

**Accounting (18 credits)**

ACCT 211 Financial Accounting.....3  
ACCT 212 Managerial Accounting.....3  
ACCT 311 Intermediate Accounting I.....3  
ACCT 312 Intermediate Accounting II.....3  
Accounting electives .....6

**American Language and Cultures (18 credits)**

IAE 122 Academic English Speaking.....4  
IAE 123 Academic English Writing.....4  
COMM 101 Presentational Speaking.....2  
WRIT 101 Writing in the Liberal Arts.....4  
HIST 220 American History Survey.....4

*This minor is restricted to students whose primary language is not English.*

**Applied Music (16 credits)**

Instrumental and vocal requirements: voice, violin, viola, violoncello, double bass, guitar, trumpet, French horn, trombone, euphonium, tuba, flute, oboe, clarinet, saxophone, bassoon, percussion

Applied music.....14 hours  
Ensemble.....2 hours

Piano requirements:

Piano.....14 hours  
Ensemble.....2 hours

Organ requirements:

Organ.....14 hours  
Ensemble.....2 hours

Keyboard requirements:

Keyboard.....	14 hours
Ensemble.....	2 hours

**Art (14 credits)**

A student may obtain an art minor by completing 14 hours in art.

**Athletic Administration and Sports Management (14 credits)**

PHED 314 Organization and Management of PE and Athletics.....	2
PHED 306 Principles of Coaching and Sports Management.....	2
PHED 315 Psychosocial Aspects of PE and Sport (F, odd).....	2
PHED 313 Sports Marketing and Communication (s, even).....	2
<i>Electives – choose one of the following:</i>	
BADM 213 Business Law.....	3
BADM 320 Leadership Development.....	3

**Bible (12 credits)**

12 hours in Bible, numbered 200 or above.

**Biology (12 credits)**

12 hours above BIOL 151, 152.

**Business Administration (14 credits)**

ECON 210 Principles of Microeconomics or ECON 211 Principles of Macroeconomics.....	3
ACCT 211 Financial Accounting.....	3

BADM 212 Principles of Management .....	3
Business courses numbered 200 or above (except BADM 307, 308, and 309).....	5

**Chemistry (12 credits)**

The minor in Chemistry consists of any three 4-hour CHEM courses (total 12 hours) at or above the 200 level.

(Biochemistry I [CHEM 332] and Biochemistry Laboratory I [CHEM 334] together count as a 4-hour course.)

**Communication (12-15 credits)**

COMM 205 Intro to Communication Theory.....	3
Three additional courses with COMM prefix for at least 9 hours total.....	9-12

**Computer Science (16 credits)**

CSCI 211 Programming I.....	4
CSCI 218 Programming II.....	4
CSCI 226 Computer Architecture.....	4
CSCI 236 Data Structure and Algorithms .....	4

**Data Science (14-16 credits)**

DSCI 211 Data Science I.....	4
DSCI 212 Data Science II.....	4
Choose two of the following. At least one must be in programming or statistics.	
CSCI 211 Programming I.....	4
CSCI 218 Programming II.....	4
BADM/PSY 309 Statistics.....	3, 4

COMM 232 Introduction to Web Communication .....	4
ART/COMM 224 Time, Motion and Communication.....	4
ART 245 Graphic Design I.....	4
COMM 314 New Media and Society.....	4
An approved Special Topics course.....	2-4

**Economics (14 credits)**

ECON 210 Principles of Microeconomics.....	3
ECON 211 Principles of Macroeconomics.....	3
Additional hours from ECON courses numbered 200 or above.....	8

**Education (14-16 credits)**

EDUC 219 Educational Psychology.....	4
EDUC 217 Education and American Culture.....	4

*Electives – Choose at least two of the following courses in consultation with an Education Department faculty member.*

EDUC 114 Mathematical Concepts and Reasoning.....	4
EDUC 221 Children’s Literature.....	4
EDUC 223 Adolescent Literature.....	4
EDUC 235 Educating Exceptional Learners.....	4
EDUC 240 Teaching in Urban America.....	2

**Elective Music (16 credits)**

The Elective Minor in Music is a special 16-hour concentration of selected courses developed to meet the student’s individual interests as approved by the director of the Greatbatch School of Music. It may include some applied and/or ensemble work but requires a minimum of 8 credits of coursework other

than applied lessons or ensembles. The course of study agreed upon by the student and department is placed on file in the Registrar's Office.

