

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.
Robbie Prenkert, D.Litt.

Department of Foreign Languages

Scott DeVries, Ph.D.*

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

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

Bryan J. Isaac, Ph.D.*

Erwin Sucipto, Ph.D.

Rodric H. White-Stevens, Ph.D.

Department of Sign Language Interpreting

Elizabeth Beldon, M.A.

Jennifer Kutcka, M.A.

Angela Myers, M.A.*

Department of Theatre

Jonathon R. Sabo, M.F.A.*

Department of Visual Arts

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

Suzanne Mauro, M.F.A.

* *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, COL 070, Basic Mathematics, 3 hours.

3. 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

			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

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	1
			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	3
			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
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)
ART	266	New Media I	<u>(3)</u>
			9

(Elective Hours Needed to Complete the Degree) 1

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)

			HOURS
ART	265	Graphic Design I	(3)
ART	266	New Media I	<u>(3)</u>
			15

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	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

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

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

HOURS

Interior Design Concentration**Major Core taken at IVY Tech**

INT	102	Drafting and Construction	3
INT	103	Introduction to Interior Design	3
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	<u>1</u>
			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	<u>3</u>
			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	<u>(3)</u>
			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	<u>3</u>
			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 Computer Technology in the Classroom	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)	<u>0</u>
			25

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)	<u>4</u>
			16

See note on page 67.

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	<u>1.5</u>
			54

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 Computer Technology in the Classroom	1
MUED	345	Methods & Materials for Teaching Early Childhood Music	2
MUED	346	Teaching Practicum for Teaching Early Childhood Music	
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 Computer Technology in the Classroom	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

			HOURS
MUAP	181-381	Orchestral Instrument Lessons	8
MUAP	480	Senior Recital	<u>1</u>
			26
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 Computer Technology in the Classroom	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)**

			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 (French or German preferred)	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>
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)

			HOURS
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	<u>12</u>
			25
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 70.			

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:

Be prepared to work and/or continue study in the areas of performance, technical theatre, design, stage management, and directing

Effectively communicate thoughts and ideas in speaking, writing, and visual representation

Demonstrate a thorough understanding and practical approach to play analysis for directing, acting, and design

Display a familiarity with a representative selection of plays

Demonstrate knowledge of the history of theatre;

The literature and playwrights

The performance, staging, and design theories of representative periods and styles

The individuals who developed and implemented significant practices and theories in directing, performance, and design

Demonstrate a working knowledge of and skill in the areas of technical theatre

Costume design and construction

Makeup design and implementation

Lighting design and implementation

Scenery design and construction

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 Techniques	2
THTR	233	Tap Techniques	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
THTR	260	Directing I	3
THTR	320	Western Theater History I	3
			19

THEATRE

			HOURS
		Select five hours from the following:	5
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)	(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	(3-41-3)

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 Techniques	2
THTR	233	Tap Techniques	2
MUAP	145	Elective Voice Lessons	4
MUAP	146	Elective Piano Lessons (will also accept MUAP 141 & 142)	2
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 Elective 3
		Art/Drama/Music 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 1.5
		54
Major (Core)		
WRIT	221	Writing Modes & Models 3
COMM	250	Portfolio Preparation 1
COMM	251	Introduction to Public Relations 3
COMM	272	Introduction of Interpersonal Communication 3
COMM	360	Communication Theory 3
COMM	371	Mass Media & Society: Secular & Christian Perspectives 3
COMM	375	Persuasion 3
COMM	440	Media Ethics 3
COMM	450	Portfolio Completion 1
		23

