

Accounting (15 credits)

ACCT 211 Financial Accounting.....3

ACCT 212 Managerial Accounting.....3

ACCT 311 Intermediate Accounting I.....3

ACCT 312 Intermediate Accounting II.....3

Choose 3 credits of ACCT electives.....3

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)

Sixteen hours in one performance area (minimum 8 hours at or above level 201 and one year in an appropriate ensemble), normally consisting of 14 hours of applied study and 2 hours of ensemble. A hearing is required to establish appropriate placement of study. Limited enrollment in some areas based on teacher availability.

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

Piano and organ combined.....14 hours

Ensemble.....2 hours

Art (14 credits)

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

Athletics 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

Electives – choose one of the following:

BADM 213 Business Law.....3

BADM 320 Leadership Development.....3

The Athletic Administration and Sports Management program equips students with organizational planning, decision-making and execution within the growing sporting world. This minor prepares students for professional leadership roles within the sports industry including collegiate and high school athletics, event and facilities management, sports marketing, media and public relations, recreation programming, product management, and/or emergent technologies.

Bible (12 credits)

12 hours in Bible, numbered 200 or above.

Biology (12 credits)

12 hours above BIOL 151, 152.

Business Administration (15 credits)

ACCT 211 Financial Accounting or BADM 202 Accounting & Finance Principles.....3

BADM 212 Principles of Management or BADM 201 Business Communication.....3

BADM 213 Business Law I or BADM 214 Business Law II.....3

BADM 218 Marketing Principles or BADM 315 Public Relations Principles.....3

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

Chemistry (12 credits)

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

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 Structures and Algorithms.....4

Data Science (14-16 credits)

DSCI 211 Data Science I.....4

DSCI 212 Data Science II.....	4
<i>Choose two of the following. At least one must be in programming or statistics.</i>	
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 (15 credits)

ECON 210 Principles of Microeconomics.....	3
ECON 211 Principles of Macroeconomics.....	3
<i>Additional credits from ECON courses numbered 200 or above.....</i>	<i>9</i>

Education (14-16 credits)

EDUC 219 Educational Psychology.....	3
EDUC 217 Education and American Culture.....	3
Electives – Choose at least three of the following courses in consultation with an Education Department faculty member.	
EDUC 114 Mathematical Concepts and Reasoning.....	4
EDUC 221 Children’s Literature.....	3
EDUC 223 Adolescent Literature.....	3
EDUC 235 Educating Exceptional Learners.....	3

EDUC 240 Teaching in Urban America.....	3
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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.

English (12 credits)

Students choosing a minor in English are required to take ENGL 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

A minor in Equestrian Studies will equip students with a broad base of knowledge in classical horsemanship encompassing theory and philosophy, riding, the teaching of riding, and care of the horse and will cultivate Christ-like character, enabling them to become effective servant-scholars.

*Note: no more than 8 hours of EQST courses may be counted towards graduation for students not majoring in Recreation with the equestrian options or minoring in Equestrian Studies.

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

A minor in Equine-Assisted Therapy will equip students to use horses to help individuals with disabilities in various settings using a variety of facilitation techniques. Students choosing to pursue a certification from the Professional Association of Therapeutic Horsemanship (PATH) can do so through an internship field placement.

*Note: no more than 8 hours of EQST courses may be counted towards graduation for students not majoring in Recreation with the equestrian options or minoring in Equestrian Studies.

Family Studies (15 credits)

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

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

9 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

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

The Family Studies minor is interdisciplinary, combining the fields of anthropology, sociology, psychology, and religion. Special topics in other disciplines are also offered according to interest and demand. The minor is designed to provide students with adequate knowledge and skills for professional careers in human services and leadership roles in the church, family and community in addition to preparing students for further education in family studies and related areas.

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 (<i>suggested areas: psychology, sociology, computer science, public speaking</i>).....	12
<i>Forestry Minor – courses taken during fall semester at SUNY-ESF Ranger School – 14 credits transfer to Houghton College for minor</i>	
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 (12-14 credits)

A 12-14-hour self-designed minor with courses beyond the 102 level as determined by arrangement with the chair of Global Studies Department. 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 (12-14 credits)

A 12-14-hour self-designed minor with courses beyond the 102 level as determined by arrangement with the chair of the Global Studies Department. 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 Studies Minor (12 credits)

12 hours of coursework, of which at least 6 hours in German language study at any level and at least 3 hours in the study of German, Austrian, or Swiss history, politics, or culture, broadly understood. Students may take additional or higher level German courses as a tutorial (via approvals) or through study abroad.