**Engineering Track (with Applied Physics Major)**

BS (36 hours in core; 12 co-requisite hours; 16-20 prerequisite hours)

*Prerequisites:*

PHYS 151, 152 General Physics I, II.....	4, 4
MATH 181 Calculus I or MATH 170/171 Calculus I with Pre-Calculus A and B or MATH 160/161 Calculus for Life Science A and B.....	4 or 4, 4
MATH 182 Calculus II.....	4

*Co-requisites:*

MATH 241 Differential Equations.....	4
MATH 225 Multivariate Calculus.....	4
CHEM 151 General Chemistry I or CSCI 211 Programming I.....	4

*Required Courses:*

PHYS 215 Statics and Engineering Design.....	4
PHYS 251 Mechanics I.....	4
PHYS 258 Analog Electronics.....	4
PHYS 259 Digital Electronics.....	4
PHYS 212 Modern Physics.....	2
PHYS 275, 276 Experimental Physics Lab.....	1, 1
PHYS 353 Electricity and Magnetism I.....	4
PHYS 355 Thermal Physics.....	4
PHYS 471, 472 Physics Project Lab.....	1, 1
PHYS 482 Senior Capstone: Physics Seminar.....	1
STEM 371 Career Seminar.....	1

*One advanced theory course selected from the following:*

PHYS 352 Mechanics II.....	4
PHYS 354 Electricity and Magnetism II.....	4
PHYS 356 Quantum Mechanics.....	4

*Additional recommended supporting courses:*

PHYS 260 Optics.....	4
CHEM 152 General Chemistry II.....	4
ECON 210 Microeconomics.....	3
BADM 303 Entrepreneurship.....	3

**English (12 credits)**

Students choosing a minor in English are required to take ENCL literature courses totaling 12 hours.

**Equestrian Studies (14 credits)**

EQST 329 Equine Science.....	2
EQST 330 Equine Facility Management.....	2
EQST 222 Equestrian Pedagogy Methods.....	2
Equestrian electives (EQST 114 or above).....	8

**Equine-Assisted Therapy (14 credits)**

EQST 329 Equine Science.....	2
EQST 330 Equine Facility Management.....	2
EQST 222 Equestrian Pedagogy Methods.....	2
EQST 226 Foundations of Equine-Assisted Therapies.....	2
EQST 336 Methods and Materials of Equine-Assisted Therapies.....	2

Equestrian electives (EQST 114 or above).....4

**Family Studies (15 credits)**

PSY 230 Lifespan Development of the Family.....3

SOC 237 Introduction to Marriage and Family Studies.....3

8 hours selected from the following courses:

PSY 325 Human Sexuality.....3

PSY 326 Family Systems Theory through Film.....3

SOC 330 Culture and Family.....2

SOC 362 Gender Relations.....2

SOC 297 Special Topics Courses (pre-approved by department chair).....2 or 4

SOC 394 Internship in Family Studies.....1, 2, 3, 4, 5 or 6

SOC 337 Theological Foundations of the Family.....4

**Forestry Minor (14 credits)**

*SUNY-ESF Ranger School Required Prerequisites (courses taken at Houghton – 32 credits)*

ECON 210 Principles of Microeconomics or ECON 211 Principles of Macroeconomics.....3

BIOL, CHEM or PHYS – science course with lab.....4

MATH 181 Calculus I or MATH 170/171 Calculus I with Pre-calculus A and B or

MATH 160/161 Calculus for Life Sciences A and B.....4 or 4, 4

English with focus on writing (e.g. Writing in Liberal Arts).....6

Electives (*suggested areas: psychology, sociology, computer science, public speaking*).....12

*Forestry Minor – courses taken during fall semester at SUNY-ESF Ranger School – 14 credits transfer to Houghton College for minor*

Forest Ecology (this course, when counted for the minor, may NOT also be counted toward a biology major).....4

Dendrology.....3

Introduction to Natural Resources Measurements.....	5
Remote Sensing and Geographic Information Technology.....	3

8 hours of additional coursework are included in the program but do NOT transfer back to Houghton College.

