily on math... Your entire life bobs like a small boat on a vast ocean of mathematics.” (Ian Stewart, *Letters to a Young Mathematician*)

As a reflection of the Author of Creation, our universe is teeming with order. Science is the study of that created order; mathematics is the language humanity uses to facilitate that study. The mission of the Department of Mathematical Sciences is to equip students at every level to use mathematics as a tool for deeper understanding of the natural world as well as their own discipline. To this end, the department provides an essential balance of logical reasoning, conceptual understanding, and computational skills appropriate to students’ diverse needs.

Department Objectives

In accordance with our mission, as well as the mission and vision of Bethel College, every course and program in our department aims to instill (in a manner appropriate to level of study):

- **Problem solving and logical reasoning** skills – Mathematical study teaches students to construct precise and concise arguments, and analyze the merits of a claim.
- **Experience in mathematical application** – Because of the wide range of mathematical applications, students must learn where and how mathematics can be applied within their discipline.
- **Quantitative literacy** – Applications of mathematics often involve large amounts of numerical data. Students must be proficient at analyzing such data, including any relevant technology.
- **Communication skills** – Mathematics is a very precise language. People that utilize mathematics must communicate it clearly, effectively, and precisely through both oral and written means.
- **Ethics** – Students must learn to grapple with ethical issues presented in such areas as statistical analysis.
- **Research skills** – Mathematics students must learn how to formulate and test mathematical hypotheses, and how to utilize content knowledge and research tools to justify these.

Please note:

- Any students considering a major in the mathematical sciences should plan on taking MATH 131 (Calculus 1) during their first semester freshman year. Students who do not have credit for MATH 131 and MATH 132 by the end of their freshman year will have a more difficult time completing a mathematical science major in a total of four years.
- Students who have passed the A.P. Calculus AB exam will receive credit for MATH 131 only, and will need to take MATH 132 during the spring semester of their freshman year. Those students who have taken and passed the A.P. Calculus BC exam will receive credit for both MATH 131 and MATH 132, and should plan on taking MATH 231 during their first semester freshman year.

Mathematics Major

The Bachelor of Science in Mathematics program is designed to prepare students for either graduate studies in mathematics or applied mathematics in industry, including modeling, simulation, risk analysis (actuarial science), program development, cryptography, and statistical analy-

MATHEMATICAL SCIENCES

sis. Because of the wide variety of opportunities for graduates, the program does not focus on any one specific career, but instead equips the student with fundamental critical thinking, logical reasoning skills, as well as the foundational technological and mathematical tools, necessary for pursuing any of these choices. Internships in specific areas of applied mathematics or summer research experiences are strongly encouraged.

For more information on opportunities for employment, visit the department website at <http://www.bethelcollege.edu/academics/undergrad/mathcomp/>.

Mathematics Major

| | | | HOURS |
|---|---------|---|-----------|
| General Studies | | | |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History Elective | 3 |
| | | Art/Drama/Music | 3 |
| | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| | | | 47 |
| Cognates | | | |
| ITSC | 121 | Computer Programming I | 3 |
| PHYS | 121 | General Physics I | 4 |
| | | Science with Lab | 4 |
| | | | 11 |
| Major | | | |
| MATH | 110 | Introductory Seminar in Math | 1 |
| MATH | 131 | Calculus I | 4 |
| MATH | 132 | Calculus II | 4 |
| MATH | 231 | Calculus III | 4 |
| MATH | 242 | Linear Algebra and Differential Equations | 4 |
| MATH | 252 | Probability and Statistics | 3 |
| MATH | 293 | Mathematical Theory and Proof | 3 |
| MATH | 341 | Abstract Algebra | 3 |
| MATH | 361 | Real Analysis | 3 |
| Select nine hours from the following | | | 9 |
| MATH | 210 | Discrete Mathematics | (3) |
| MATH | 221 | Number Theory and History Mathematics | (3) |
| MATH | 225 | Problem Solving Seminar | (1-3) |
| MATH | 301 | Preparation for the Actuarial Exams | (1-3) |
| MATH | 329 | Special Topics in Mathematics | (3-6) |
| MATH | 331 | Modern Geometry | (3) |
| MATH | 354 | Numerical Analysis | (3) |
| MATH | 357 | Mathematical Modeling | (3) |
| MATH | 351 | Complex Analysis | (3) |
| MATH | 352 | Advanced Statistical Methods | (3) |

