

ENVIRONMENTAL SCIENCE

NAME	I.D.#	Expected Grad Date	<u>B.S.</u> Degree
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General Education Requirements

- 3 THEO 101 Christian Formation
- 3 BLIT 202 Christian Scriptures I
- 3 BLIT 303 Christian Scriptures II
- 3 THEO 404 Christian Faith
- 3 ENGL 109 College Writing I
- 3 ENGL 207 College Writing II (CSE)
- 3 COMM 105 Fundamentals of Communication
- 3 FINA 101 Introduction to Fine Arts
- 3 HIST 200 Western Civilization
- 3 LIT 205 Studies in Literature
- 3 Select from: ECON 110, PSCI 101, PSCI 223, PSYC 101, or SOCY 120
- 0-8 Elementary Foreign Language I & II **OR** approved International Culture Courses
- 2-3 PHED 190 Wellness or PHED 126 Nutrition
- 1 PHED 191 Applied Fitness

Required Supporting Courses:

- 4 MATH 147 Calculus I
- 4 MATH 148 Calculus II
- 4 MATH 241 Statistics
- 8 One year of Physics

Recommended Supporting Courses:

- 3 ECON 110 Principles of Economics
- 3 PSCI 223 American Government

Major: 54-60 hours

- 4 BIOL 125 Biology I
- 4 BIOL 126 Biology II
- 4 BIOL 370 Ecology
- 4 BIOL 380 Toxicology
- 4 CHEM 103 General Chemistry I
- 4 CHEM 104 General Chemistry II
- 1 ENVI 395 Seminar in Environmental Science
- 3 ENVI 450 Internship in Environmental Science
- 4 ESS 105 The Dynamic Earth
- 3 ESS 332 Water Resource Issues
- 3 ESS 360 Geographic Information Systems
- 4 ESS 385 Chemistry of Earth Processes

In addition, four of the following courses (maximum of two courses from any one department) must be selected:

- 4 BIOL 319 Genetics
- 4 BIOL 352 Advanced Botany
- 4 BIOL 356 Microbiology
- 4 BIOL 360 Invertebrate Zoology
- 4 BIOL 368 Vertebrate Natural History/Anatomy
- 4 CHEM 301 Quantitative Analysis
- 5 CHEM 311 Organic Chemistry I
- 5 CHEM 312 Organic Chemistry II
- 4 CHEM 410 Instrumental Methods of Analysis
- 4 CHEM 482 Physical Chemistry/Thermodynamics
- 4 CHEM 493 Physical Chemistry/Kinetics/Molecular
- 3 ENGR 211 Statics & Mechanics
- 3 ENGR 215 Dynamics
- 4 ENGR 312 Thermodynamics
- 3 ENGR 315 Fluid Mechanics
- 3 ESS 200 Earth's Natural History
- 3 ESS 222 Earth's Landscapes/Natural Hazards
- 4 ESS 302 Mineral Science
- 4 ESS 366 Geologic Structures & Tectonics
- 3 ESS 394 Physics of the Earth

Courses taken at AuSable Institute may also count toward additional hours.