**French Self-Designed Minor (14-16 credits)**

A 14-16 hour self-designed minor with courses beyond the 102 level as determined by arrangement with the chair of the Department of World Languages and Literatures. A special course of study is developed to meet the student’s specific goals and is signed prior to the taking of the courses. The signed course of study is placed on file in the Registrar’s Office.

**German Self-Designed Minor (14-16 credits)**

A 14-16 hour self-designed minor with courses beyond a 102 level as determined by arrangement with the chair of the Department of World Languages and Literatures. A special course of study is developed to meet the student’s specific goals and is signed prior to the taking of the courses. The signed course of study is placed on file in the Registrar’s Office.

**Health Promotion and Fitness (14-16 credits)**

PHED 237 Holistic Health.....	3
PHED 243 Prevention, Assessment and Management of Lower Extremity Injuries <b>or</b> PHED 245 Prevention, Assessment and Management of Upper Extremity Injuries.....	3
PHED 341 Kinesiology.....	4
PHED 295 ST: Concepts of Personal Training.....	3
<i>Elective – choose one of the following:</i>	
BIO 232 Epidemiology.....	2
CHEM 187 Intro to Nutrition.....	3
PSY 230 Lifespan Development of the Family.....	3

**History (16 credits)**



16 hours of history courses numbered 200 or above.

**Intercultural Studies (12-15 credits)**

INCL 201 Introduction to Global Issues.....3  
INCL 243 Cultural Anthropology.....3  
INCL 310 Intercultural Competencies.....3  
INCL 311 Intercultural Experience.....0-4  
Elective if INCL 311 is done for less than 3 credits: any INCL/IDEV/ANTH course.....3-4

*The INCL 311 Experience should be the last course of the minor and must have INCL 310 as prerequisite.*

**International Development (14-17 credits)**

INCL 201 Introduction to Global Issues.....3  
INCL 338 Issues in Development.....4  
INCL 346 Governance and Development.....4

*Optional Courses (choose one of the following courses)*

POLS 212 Social Science Research Methods.....4  
ECON 210 Principles of Microeconomics and ECON 211 Principles of Macroeconomics.....3, 3  
INCL 345 Peacebuilding: Genocide and Religious Diversity (Go-Ed).....3  
POLS 345 Community Organization and Development.....4  
INCL 347 Development Communication and Grant Writing.....4  
INCL 350 Culture Change and Globalization.....4  
INCL 442 Globalization and Islamization.....3-4

**Leadership Studies (14 credits)**

BADM 320 Leadership Development.....3

*Additional hours selected from the following (from at least two disciplines):*

MIN 317 Leadership in the Church .....	3
THEL 320 Spiritual Formation.....	4
THEL 327 Church, Mission and Culture.....	3
BADM 212 Principles of Management.....	3
BADM 301 Business Communication.....	3
INCL 310 Intercultural Competencies.....	4
COMM 215 Interpersonal Communication.....	3
COMM 216 Organizational Communication.....	3
COMM 330 Conflict Management.....	3
REC 227 Outdoor Leadership Training.....	3
SWRM 215 Leadership Development in Sport, Recreation and Wellness.....	2
SWRM 216 Judgement and Decision Making in Sport, Recreation and Wellness.....	2
MBCM 320 Artist Management and Development Internship.....	1-4

**Linguistics (16 credits)**

LING 220 Introduction to Linguistics.....	4
LING 322 Phonetics.....	4
LING 323 Phonology I.....	4
LING 333 Grammar I.....	4

**Management (16 credits)**

BADM 212 Principles of Management.....	3
BADM 314 Human Resources Management.....	3
BADM 202 Accounting and Finance for Non-Financial Managers or ACCT 211 Financial Accounting.....	2-3

*Additional hours selected from the following:*

BADM 301 Business Communication.....	3
BADM 303 Entrepreneurship.....	3
BADM 320 Leadership Development.....	3
Total additional hours.....	6

**Mathematics (12 credits)**

12 hours in mathematics courses numbered 182 and higher.

**Military Leadership Minor (12 credits) (ROTC at Houghton, through St. Bonaventure University-Army)**

Houghton College students may participate in the Reserve Officer Training Corps (ROTC) through a cross-enrollment agreement with St. Bonaventure University. Two hours of military science are offered each semester that combine academic coursework and practical field experience designed to enhance self-confidence, discipline, initiative and responsibility. 100- and 200- level courses are offered on the Houghton campus to any interested student without obligation to the Army. Up to 8 hours of Houghton graduation credit can be earned this way. 300- and 400- level courses, offered on the St. Bonaventure University campus, are open only to students under contract with the U.S. Army. Houghton students have done well in competition for scholarships, which cover full tuition and books plus a modest living allowance.