| | | | HOURS |
|--|-----|---|--------------|
| MATH | 364 | Ordinary and Partial Differential Equations | (3) |
| MATH | 401 | Preparation for the Math Subject GRE | (1) |
| ITSC | 122 | Computer Programming II | (3) |
| *Select a capstone course from the following: | | | 1-3 |
| MATH | 395 | Undergraduate Research Experience | (1-3) |
| MATH | 396 | Internship | (1-3) |
| | | | 39-41 |
| Electives needed to complete the degree | | | 25-27 |

*Credit for an internship under another prefix may be granted toward the MATH396 requirement. Students must petition for and receive written consent for this substitution from the department.

Graduate Study (Pure Math):

For students pursuing graduate studies in pure mathematics, it is recommended that the 9 major elective hours be selected from among the following courses (depending on the student's area of interest in graduate study):

| | | | |
|------|-----|--|-----|
| MATH | 210 | Discrete Mathematics | 3 |
| MATH | 225 | Problem Solving Seminar | 1-3 |
| MATH | 221 | Number Theory and History of Mathematics | 3 |
| MATH | 351 | Complex Analysis | 3 |
| MATH | 329 | Special Topics in Mathematics | 3 |
| MATH | 401 | Preparation for the Math Subject GRE | 1 |

Applied Math:

For students pursuing graduate studies or industrial work in applied mathematics, it is recommended that the major elective hours be selected from among the following courses:

| | | | |
|------|-----|---|---|
| MATH | 354 | Numerical Analysis | 3 |
| MATH | 357 | Mathematical Modeling | 3 |
| MATH | 364 | Ordinary and Partial Differential Equations | 3 |
| ITSC | 122 | Computer Programming II | 3 |

It is also recommended that applied mathematics students find a secondary area of study (either as a double major or a minor) that ties in well with the application of mathematics.

Actuarial Science:

For students pursuing actuarial science, it is recommended that students include the following courses among the 12 major elective hours to be taken:

| | | | |
|------|-----|-------------------------------------|-----|
| MATH | 301 | Preparation for the Actuarial Exams | 1-3 |
| MATH | 352 | Advanced Statistical Methods | 3 |

Additionally, it is recommended that actuarial science students:

Take MATH 252 – Probability and Statistics during the second semester of their sophomore year in preparation for the first actuarial exam

Pass the first actuarial exam by the fall of their junior year

Participate in an internship in actuarial science during the summer between the junior and senior years

Attempt to study for and pass the second actuarial exam by the fall of their senior year

Consider taking elective courses in Business, Economics, Finance or Accounting

MATHEMATICAL SCIENCES

Mathematics Minor

| | | | HOURS |
|------|-----|---|--------------|
| MATH | 110 | Introductory Seminar in Math | 1 |
| MATH | 131 | Calculus I | 4 |
| MATH | 132 | Calculus II | 4 |
| MATH | 242 | Linear Algebra and Differential Equations | 4 |
| MATH | 293 | Mathematical Theory and Proof | 3 |

Select 6 hours from the following:

| | | | |
|------|-----|---------------------------------------|------------|
| MATH | 210 | Discrete Mathematics | 3 |
| MATH | 231 | Calculus III | 4 |
| MATH | 252 | Probability and Statistics | 3 |
| MATH | 225 | Problem Solving Seminar | 1-3 |
| MATH | 221 | Number Theory and History Mathematics | 3 |
| | | 300-level MATH course | <u>3-6</u> |
| | | | 22 |

Mathematics Education Major

The Bachelor of Science in Mathematics Education program enables the student to combine the strengths of in-depth preparation in mathematics with the professional teacher education skills necessary for success in the secondary classroom. The program involves practical experience inside and outside the classroom, as well as faculty mentoring throughout class study and student teaching. Students have the option of certification for either grades 9-12 or grades 5-12.