COMMUNICATION

			HOURS
Choice of six hours: Introductory Offerings			6
COMM	252	Public Relations Writing	(3)
COMM	275	Broadcast Media Writing	(3)
COMM	276	Introduction to Advertising	(3)
JRNL	211	Basic News Writing	(3)
WRIT	110	The Writing Profession	(3)
Choice of six hours: Practical Offerings			6
COMM	273	Projects in Public Speaking	(2)
COMM	370	Oral Interpretation	(2)
COMM	278	Radio & TV Announcing	(3)
COMM	282	Radio Lab	(1)
JRNL	213	Layout & Design	(3)
JRNL	216	Newspaper Lab	(1-2)
JRNL	219	Yearbook Lab	(1-2)
CPSC	301	Web Design	(3)
Choice of six hours: Advanced Offerings			6
COMM	352	Intercultural Communication	(3)
COMM	380	Radio & TV History & Theory	(3)
COMM	382	Radio & TV Production	(3)
COMM	461	Broadcast Operations & Management	(3-4)
JRNL	301	Editing	(3)
JRNL	221	Features & Nonfiction Writing	(3)
WRIT	210/410	Marketing a Manuscript	(3)

Select six hours from COMM, ENGL, JRNL or WRIT to complete the major (Internship or Fieldwork recommended) 6

Other electives needed to complete the degree 23
Total: **124**

Communication Minor

WRIT	221	Writing Modes & Models	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 6
18

Journalism Major

A.A. Degree

General Studies			
COMM	171	Speech Communication	3
ENGL	101	Written Communication II	3
PSYC	182	General Psychology	3
PHED	100	Lifelong Physical Awareness	0.5
SOC	151	Principles of Sociology	3
BIBL	216	New Testament Literature, or	3
BIBL	215	Old Testament Literature	(3)
THEO	110	Exploring the Christian Faith	3
		Mathematics/Science with Lab	3-4
		Art/Drama/Literature/Music	3
PHED	112-136	Physical Education Activity	0.5

			HOURS
PHIL	150	Logic & Critical Thinking	<u>2</u>
			27
Major			
COMM	250	Portfolio Preparation	1
COMM	371	Mass Media & Society: Secular & Christian Perspectives	3
COMM	375	Persuasion	3
JRNL	211	Basic News Writing	3
JRNL	213	Layout & Design	3
JRNL	221	Features & Nonfiction Writing	3
WRIT	110	The Writing Profession	3
WRIT	221	Writing Modes & Models	3
Choice of Laboratory			
JRNL	216	Newspaper Laboratory	(1-2)
JRNL	219	Yearbook Laboratory	(1-2)
Select eight hours from the following:			8
COMM	251	Introduction to Public Relations	(3)
COMM	276	Introduction to Advertising	(3)
COMM	360	Communication Theory	(3)
CPSC	301	Web Design	(3)
JRNL	216	Newspaper Laboratory	(1-4)
JRNL	218	Digital Photography I	(3)
JRNL	219	Yearbook Laboratory	(1-4)
JRNL	228	Photojournalism	(1)
JRNL	301	Editing	(3)
JRNL	321	Advanced Features & Nonfiction Writing	(3)
JRNL	414	Fieldwork in Journalism	(3-4)
JRNL	415	Independent Study in Journalism	(1-2)
WRIT	210	Marketing a Manuscript	<u>(3)</u>
			32
Electives needed to complete the degree			5

Journalism Minor

JRNL	211	Basic News Writing	3
JRNL	213	Layout & Design	3
WRIT	221	Writing Modes & Models	3
COMM	371	Mass Media & Society: Secular & Christian Perspectives	3
Choice of Laboratory			
JRNL	216	Newspaper Laboratory	(1-2)
JRNL	219	Yearbook Laboratory	(1-2)
Select six hours from the following:			6
COMM	250	Portfolio Preparation	(1)
COMM	450	Portfolio Completion	(1)
CPSC	301	Web Design	(3)
ENGL	301	Standard English Grammar	(3)
JRNL	216	Newspaper Laboratory	(1-3)
JRNL	218	Digital Photography I	(3)
JRNL	219	Yearbook Laboratory	(1-3)
JRNL	221	Features & Nonfiction Writing	(3)
JRNL	301	Editing	(3)
JRNL	321	Advanced Features & Nonfiction Writing	(3)
JRNL	414	Fieldwork in Journalism	(3-4)
JRNL	415	Independent Study in Journalism	(1-3)
WRIT	110	The Writing Profession	(3)
WRIT	210	Marketing a Manuscript	<u>(3)</u>
			20