**Missions (15-16 credits)**

MISS 241 History of the Global Christian Movement or THEL 220 History of Christianity.....	4
MISS 242 Missions and the Global Church.....	4
MISS 341 Biblical and Theological Foundations of Missions, MISS 342 Contextualization in Missions <b>and/or</b> MISS 243 Introduction to Missiological Foundations.....	4

*Electives*

Religion course focusing on major religions, such as Islam, Buddhism or traditional religions. May be on campus or through off-campus study approved through advising (e.g. , a Go-Ed religion course)..3-4

*INCL 310 Intercultural Competencies of appropriate course from INCL, MISS, THEL prefix through advisement of INCL chair.*

**Music Industry (17 credits)**

MTH 220 Music Theory I.....3  
MTH 221 Musicianship I.....1  
MTH 227 Music Theory II.....3  
MTH 228 Musicianship II.....1  
MBCM 206 Introduction to Music Business.....3  
MUS 207 Introduction to Pro Tools.....3  
MUS 208 Pro Tools Production I.....3  
MUS 181 Practicum in Sound and Recording.....0

**Philosophy (12 credits)**

*Choose at least one course from the following:*

PHIL 243 Ancient Philosophy.....4  
PHIL 244 Medieval Philosophy.....4  
PHIL 245 Early Modern Philosophy.....4  
PHIL 246 Late Modern Philosophy and Contemporary Philosophy.....4  
Philosophy electives.....8

**Physics (12 credits)**

12 hours in physics courses numbered 211 or above.

**Political Science (16 credits)**

16 hours of POLS coursework (if a student takes a Mayterm course worth only 3 credit hours, he or she may complete the minor with only 15 hours).

**Pre-Art Therapy Interest**

Students interested in art therapy as a career may prepare for graduate study in the field by either majoring in Art with a structured minor in Psychology or by majoring in Psychology with a structured minor in Art. Either path will enable the student to fulfill the undergraduate requirements for graduate school admission and the guidelines of the American Art Therapy Association.

Art Major Option:

PSY 213 Developmental Psychology.....3

PSY 305 Abnormal Psychology.....3

*At least two more courses selected from the following in consultation with Dr. Young:*

PSY 217 Adolescence and Emerging Adulthood.....3

PSY 310 Experimental Methods (with a prerequisite of BADM/PSY 309 Statistics).....4

PSY 314 Child Psychopathology.....3

PSY 402 Counseling and Psychotherapy.....3

Psychology Major Option:

ART 271 Ceramics I.....4

ART 241 Two-Dimensional Design.....2

ART 242 Three-Dimensional Design.....2

ART 211 Drawing I.....2

ART 245 Graphic Design I.....4

ART 221 Painting I.....4

**Pre-Athletic Training Minor (16 credits)**

PHED 243 Prevention, Assessment and Management of Lower Extremity Injuries.....3

PHED 245 Prevention, Assessment and Management of Upper Extremity Injuries.....3

PHED 308 First Aid/Safety.....2

PHED 330 Physiology of Exercise or PHED 341 Kinesiology.....4

PHED 347 Therapeutic Modalities.....2

**Pre-Law Interest**

From the Mosaic law of the Pentateuch and the pugnacious speeches of the courts of Athens, the practicum and study of law have roots deep in Western history. Today, law continues to play a critical role in helping the dynamic world of the 21<sup>st</sup> century function effectively. Politics, economics, technology – in an increasingly globalized world, every aspect of human culture is enmeshed in a web of national and international legal institutions. Indeed few fields so deeply combine theory and practice as does the law, opening diverse avenues for applying the tools of the intellect to the problems of society.

Houghton’s emphasis on the liberal arts provides a broad range of study as well as specific skills in critical thinking, reading comprehension, research, and oral and written communication. Organizations such as the American Bar Association ([www.abanet.org](http://www.abanet.org)) and the Law School Admissions Council ([www.lsac.org](http://www.lsac.org)) recommend precisely this sort of preparation for students planning to attend law school.