General Studies

| | | | |
|------|---------|----------------------------------|------------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| HIST | | History Elective | 3 |
| LIT | | Literature | 3 |
| | | Art/Drama/Music | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 47 |

Cognates

| | | | |
|------|-----|------------------------|----------|
| ITSC | 121 | Computer Programming I | 3 |
| PHYS | 121 | General Physics I | <u>4</u> |
| | | | 7 |

Major

| | | | |
|------|-----|---|---|
| MATH | 110 | Introductory Seminar in Math | |
| MATH | 131 | Calculus I | 4 |
| MATH | 132 | Calculus II | 4 |
| MATH | 210 | Discrete Mathematics | 3 |
| MATH | 231 | Calculus III | 4 |
| MATH | 242 | Linear Algebra and Differential Equations | 4 |
| MATH | 252 | Probability & Statistics | 3 |
| MATH | 293 | Mathematical Theory & Proof | 3 |

| | | | HOURS |
|------|-----|------------------|--------------|
| MATH | 331 | Modern Geometry | 3 |
| MATH | 341 | Abstract Algebra | <u>3</u> |
| | | | 32 |

Professional Education

| | | | |
|------|-----|---------------------------------|--------------|
| EDUC | 102 | Foundations of Education | 3 |
| EDUC | 204 | Diversity in the Classroom | 3 |
| EDUC | 205 | Educational Pedagogy I | 3 |
| EDUC | 305 | Educational Pedagogy II | 3 |
| PSYC | 285 | Adolescent Growth & Development | 2 |
| SCED | 446 | Specific Methods in Math | 3 |
| SCED | 448 | Content Specific Literacy | 3 |
| SCED | 449 | Student Teaching | 8 |
| EDUC | 441 | Professional Education Seminar | <u>0-2</u> |
| | | | 28-30 |

Electives needed to complete the degree 8-10

See *TEACHER EDUCATION* (page 150) for program admission and other information.

Recommendation:

It is highly recommended that Mathematics Education majors take SCED 331 – Organization & Curriculum of the Jr. High/Middle School. This 2-hour class will extend the major's licensure from grades 9-12 to grades 5-12. It is also recommended that students take MATH 402 - Preparation for the Secondary Math Praxis II before attempting the Praxis II subject exam.

Department of Life Sciences

Mission Statement

The Mission of the department of life sciences at Bethel College is to educate and train Christians for positions of leadership within the scientific community.

Vision: In order to fulfill this mission, our vision is to develop “Kingdom Scientists:” students who actively follow Christ in their careers as biologists and medical professionals, who work to bring Jesus’ sovereignty and authority to bear all areas of life sciences. To this end we desire to instill in our students the belief that we are uniquely called by God to be stewards of His creation and to glorify Him through performing with excellence in all aspects of our work.

Goals: Our goals as the department in life sciences are to provide an academically excellent program to recruit, encourage, and promote the entry of young Christians into the scientific research and medicine and to provide diverse learning and research experiences for our students to help them develop a strong base of knowledge in biological principals and research techniques, critical thinking and analysis skills, and verbal and written communication skills.

Objectives: Consistent with the Bethel College mission and vision statement we believe that it is our duty to provide our students with the analytical and professional skills necessary to succeed in their chosen career. In order to balance these needs, we believe that all departmental courses and programs should integrate the following elements:

- **Critical thinking skills**
Biologists should be able to identify and analyze a problem, weigh evidence and generate hypotheses.
- **Research skills**
Biologists should be able to propose and test hypotheses and analyze problems, and they must have the skills and research tools necessary to investigate them.
- **Communication skills**
Biologists should achieve competency in both oral and written communication in order to effectively disseminate the results of research.
- **Technological skills**
Students should acquire and demonstrate competency in the use of, at minimum, spreadsheet, word processing, bioinformatics, presentation and basic statistical analysis programs.
- **Practical experience**
Students should receive real-world experience through undergraduate research programs and internships.