Mass Media Minor

			HOURS
COMM	371	Mass Media & Society: Secular & Christian Perspective	3
Choice of Lab			2
COMM	282	Radio Laboratory	(1-2)
JRNL	216	Newspaper Laboratory	(1-2)
JRNL	219	Yearbook Laboratory	(1-2)
Choice of One			3
COMM	251	Introduction to Public Relations	(3)
COMM	276	Introduction to Advertising	(3)
Choice of One			3
COMM	360	Communication Theory	(3)
COMM	375	Persuasion	(3)
Select nine hours from the following:			9
COMM	275	Broadcast Media Writing	(3)
COMM	278	Radio & TV Announcing	(3)
COMM	282	Radio Laboratory	(1-3)
COMM	380	Radio & TV History & Theory	(3)
COMM	382	Radio & TV Production	(3)
COMM	461	Broadcast Operations & Management	(3-4)
COMM	474	Independent Study in Communication	(1-2)
JRNL	211	Basic News Writing	(3)
JRNL	213	Layout & Design	(3)
JRNL	216	Newspaper Laboratory	(1-3)
JRNL	321	Advanced Features & Nonfiction Writing	<u>(3)</u>
			20

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	<u>0.5</u>
			30-31

Major Core			HOURS
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

Radio Broadcast Minor

		HOURS		
COMM	275	Broadcast Media Writing	3	
COMM	278	Radio & TV Announcing	3	
COMM	282	Radio Laboratory	1	
COMM	371	Mass Media & Society: Secular & Christian Perspectives	3	
COMM	382	Radio & TV Production	3	

Electives to complete the minor from:

COMM	250	Portfolio Preparation	(1)
COMM	251	Introduction to Public Relations	(3)
COMM	276	Introduction to Advertising	(3)
COMM	282	Radio Laboratory	(1)
COMM	380	Radio & TV History & Theory	(3)
COMM	461	Broadcast Operations & Management	(3-4)
COMM	476	Fieldwork in Communication	<u>(3-4)</u>
			17

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

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)			
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			
JRNL	211	Basic News Writing	3
WRIT	221	Writing Modes & Models	3
Literature (choose one)			
LIT	251	Multicultural Literature	(3)
LIT	325	Shakespeare & His Contemporaries	(3)
LIT	328	Survey of Christian Literature	(3)
Linguistics			
ENGL	301	Standard English Grammar	3
			<u>23</u>

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			
LIT	361	Short Story	(3)
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
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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)
LIT	328	Survey of Christian Literature	(3)
LIT	372	Literary Criticism & Theory	(3)

Communication Course (choose one) 2-3

			HOURS
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) 6

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) 2

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) 3

JRNL	211	Basic News Writing	(3)
WRIT	221	Writing Modes & Models	(3)

Choice of One 2-3

COMM	273	Projects in Public Speaking	(2)
COMM	370	Oral Interpretation	(2)
COMM	371	Mass Media & Society	(3)

			HOURS
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)
			<u>40-42</u>

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
			<u>28-30</u>

Electives needed to complete degree 1-5

See *TEACHER EDUCATION* (page 144) for program admission and other information.

Department of Foreign Languages

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

FOREIGN LANGUAGE

			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>1.5</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
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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	435	Theories and Practice of	

FOREIGN LANGUAGE

			HOURS
		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

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.

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 have up to two semesters 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.

The Michiana Deaf Community is a growing source of Deaf pride. The Michiana Deaf Club, the Senior Citizen's Center and Deaf Christian Fellowship are three prominent organizations that work together to provide their communities with education and social activities. Students have ample opportunities to interact with Michiana's Deaf Community as well as Deaf communities in surrounding cities. ASL and interpreting students of Bethel College share the experience of sharpening their professional skills in an ASL club which meets monthly and provides like-minded students with a learning environment.