The study of pre-law is built around a personal, individualized relationship with one of the college’s pre-law advisors. Students considering law school come from all majors and minors; no particular major is required. The pre-law advisors work with each student to develop a study that complements his or her chosen major by emphasizing the development of analytical thinking; habits of thoroughness, intellectual curiosity and scholarship; and the ability to organize data and communicate results. We recommend a balanced selection of courses drawn from areas such as logic and critical thinking; communication, public speaking, debate and writing; American history and politics; philosophy and ethics; mathematics and accounting; and economics, sociology or other social sciences. These recommendations directly reflect law school admissions expectations.

The pre-law advisors also encourage students to consider additional forms of relevant preparation, such as internships in local law offices or opportunities for research and field experience. They work closely with VOCA on matters such as LSAT preparation and the law school application process. Those interested in pre-law also sponsor various events, including the college’s annual Constitution Day celebration and an associated reading group; excursions to law offices, courtrooms or regional points of interest; and visits with members of Houghton’s extensive network of alumni attorneys. Students are also encouraged to join the Runnymede Society, Houghton’s student pre-law society. Founded in 2010, the Runnymede Society sponsors a range of events devoted to helping students prepare for law school and promoting campus discussion about issues of law and public affairs.

In addition to attending law school, pre-law students discover a range of callings, including graduate work in political science, philosophy or business as well as careers in law-related fields such as criminal justice, sociology, development and journalism. The preparation required for success in law school translates well to many professions.

## **Pre-Medical Interest**

Allopathic (awarding an M.D.) and osteopathic (awarding a D.O.) medical schools are very competitive, receiving far more applications each year than the limited number of available openings. Admission committees seek well rounded individuals with outstanding academic achievement at the undergraduate level. Ensuring these two qualities is vital if an applicant is to receive serious consideration for admission.

Students interested in pursuing medical training in graduate school should begin early seeking out opportunities to demonstrate a commitment to community service and to gain practical experience in the medical field. An example of the opportunities offered at Houghton College for students to gain such experiences in the context of elective coursework includes a semester long course in Medical Ethics (which offers a service learning experience in a health related venue).

The two academic benchmarks used by medical schools in screening applicants are the Medical School Application Test (MCAT) and college GPA. Strong performance in both of these is necessary in order to maximize one's chance of being accepted to medical school. Students considering medical school should expect to work diligently from the very beginning of their college experience in order to assure their best preparation for the MCAT. The MCAT is usually taken during the spring of the junior year to support an application for medical school matriculation in the fall following college graduation. Thus, those who intend to follow this timeline for application to medical school should complete the courses needed for MCAT preparation (one year of General Biology, one year of General Chemistry followed by one year of Organic Chemistry, one semester of Calculus followed by one year of Physics) by the end of their junior year. For specific course information please refer to the course descriptions in the appropriate departmental section of the catalog.

For further information about preparing for medical school, contact Dr. Jamie Potter at [jamie.potter@houghton.edu](mailto:jamie.potter@houghton.edu).

## **Pre-Nursing Interest**

Prerequisites for institutions offering BSN, accelerated BSN, MSN, or accelerated MSN can vary widely. Students need to investigate those requirements.

Nursing is one of the largest and fastest growing professions in our nation. Typical paths to registered nursing include completion of a Bachelor of Science in Nursing (BSN) degree or, for clinical nurse specialists, nurse anesthetists, nurse-midwives and nurse practitioners, a Masters of Science in Nursing (MSN). Houghton students interested in nursing typically pursue one of three paths: a) enroll in an accelerated Bachelor of Nursing (BSN) degree after completion of a BA or BS in another field at Houghton College, b) enroll in an accelerated Masters of Nursing degree after completion of a BA or BS in another field at Houghton College, or, c) transfer to a Bachelor of Nursing (BSN) degree following completion of two years at Houghton College. Most students interested in pursuing nursing major in biology or chemistry, though many other majors are possible. Where a student takes a major other than biology or chemistry, the prerequisite science, psychology and math courses need to be included. An advantage to studying at Houghton College prior to pursuing the nursing degree is the availability of Intercultural Studies courses. These classes, including those related to public health, prepare students

for global service opportunities in missions, NGO's, public health organizations and educational institutions. For further information contact Dr. Jamie Potter, at [jamie.potter@houghton.edu](mailto:jamie.potter@houghton.edu).