- Ethics
Students should be able to discuss and form opinions about current issues in bioethics from a Christian worldview.
- Global citizenship
Students should be aware of global issues and be actively involved in finding solutions to critical problems in the world, such as global warming, the HIV/AIDS pandemic and poverty.

Biology Major

This major is designed to prepare students for further studies in medicine, cellular and molecular biology, biological laboratory sciences, physical and occupational therapy and medical school. Students interested in these programs typically complete a baccalaureate degree prior to admittance into a professional school or graduate school.

| | | HOURS | |
|--------------------------|---------|---|--------------|
| General Studies | | | |
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language, Two Semesters | 6 |
| | | History Elective | 3 |
| | | Art/Drama/Music | 3 |
| | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| | | | <u>47</u> |
| Major | | | |
| NS | 110 | Environmental Science | 4 |
| BIOL | 210 | Zoology | 4 |
| BIOL | 211 | Botany | 4 |
| BIOL | 214 | Anatomy & Physiology I | 4 |
| BIOL | 215 | Anatomy & Physiology II | 4 |
| BIOL | 308 | Molecular Cell Biology | 4 |
| BIOL | 309 | Genetics | 4 |
| BIOL | 312 | Microbiology | 4 |
| BIOL | 460 | Biochemistry | 4 |
| | | | <u>36</u> |
| Required Cognates | | | |
| CHEM | 163 | General Chemistry I | 4 |
| CHEM | 164 | General Chemistry II | 4 |
| CHEM | 261 | Organic Chemistry I | 4 |
| CHEM | 262 | Organic Chemistry II | 4 |
| PHYS | 121 | General Physics I | 4 |
| MATH | 111 | Basic Probability & Statistics | 3 |
| MATH | 131 | Calculus I, or | 4 |
| MATH | 124 | Applied Calculus | (3) |
| NS | 333 | Scientific Research Methods | 3 |
| | | | <u>29-30</u> |
| | | Electives needed to complete the degree | 11-12 |

Biology Minor

| | | | HOURS |
|------|-----|----------------------------|--------------|
| BIOL | 115 | Human Biology, or | 4 |
| NS | 110 | Environmental Science | (4) |
| BIOL | 210 | Zoology | 4 |
| BIOL | 211 | Botany | 4 |
| BIOL | 308 | Molecular Cell Biology, or | 4 |
| BIOL | 312 | Microbiology | (4) |
| BIOL | 309 | Genetics | 4 |
| CHEM | 163 | General Chemistry I | <u>4</u> |
| | | | 24 |

Environmental Biology Major

This program is designed to educate biologists in the area of the environmental sciences especially as related to organismal or field biology. This should prepare them for careers in wildlife ecology, veterinary medicine, environmental consulting, land use planning, government agencies, missionary field-work as related to sustainable development and general environmental stewardship. The program emphasizes hands-on fieldwork, biodiversity approaches to environmental concerns and integration of a biblical basis for creation with sound scientific principles. The Environmental Biology major operates in partnership with Au Sable Institute in Michigan. It requires that the student take at least two courses during the summer semester at one of the Au Sable campuses.

General Studies

| | | | |
|------|---------|----------------------------------|------------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History Elective | 3 |
| | | Art/Drama/Music | 3 |
| | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 47 |