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	<u>0.5</u>
			30-31
Major			
ASL	101	ASL I with Lab	4
ASL	111	ASL II with Lab	4
ASL	201	ASL III with Lab	4

SIGN LANGUAGE INTERPRETING

			HOURS
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
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
HIST	210	History of the Christian Church & the Deaf Community	3
SOC	202	Race & Ethnicity	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
ENGL	304	Introduction to Linguistics	3
INT	301	Interpreting I with Lab	4
INT	302	Interpreting II with Lab	4
INT	309	Survey of ASL Literature	2
INT	311	Linguistics of ASL	3
INT	401	Interpreting III with Lab	4
INT	402	Interpreting IV with Lab	4
INT	406	Specialized Vocabulary for Interpreters	2
INT	417	Interpreter Certification/Evaluation	1
INT	418	Job Market Analysis in Interpreting	2
INT	420	Ethical Issues in Interpreting	3
INT	450	Interpreting Practicum	<u>8</u>
			57

Electives needed to complete the degree 8

SIGN LANGUAGE INTERPRETING

American Sign Language Minor

			HOURS
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	<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
			<u>47</u>
Major			
MATH	131	Calculus I	4
MATH	132	Calculus II	4
MATH	210	Discrete Mathematics	3
MATH	231	Calculus III	3
MATH	232	Differential Equations	3
MATH	241	Linear Algebra	3
MATH	252	Probability & Statistics	3
MATH	293	Mathematical Theory & Proof	3
MATH	331	Modern Geometry	3
MATH	341	Abstract Algebra	3
MATH	461	Real Analysis	3
ITSC	120	Introduction to Computing	3
ITSC	121	Computer Programming I	3
PHYS	121	General Physics I	4
PHYS	122	General Physics II	4
			<u>49</u>
		Electives needed to complete the degree	28

Mathematics Minor

MATH	131	Calculus I	4
MATH	132	Calculus II	4
MATH	210	Discrete Mathematics	3
MATH	241	Linear Algebra	3
MATH	252	Probability & Statistics	3
MATH	293	Mathematical Theory & Proof	3
MATH	231	Calculus III, or	(3)
MATH	232	Differential Equations, or	(3)
MATH	331	Modern Geometry, or	3
MATH	341	Abstract Algebra, or	(3)
MATH	461	Real Analysis	(3)
			<u>23</u>

Mathematics Education Major

The Bachelor of Arts 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.

		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
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
Major			
MATH	131	Calculus I	4
MATH	132	Calculus II	4
MATH	210	Discrete Mathematics	3
MATH	231	Calculus III	3
MATH	232	Differential Equations	3
MATH	241	Linear Algebra	3
MATH	252	Probability & Statistics	3
MATH	293	Mathematical Theory & Proof	3
MATH	331	Modern Geometry	3
MATH	341	Abstract Algebra	3
ITSC	120	Introduction to Computing	3
PHYS	121	General Physics I	<u>4</u>
			39
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	Developmental Reading	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 144) for program admission and other information.

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	<u>3</u>
			29-30
		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

Required Cognates			HOURS
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	<u>3</u>
			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	<u>4</u>
			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	<u>1.5</u>
			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	1.5
			<u>47</u>

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	225	Statics	3
PHYS	226	Dynamics	3
PHYS	301	Quantum Physics	4
PHYS	332	Waves & Optics	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	3
MATH	232	Differential Equations	3
* MATH/ITSC/PHYSICS Electives: (at the level of 200 or above):			6 <u>55</u>
Electives needed to complete the degree			22 <u>124</u>

* 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	1.5
			<u>33</u>

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	3
MATH	232	Differential Equations	3
MATH	241	Linear Algebra	3
MATH	252	Probability & Statistics	3
PHYS	121	General Physics I	4
PHYS	122	General Physics II	4
PHYS	211	Electronics	4
PHYS	301	Quantum Physics	<u>4</u>
			50

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	332	Waves & Optics	3
PHYS	344	Electricity & Magnetism	<u>3</u>
			12

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	211	Electronics	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

			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	1.5
			<u>47</u>

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	(4)
			<u>26-27</u>

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+	4
			<u>28</u>

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+	4
			<u>28</u>

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	0-2
			<u>27-29</u>

Total hours in major

128-129

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