Language courses (choose at least 6 hours):

GERM 101 German Level 1.....3
GERM 102 German Level 2.....3
Higher level German course as Tutorial (with approval).....3

Culture Courses (choose at least 3 hours):

ART 234 Art and Architecture in Europe: Germany.....4
HIST 368 The Reformation.....4
POLS/HIST 295 ST: Luther as Political Thinker.....3
POLS/HIST/HUM 348 ST: Vienna 1900: Politico-Cultural Crisis and Creativity.....3-4
THEL 333 Major Figures in Theology: Bonhoeffer.....2
Other approved study abroad courses.....1-4

Global Health (14 credits)

PSY 309 Statistics or POLS Social Science Research Methods*4
BIOL 232 Epidemiology (Mayterm).....2
INCL 201 Introduction to Global Issues.....3

Electives (choose from the below courses to complete the required credit hours. Note the recommendations at the bottom)

INCL 310 Intercultural Competencies**3
PHED 237 Holistic Health.....3
PHIL 240 Medical Ethics.....2
ANTH/SOC 315 Human Ecology (Tanzania only).....4
CHEM 187 Introduction to Nutrition*** and CHEM 188 Introduction to Nutrition Lab.....3,1
BIOL 2XX or higher (with advisement) (BIOL 380 Pathogenic Microbes recommended – has prerequisite).....4

Other courses under advisement and Department approval

**Recommended before Epidemiology*

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

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

The minor in Global Health is an introduction to the field of global public health, which entails options and policies within the domestic and international context. Its purpose is to provide a Christian liberal arts perspective to understanding the domains of global health, which facilitate the well-being of communities and populations in a holistic and sustainable way. The minor has a common core for all students and is then structured from elective courses to best complement the student’s major.

Health Promotion and Fitness (14-15 credits)

PHED 237 Holistic Health.....3

PHED 243 Prevention, Assessment and Management of Lower Extremity Injuries **or**

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

PHED 341 Kinesiology.....3

PHED 295 ST: Concepts of Personal Training.....3

Elective – Choose one of the following:

BIO 232 Epidemiology2

CHEM 187 Intro to Nutrition.....3

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

The Health Promotion and Fitness minor prepares students for a variety of careers such as a health coach, fitness instructor, and/or personal trainer in the health, wellness and fitness industry. Students can choose to pursue a certification in Personal Training Certification through the National Council on Strength and Fitness.

History (14 credits)

14 hours of history courses numbered 200 or above.

Human Resources Management (15 credits) – Main Campus & Houghton Online

BADM 314 Human Resources Management (Prerequisite BADM 210 or 212).....3

BADM 345 Employment Law.....3

BADM 450 Managing Total Rewards.....3

BADM 446 Staffing & Performance Management.....3

Additional 3 credits selected from the following:

BADM 320 Leadership Development.....3

BADM 414 Workplace Excellence.....3

BADM 448 Employee Training & Development.....3

BADM 475 Organizational Development3

Integrated Marketing Communication (15 credits)

BADM/COMM 218 Marketing Principles.....3

BADM/COMM 312 Advertising Principles.....3

BADM/COMM 315 Public Relations Principles.....3

BADM 319 Marketing Research.....3

Additional 3 credits selected from following:

BADM/COMM 304 Social Media Marketing or BADM 340 eCommerce.....3

BADM/COMM 335 Integrated Marketing Communication.....3

COMM 314 New Media and Society.....3

PSY 218 Social Psychology.....3

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 Minor (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)

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	4

The International Development minor equips students with basic critical-analytical skills and contextual knowledge needed to understand and address practical problems of sustainable development anywhere in the world. The minor is grounded in a Christian worldview and therefore pursues ideas and approaches to development that hold the promise of holistic transformation within communities and institutions and seeks to correct the injustices associated with poverty, oppression and inequality.

Leadership Development (15 credits)

BADM 210 Fundamentals of Management or BADM 212 Principles of Management.....	3
BADM 320 Leadership Development.....	3
BADM 323 Leading Change.....	3

COMM 215 Interpersonal Communication.....3

Additional 3 credits selected from the following:

BADM 341 Work Team Dynamics.....3

BADM 475 Organizational Development.....3

COMM/PSY 330 Conflict Management.....3

PSY 218 Social Psychology or PSY 301 Psychology of Personality.....3

Leadership Studies (14 credits)

BADM 320 Leadership Development.....3

Additional 11 credits selected from the following (from at least two disciplines):

BADM 201 Business Communication.....3

BADM 212 Principles of Management.....3

COMM 215 Interpersonal Communication.....3

COMM 216 Organizational Communication.....3

COMM/PSY 330 Conflict Management.....3

INCL 310 Intercultural Competencies.....4

MBCM 320 Artist Management and Development Internship.....1-4

MIN 317 Leadership in the Church.....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

THEL 320 Spiritual Formation.....4

THEL 327 Church, Mission and Culture.....3

Linguistics (16 credits)

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

Linguistics courses are useful to anyone expecting to learn about or work with languages. A few examples are foreign language majors, English-as-a-second-language students, people interested in TESOL as a career, people interested in missions and international business, and Education majors facing multilingual classrooms. Philosophy and Psychology students find the areas of semantics and phonology to overlap with their fields of interest. Math majors have found the analysis procedures of linguistics to require similar thinking skills to higher mathematics, and linguistics has provided them with a real-world application of mathematics training.