Major

| | | | |
|----------|-----|--------------------------------|-----------|
| BIOL | 210 | Zoology | 4 |
| BIOL | 211 | Botany | 4 |
| BIOL | 309 | Genetics | 4 |
| BIOL | 313 | Ecology | 4 |
| BIOL | 317 | Wildlife Techniques | 4 |
| BIOL | 330 | Biodiversity | 3 |
| BIOL | 411 | Comparative Vertebrate Anatomy | 4 |
| BIOL | 420 | Mammalogy | 4 |
| Au Sable | | Ornithology | 4 |
| Au Sable | | Field Botany | <u>4</u> |
| | | | 39 |

| | | | HOURS |
|---|-----|--------------------------------|--------------|
| Required Cognates | | | |
| MATH | 111 | Basic Probability & Statistics | 3 |
| MATH | 131 | Calculus I, or | 4 |
| MATH | 124 | Applied Calculus | (3) |
| CHEM | 163 | General Chemistry I | 4 |
| CHEM | 164 | General Chemistry II | 4 |
| CHEM | 261 | Organic Chemistry I | 4 |
| NS | 291 | Physical World, or | 4 |
| PHYS | 121 | General Physics I | (4) |
| NS | 333 | Scientific Research Methods | 3 |
| | | | 25-26 |
| Electives needed to complete the degree | | | 19-21 |

Environmental Biology Minor

| | | | |
|------|-----|-----------------------|-----------|
| BIOL | 313 | Ecology | 4 |
| BIOL | 330 | Biodiversity | 3 |
| NS | 110 | Environmental Science | 4 |
| BIOL | 210 | Zoology | 4 |
| BIOL | 211 | Botany | 4 |
| | | | 19 |

Pre-Medicine Major

This program is designed to meet the entrance requirements for professional schools such as medical, dental, physical therapy and veterinary schools. The courses in this major are specifically chosen to prepare students for the MCAT (Medical Colleges Admissions Test), to allow flexibility in additional training in the sciences, and to allow students to take helpful courses in non-science disciplines. Students are advised to include anatomy—either Comparative Vertebrate Anatomy or Human Anatomy & Physiology I & II.

It should be noted that only a small percentage of students going to medical schools take a “pre-med” major. With this in mind, students are encouraged to also consider majors such as Biology or Chemistry (or a number of other fields), as there are more common ways to train for entrance into these types of professional programs. [Minimal requirements for most medical schools are one year of Biology, one year of General Chemistry, one year of Organic Chemistry and one year of Physics (some also require a year of calculus)].

General Studies

| | | | |
|------|---------|-------------------------------|-----------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language | 6 |
| | | History Elective | 3 |
| | | Art/Drama/Music | 3 |
| | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| | | | 47 |

Major

| | | | |
|------|-----|------------------------|---|
| BIOL | 210 | Zoology | 4 |
| BIOL | 308 | Molecular Cell Biology | 4 |

LIFE SCIENCES

| | | | HOURS |
|---|-----|--------------------------------|--------------|
| CHEM | 163 | General Chemistry I | 4 |
| CHEM | 164 | General Chemistry II | 4 |
| CHEM | 261 | Organic Chemistry I | 4 |
| CHEM | 262 | Organic Chemistry II | 4 |
| MATH | 111 | Basic Probability & Statistics | 3 |
| MATH | 131 | Calculus I | 4 |
| PHYS | 121 | General Physics I | 4 |
| PHYS | 122 | General Physics II | 4 |
| Electives chosen from: | | | 24 |
| BIOL courses – 200 level or above, | | | |
| CHEM courses – 200 level or above, | | | |
| PHYS courses – 200 level or above, | | | |
| NS 333 | | | |
| MATH 132 | | | |
| | | | <hr/> |
| | | | 63 |
| Electives needed to complete the degree | | | 14 |

All majors in this division receive the Bachelor of Science (B.S.) degree.

Science Education - see Physical Science Department

Department of Physical Sciences

Mission statement

Our purpose is:

To use the process of science to explore, investigate and discover the natural and empirical aspects of creation;

To promote the application of learning to engineering, chemistry, medical sciences, and other fields;

To glorify God by using His creation to know him and make him known.

Our goal is that students should be able to:

Gain the skills needed to understand and evaluate natural phenomena;

Develop critical thinking skills, applying them to solving real-world problems;

Be competent at investigative methods, instrumental techniques and analysis of data;

Explore the relationship between Christian faith and the physical sciences;

Be empowered with a sense of understanding, ownership and responsibility that promotes a life-long learning process of application and discovery; and

Be empowered with, professional job skills, graduate school capabilities, or skills to join an engineering program.