The prerequisites for BSN, accelerated BSN and MSN or accelerated MSN degrees can vary widely. It is therefore highly recommended that the student interested in pursuing nursing following Houghton, work with Professor Jamie Potter, during their first and second years at Houghton College to review the specific requirements at selected colleges and universities.

Students planning on transferring to a BSN program or an accelerated BSN program typically complete the following courses:

BIOL 217 and BIOL 218 Human Anatomy and Physiology.....	4, 4
CHEM 151 and CHEM 152 General Chemistry.....	4, 4
BIOL 242 Microbiology.....	4
CHEM 187 and CHEM 188 Nutrition.....	4
SOC 307 and SOC 308 or SOC 309 or MATH 131 Statistics.....	3 or 4
PSY 213 Development Psychology.....	4

Other courses that may be required by specific BSN or accelerated nursing degrees (either BSN or MSN) include, introduction to psychology, pathophysiology, theology/religious studies, medical ethics, human growth and development, sociology and pharmacology.

### **Pre-Nursing Interest with Intercultural Studies**

BIOL 217 and BIOL 218 Human Anatomy and Physiology.....	4, 4
CHEM 151 and CHEM 152 General Chemistry.....	4, 4
BIOL 242 Microbiology.....	4
CHEM 187 and CHEM 188 Nutrition.....	4
PSY 307 and PSY 308 or PSY 309 or MATH 131 Statistics.....	3 or 4
PSY 213 Development Psychology.....	4

### *Intercultural Studies Courses:*

INCL 201 Introduction to Global Issues.....	4
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ICL 243 Cultural Anthropology.....	4
INCL 310 Intercultural Competencies.....	4
INCL 311 Intercultural Experience.....	0-4

*Note: Completion of these four courses constitutes a minor in Intercultural Studies.*

*Other helpful courses for students interested in nursing and missions or related international careers:*

INCL 348 Foundations of Health Development.....	4
MISS 241 History of the Global Christian Movement.....	4
MISS 242 Missions and the Global Church.....	4
MISS 341 Biblical and Theological Foundations of Mission.....	4
Various Bible Courses.....	X

*Note: Completion of these four courses would constitute a minor in missions.*

**Pre-Seminary Interest**

Consult the Department Chair of Biblical Studies, Theology and Philosophy: Michael Jordan. For those who expect to attend seminary after college, The Association of Theological Schools offers the following guidelines:

- Students should develop to a satisfactory degree their ability to think independently, to communicate effectively and to do research.
- Students should possess a general knowledge of past and present culture through study in the humanities and the natural and social sciences.
- The biblical languages are useful tools to acquire in the pre-seminary period. Latin may be helpful, especially in some traditions. Modern languages such as German, French, and Spanish are also valuable.

**Pre-Veterinary Medicine Interest**

Houghton provides a broad education while offering those courses specified by veterinary medical colleges for admission. Veterinary colleges stress the desirability of a well-rounded post-secondary education. They accept students without regard to their pre-professional majors and sometimes after three years of 90 hours of credit. However, most applicants major in Biology or Chemistry and, on

average, have more than 100 hours of pre-professional training. Because there are relatively few veterinary colleges, the number of students accepted each year into veterinary curricula is small. Therefore, excellence of academic achievement and personal character as well as familiarity with the profession are necessary for admission. For further information, contact Dr. Aaron Sullivan.

**Psychology (12-16 credits)**

At least four courses in psychology above PSY 111, totally 12-16 hours. Statistics (PSY 309) is excluded if courses chosen for the minor total less than 15 hours.