Management (15 credits)

BADM 202 Accounting and Finance Principles or ACCT 211 Financial Accounting.....3
BADM 210 Fundamentals of Management or 212 Principles of Management.....3
BADM 314 Human Resources Management.....3
BADM 320 Leadership Development.....3
Additional 3 credits selected from the following:
BADM 303 Entrepreneurship.....3
BADM 341 Work Team Dynamics.....3
BADM 448 Employee Training & Development.....3
BADM 475 Organizational Development or BADM 330 Operations Management.....3

Mathematics (12 credits)

12 hours in mathematics courses numbered 182 and higher.

Missions (14-16 credits)

MISS 241 History of the Global Christian Movement or THEL 221 History of Christianity I.....3-4

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

MISS 341 Biblical and Theological Foundations of Mission, MISS 342 Contextualization in Missions **and/or** 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 or appropriate course from INCL, MISS, THEL, prefix through advisement of INCL chair.....3-4

Mission preparation takes multiple paths at Houghton, because 21st-century missions is so diverse. The breadth of liberal arts opens knowledge and skills appropriate for today’s world. Our students join the long tradition from here and partner with the expanding global church in serving Christ. Students taking the missions minor have majored (or double-majored) in everything from Bible, Music and Psychology to Education and more. Other minor options for missions careers include International Development, Linguistics, TESOL and Islamic Studies. Everything about Houghton—the faculty, the missions representatives, the students, and the general campus and community ethos—points to excellent preparation for missions.

Most students who minor in Missions will include the highly recommended Cross-Cultural Field Experience in addition to the regular coursework.

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 (14 credits)

14 hours of POLS coursework.

Pre-Athletic Training (15 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.....3
PHED 347 Therapeutic Modalities.....2
PHED 348 Therapeutic Exercise Management of Injuries.....2

A Pre-Athletic Training minor is designed to enhance the student’s skills in preventing, evaluating and treating various athletic injuries. This minor does not lead to certification in athletic training but prepares students in the skills and knowledge necessary to pursue graduate studies in athletic training.

Psychology (12-16 credits)

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

Recreation (16 credits)

WRWM 221* Principles of Sport, Recreation and Wellness Management.....3

REC 227 Outdoor Leadership Training.....3

SRWM 300** Program Planning and Development.....2

First Aid/Safety or SOLO WFA or WFR certification courses***

Electives – choose 2 from the list below:

SRWM 215 Leadership and Decision Making Processes in Sport, Recreation, & Wellness.....3

REC 240 Camps and Summer Programs.....3

REC 241 Recreation and Tourism.....2

REC 301 Outdoor and Experiential Education.....3

REC 320 Wilderness Recreation and Management in Alaska.....3

REC 401 Natural Resource Management.....3

Electives – choose 1 from the list below:

REC 103 Initiatives1

REC 104 Backpacking.....1

REC 228 Trip Experience: Adventure Sports.....2

SRWM 486 Practicum I (Wilderness Adventures).....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.

***PHED 308 First Aid/Safety or other approved courses in Wilderness Medicine

The Recreation minor equips students interested in areas of private, public and/or non-profit recreation; camp programming; natural resource management; and adventure education. The minor addresses

leadership styles and theory; principles and methods of program development; fundamental leisure philosophy; and theory to assess needs for, plan, develop, implement and evaluate recreational programs. Students examine the historical context of outdoor recreation and recreational use management in the U.S. and modern recreation management techniques and strategies.

Religion (12-16 credits)

PHIL 255 Reason and Religious Belief.....2

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 (12-14 credits)

12-14 hours of SPAN courses beyond 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.....	3,3
THEL 313 Systematic Theology.....	3

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.....	3
REC 227 Outdoor Leadership Training.....	3
REC 240 Camps and Summer Programs.....	3
REC 241 Recreation and Tourism.....	2
CREM 341/342 or THEL 313 (whichever is not used in previous category).....	3

*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

The sports ministry minor equips students with hands-on learning opportunities and a theological foundation for the practice of sports ministry within a variety of settings, from cross-cultural missions and church plants, to recreation/adventure sports, fitness/exercise programs, and coaching or camping. This minor also prepares for parachurch sports ministries, such as Athletes in Action, Fellowship of Christian Athletes, Missionary Athletes International, Sports Friends, Surge International, Ignite International, Push the Rock, Climbing for Christ, and Score International.

TESOL (20-21 credits)

LING 220 Introduction to Linguistics.....	4
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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

Without a doubt, the role of the English language has been transformed in recent years. Its use in international politics and business, in science and technology, and in the media and higher education has earned it special status in over 70 countries worldwide. Nearly a quarter of the world’s population speaks this language, and it is the most widely taught foreign language in the world. Consequently, there is great demand for competent English teachers in almost every nation in the world, including the U.S. A minor in TESOL trains students to serve the international population around the world and within the U.S., offering opportunities for cross-cultural service, even in countries that are closed to receiving missionaries. This is a practical key for opening the doors to our 21st-century world.

Theology (12 credits)

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

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

Writing (12 credits)

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