Chemistry Major

This major is designed to prepare students for employment in the field of chemistry or for further study in medicine, chemistry, or biochemistry. The B.S. in chemistry is the common "working degree," and graduates are ready for employment in the chemical industry, both locally and nationally.

General Studies

| | | | HOURS |
|------|---------|----------------------------------|--------------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History Elective | 3 |
| | | Art/Drama/Music | 3 |
| | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 47 |

Major

| | | | |
|------|-----|-----------------------------|---|
| CHEM | 163 | General Chemistry I | 4 |
| CHEM | 164 | General Chemistry II | 4 |
| CHEM | 261 | Organic Chemistry I | 4 |
| CHEM | 262 | Organic Chemistry II | 4 |
| CHEM | 280 | Analytical Chemistry | 4 |
| CHEM | 461 | Physical Chemistry I | 4 |
| NS | 333 | Scientific Research Methods | 3 |
| PHYS | 121 | General Physics I | 4 |
| PHYS | 122 | General Physics II | 4 |

PHYSICAL SCIENCES

| | | | HOURS |
|---|------------------------|--|-----------|
| MATH | 131 | Calculus I | 4 |
| MATH | 132 | Calculus II | 4 |
| Choose two from the following: | | | 8 |
| CHEM | 360 | Intermediate Inorganic Chemistry | (4) |
| CHEM | 460 | Biochemistry | (4) |
| PHYS | 301 | Quantum Physics | (4) |
| Choose six hours from the following: | | | 6 |
| BADM | 121 | Introduction to Business | (3) |
| BADM | 321 | Principles of Management | (3) |
| BADM | 322 | Principles of Marketing | (3) |
| CAPP | 229 | Introduction to Database Management | (2) |
| CAPP | 230 | Introduction to Spreadsheet | (2) |
| MATH | 231 or 252 | Calculus III or Statistics | (3) |
| CHEM | 360 or 362 or PHYS 301 | —whichever was not taken to fulfill major requirements above | (4) |
| | | | <u>57</u> |
| Electives needed to complete the degree | | | 20 |

Chemistry Minor

| | | | |
|---------------------------------------|---------|--------------------------|-----------|
| CHEM | 163-164 | General Chemistry I & II | 8 |
| CHEM | 261 | Organic Chemistry I | 4 |
| CHEM | 280 | Analytical Chemistry | 4 |
| Choose one from the following: | | | |
| CHEM | 262 | Organic Chemistry II | 4 |
| CHEM | 460 | Biochemistry | (4) |
| CHEM | 461 | Physical Chemistry I | (4) |
| | | | <u>20</u> |

Computational Physics

General Studies

| | | | |
|------|---------|----------------------------------|-----------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |
| | | History | 3 |
| | | Art/Drama/Music | 3 |
| | | Literature | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | 1.5 |
| | | | <u>47</u> |

Major

| | | | |
|------|-----|-------------------------|---|
| PHYS | 121 | General Physics I | 4 |
| PHYS | 122 | General Physics II | 4 |
| PHYS | 211 | Electronics | 4 |
| PHYS | 222 | General Physics III | 4 |
| PHYS | 225 | Statics | 3 |
| PHYS | 226 | Dynamics | 3 |
| PHYS | 301 | Quantum Physics | 4 |
| PHYS | 344 | Electricity & Magnetism | 3 |

HOURS

| | | | |
|------|-----|---|---|
| ITSC | 120 | Introduction to Computing | 3 |
| ITSC | 121 | Computer Programming I | 3 |
| MATH | 131 | Calculus I | 4 |
| MATH | 132 | Calculus II | 4 |
| MATH | 231 | Calculus III | 4 |
| MATH | 242 | Linear Algebra and Differential Equations | 4 |

* MATH/ITSC/PHYSICS Electives:
(at the level of 200 or above): 6
57

Electives needed to complete the degree 20
124

* Upper level physics courses in digital electronics, statistical mechanics, analytical mechanics, quantum mechanics and astrophysics are available through the NICE consortium at nearby colleges.