**Public Health (14 credits)**

INCL 348 Foundations of Health Development (Mayterm).....	4
BIOL 232 Epidemiology (Mayterm).....	2
<i>Electives (choose a total of 8 hours from the following courses)</i>	
INCL 310 Intercultural Competencies* .....	4
INCL 347 Development Communication and Grant Writing* .....	4
INCL 295 ST: Introduction to Public Health.....	2-4
ANTH/SOC 315 Human Ecology** .....	4
PSY 309 Statistics.....	4
CHEM 187 Introduction to Nutrition** and CHEM 188 Introduction to Nutrition Lab.....	3, 1
BIOL 2XX or higher (BIOL 380 Pathogenic Microbes recommended – has prerequisites).....	4
POLS 345 Community Organization and Development.....	4

\*Recommended for Biology majors and other non-INCL majors

\*\*Recommended for INCL majors and other non-biology majors

**Recreation (16 credits)**

SRWM 221* Principles of Sport, Recreation and Wellness Management.....	3
REC 227 Outdoor Leadership Training.....	3

REC 204* or PHED 308* Wilderness Medicine of First Aid/Safety.....	2
REC 300* Program Planning and Development.....	3
<i>Electives – choose three from the following list below – at least two must be 200-level or higher</i>	
REC 240 Administration of Organized Camps and Recreation.....	2
REC 241 Recreation and Tourism.....	2
SRWM 215 Leadership Development in Sport, Recreation and Wellness.....	2
SRWM 216 Judgement and Decision Making in Sport, Recreation and Wellness.....	2
REC 301 Methods and Materials for Outdoor Educators.....	2
REC 401 Natural Resource Management.....	2
REC 103 Initiatives.....	1
REC 104 Backpacking .....	1

\*courses also found within the SRWM major

\*\*Students with a SRWM major and A Recreation minor must have a minimum of 12 non-overlapping credits to complete the minor.

**Religion (12-16 credits)**

PHIL 255 Reason and Religious Belief.....	2
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*Select two courses from the following:*

REL 221 Hinduism and Buddhism.....	2
REL 231 Judaism.....	2
INCL/MISS 360 Introduction to Islamic Studies.....	4

*Select additional courses from the following:*

THEL 215 Christian Apologetics.....	4
THEL 313 Systematic Theology.....	4
BIBL 355 Old Testament Theology.....	2
BIBL 356 New Testament Theology.....	2

THEL 220 History of Christianity.....4

**Sociology (12 credits)**

12 hours above SOC 101, excluding PSY 309 Statistics.

**Spanish (14-16 credits)**

14-16 hours of SPAN courses beyond SPAN 102. The minor may also include SPAN 205 Intermediate Spanish. No more than 4 hours of Intermediate Spanish may be applied.

**Sports Ministry Minor (16 credits)**

CRFM 325 Bible Study and Teaching Methods.....2

PHED/CRFM 227 Sports Ministry: The Integration of Faith and Sport.....3

PHED/CRFM 275 Methods of Administration of Sports Ministry.....3

Choose one course from the following:

CRFM 341/342 Theological Explorations in Youth Cultures and Ministry I and II.....2, 2

THEL 313 Systematic Theology.....4

Select at least one course from the following:

INCL XXX Intercultural course recommended by department.....1-4

MISS 242 Missions and the Global Church .....4

PHED 305 Sports Ministry Field Practicum\*.....2

PHED 306 Principles of Coaching and Sport Management.....4

REC 227 Outdoor Leadership Training.....3

REC 240 Administration of Organized Camps.....2

REC 241 Recreation and Tourism.....2

CREM 341/342 or THEL 313 (whichever is not used in previous category).....4

\*With approval, the practicum can be fulfilled through one of the following provided the course has a sufficient sports ministry component:

CRFM 442 Internship in Christian Formation.....	4
MISS 311 Cross Cultural Field Experience.....	3-4
INCL 311 Intercultural Experience.....	0-4

**TESOL (20-21 credits)**

LING 220 Introduction to Linguistics.....	4
LING 351 Linguistics for TESOL.....	4
LING 350 First and Second Language Acquisition.....	4
LING/EDUC 371 TESOL Methods: ELA.....	3
LING 373 TESOL Field Experience.....	1-2
COMM/ANTH 225 Intercultural Communication or INCL/ANTH 310 Intercultural Competencies.....	4

**Theology (12 credits)**

THEL 313 Systematic Theology.....	4
Theology electives above THEL 209.....	8

**Writing (12 credits)**

A student may obtain a Writing minor by completing 12 hours of WRIT courses above the 100-level.

**World Religions (14 credits)**

REL 221 Hinduism and Buddhism.....	2
REL 225 Taoism and Confucianism.....	2
REL 231 Judaism.....	2

REL 222 New Religious Movements I.....	2
REL 232 New Religious Movements II.....	2
INCL/MISS 360 Introduction to Islamic Foundations.....	4