B.S. Math/Physics (Engineering Combination Program)

Bethel College offers two cooperative engineering programs—one through the University of Notre Dame and the other through Tri-State University. A student enrolled for either program completes three years of study at Bethel College and two additional years of study at the cooperating university selected. At the end of one year of satisfactory study at the university, Bethel College awards a B.S. degree in mathematics/physics, and at the end of the second year, the university awards a B.S. degree in engineering. As part of Bethel College's requirements, each engineering student must maintain a 3.0 cumulative grade point average; earn a grade of at least "C" in all courses in the major; and receive a favorable recommendation from the chair of the division of mathematics and computer science and the chair of the division of natural science and be accepted by one of the cooperating institutions. These are Bethel College's requirements and may not correspond to the cooperating institutions' requirements. The student should talk to one of Bethel's advisors of the engineering students about the current requirements of each of the cooperating universities. During the third year of study at Bethel College, the student must officially apply for admission to the cooperating university as part of the transfer process. Students interested in majoring in engineering should contact the office of admission and the divisional chairperson for further information regarding performance standards and available programs.

General Studies

| | | | |
|------|---------|-------------------------------|------------|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology, or | 3 |
| SOC | 151 | Principles of Sociology | (3) |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Economics/History Elective | 3 |
| FA | 170 | Perspectives in Fine Arts, or | 3 |
| LIT | | Literature Elective | (3) |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 33 |

Major

| | | | |
|------|-----|-----------------------------|---|
| CHEM | 163 | General Chemistry I | 4 |
| CHEM | 164 | General Chemistry II | 4 |
| ENGR | 101 | Introduction to Engineering | 3 |
| ITSC | 121 | Computer Programming I | 3 |
| MATH | 131 | Calculus I | 4 |

PHYSICAL SCIENCES

| | | | HOURS |
|------|-----|---|-----------|
| MATH | 132 | Calculus II | 4 |
| MATH | 231 | Calculus III | 4 |
| MATH | 242 | Linear Algebra and Differential Equations | 4 |
| MATH | 252 | Probability & Statistics | 3 |
| PHYS | 121 | General Physics I | 4 |
| PHYS | 122 | General Physics II | 4 |
| PHYS | 211 | Electronics | 4 |
| PHYS | 222 | General Physics III | <u>4</u> |
| | | | 49 |

Plus **one** of the following concentrations:

For those interested in Mechanical or Civil Engineering

| | | | |
|------|-----|-----------------|-----------|
| PHYS | 225 | Statics | 3 |
| PHYS | 226 | Dynamics | 3 |
| PHYS | 310 | Thermodynamics | 3 |
| PHYS | 327 | Solid Mechanics | <u>4</u> |
| | | | 13 |

For those interested in Electrical Engineering or Computer Engineering

| | | | |
|------|-----|-------------------------|-----------|
| ITSC | 122 | Computer Programming II | 3 |
| MATH | 210 | Discrete Mathematics | 3 |
| PHYS | 301 | Quantum Physics | 4 |
| PHYS | 344 | Electricity & Magnetism | <u>3</u> |
| | | | 13 |

For those interested in Computer Science

| | | | |
|------|-----|-------------------------|-----------|
| ITSC | 122 | Computer Programming II | 3 |
| MATH | 210 | Discrete Mathematics | 3 |
| | | ITSC or PHYS electives | <u>6</u> |
| | | | 12 |

For those interested in Chemical Engineering

| | | | |
|------|-----|--------------------------|------------|
| CHEM | 261 | Organic Chemistry I | 4 |
| CHEM | 262 | Organic Chemistry II | 4 |
| CHEM | 280 | Analytical Chemistry, or | 4 |
| CHEM | 461 | Physical Chemistry I | <u>(4)</u> |
| | | | 12 |

Physics Minor

| | | | |
|------|-----|---------------------|-----------|
| PHYS | 121 | General Physics I | 4 |
| PHYS | 122 | General Physics II | 4 |
| PHYS | 222 | General Physics III | 4 |
| PHYS | 301 | Quantum Physics | 4 |
| PHYS | | Elective in Physics | <u>4</u> |
| | | | 20 |

Science Education (with Life Sciences and Physical Sciences Options)

General Studies

| | | | |
|------|-----|----------------------------------|-----|
| COMM | 171 | Speech Communication | 3 |
| ENGL | 101 | Written Communication II | 3 |
| ENGL | 102 | Written Communication III | 3 |
| PSYC | 182 | General Psychology | 3 |
| PHED | 100 | Lifelong Physical Awareness | 0.5 |
| SOC | 151 | Principles of Sociology | 3 |
| BIBL | 215 | Old Testament Literature | 3 |
| BIBL | 216 | New Testament Literature | 3 |
| | | Foreign Language (two semesters) | 6 |

PHYSICAL SCIENCES

| | | | HOURS |
|------|---------|------------------------------------|------------|
| HIST | 246 | Introduction to World Civilization | 3 |
| LIT | | Literature | 3 |
| | | Art, Music, Theatre | 3 |
| PHIL | 150 | Logic & Critical Thinking | 2 |
| PHIL | 250 | Introduction to Philosophy | 3 |
| THEO | 110 | Exploring the Christian Faith | 3 |
| PHIL | 452 | Senior Experience | 1 |
| PHED | 112-136 | Physical Education Activities | <u>1.5</u> |
| | | | 47 |

Science Core

| | | | |
|------|---------|----------------------------------|--------------|
| NS | 251 | Astronomy | 4 |
| CHEM | 163 | General Chemistry I | 4 |
| PHYS | 121 | General Physics I | 4 |
| MATH | 111 | Basic Probability & Statistics | 3 |
| MATH | 131/124 | Calculus I or Applied Calculus | 4-3 |
| NS | 110 | Environmental Science | 4 |
| BIOL | 214 | Human Anatomy & Physiology I, or | 4 |
| BIOL | 308 | Molecular Cell Biology | <u>(4)</u> |
| | | | 26-27 |

Select either Physical or Life Sciences Option

Physical Sciences Option

| | | | |
|----------|-----|----------------------|-----------|
| CHEM | 164 | General Chemistry II | 4 |
| MATH | 132 | Calculus II | 4 |
| PHYS | 122 | General Physics II | 4 |
| CHEM | 261 | Organic Chemistry I | 4 |
| CHEM | 280 | Analytical Chemistry | 4 |
| PHYS | 301 | Quantum Physics | 4 |
| Elective | | CHEM/PHYS 200+ | <u>4</u> |
| | | | 28 |

Life Sciences Option

| | | | |
|----------|------------|---|-----------|
| CHEM | 164 | General Chemistry II | 4 |
| CHEM | 261 | Organic Chemistry I | 4 |
| BIOL | 210 | Zoology | 4 |
| BIOL | 211 | Botany | 4 |
| BIOL | 309 | Genetics | 4 |
| BIOL | 214 or 308 | A&P I or Molecular Cell Biology (beyond Core) | 4 |
| Elective | | BIOL 200+ | <u>4</u> |
| | | | 28 |

Professional Education

| | | | |
|------|-----|---------------------------------|--------------|
| EDUC | 102 | Foundations of Education | 3 |
| EDUC | 204 | Diversity in the Classroom | 3 |
| EDUC | 205 | Educational Pedagogy I | 3 |
| EDUC | 305 | Educational Pedagogy II | 3 |
| PSYC | 285 | Adolescent Growth & Development | 2 |
| SCED | 443 | Specific Methods in Science | 2 |
| SCED | 448 | Content-Specific Literacy | 3 |
| SCED | 449 | Secondary Student Teaching | 8 |
| EDUC | 441 | Professional Education Seminar | <u>0-2</u> |
| | | | 27-29 |

Total hours in major

128-129

Note: See Teacher Education (page 144) for program admission and other information.