Major Requirements
- BIO 201  4  Biology I: Foundations of Cell Biology and Genetics
- BIO 202  4  Biology II: Organisms and Diversity
- BIO 203  4  Principles of Genetics
- BIO 493  4  Biology Senior Capstone
- ENS 204  4  Principles of Ecology

Select 6 hours in the summer field program from:
(A minimum of 4 hours must be from courses other than BIO 393 and 450. Additional courses from Au Sable Institute or other institutions may count with departmental approval.)
- BIO 304  4  Field Natural History of the Black Hills
- BIO 305  4  Natural History of the Rocky Mountains
- BIO 370  1-4  Selected Topics
- BIO 393*  2-4  Practicum
- BIO 450*  1-4  Directed Research

Additional Major Requirements
Select one of the following chemistry course combinations:
- CHE 201  4  General, Organic, and Biochemistry I
- CHE 202  4  General, Organic, and Biochemistry II
- or
- CHE 211  4  College Chemistry I
- CHE 212  4  College Chemistry II

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Electives
Select 15 elective hours from:
- BIO 244  4  Human Anatomy and Physiology I
- BIO 245  4  Human Anatomy and Physiology II
- BIO 301  4  Taxonomy of Vascular Plants
- BIO 307  4  Vertebrate Natural History
- BIO 312  4  Cellular and Molecular Biology
- BIO 331  4  Comparative Anatomy
- BIO 345  3  Evolution and the Nature of Science
- BIO 360*  1-4  Independent Study
- BIO 370  1-4  Selected Topics
- BIO 410  3  Bioethics
- BIO 432  4  Developmental Biology
- BIO 441  4  Environmental Physiology
- BIO 450*  1-4  Directed Research
- BIO 452  4  Animal Physiology
- BIO 462  4  Molecular Genetics
- BIO 471  4  Microbiology and Immunology
- BIO 472  4  Histology
- BIO 490*  1-2  Honors
- CHE 411  3  Biochemistry I
- ENS 231  4  Introduction to Environmental Science
- ENS 375  4  Systems Ecology

The following courses are also strongly recommended:
CHE 311, 312; PHY 203, 204 or 211, 212; NAS 480

Total Major Hours Required: 49

Systems Requirements for BS Degree – All systems curriculum courses must be completed with a grade of C- or better.

Select one of the following:
- COS 120  4  Introduction to Computational Problem Solving
- IAS 330  3  Human Relations in Organizations
- MAT 151  4  Calculus I
- SYS 101  3  Introduction to Systems
- SYS 390  3  Information Systems Analysis
- SYS 392  1  Systems Seminar
- SYS 394  4  Information Systems Design
- SYS 403  3  Operations Management

Select one of the following:
- COS 121  4  Foundations of Computer Science
- COS 143  3  Interactive Web Page Design

Select one of the following:
- MAT 210  4  Introductory Statistics
- MAT 352  4  Mathematical Statistics

Select one of the following:
- SYS 401*  3  Operations Research
- SYS 402*  3  Modeling and Simulation

Select one of the following:
- BIO 393  3-4  Practicum
- SYS 393  3-4  Practicum

Systems Electives
Select at least 3 hours of electives, in addition to those required in the major or systems:
- MAT 382  3  Advanced Statistical Methods
- MGT 201  3  Business Basics Boot Camp
- SYS 214  3  Principles of Human Computer Interaction
- SYS 310  3  E-Commerce
- SYS 401*  3  Operations Research
- SYS 402*  3  Modeling and Simulation

*Courses in both areas may count only once.

Degree Requirements
- 128 minimum hours and 42 minimum upper-division hours (3XX/4XX course numbers).
- Fifty percent of the minimum hours must be completed at Taylor—64 hours.
- Fifty percent of the major/minor hours must be completed at Taylor.
- 22 of the last 30 hours earned must be completed at Taylor.
- Cumulative GPA of 2.0; major GPA of 2.3 (higher GPA may be required in certain curricula). (See current catalog for policy).
- All foundational core, major, minor, and proficiency requirements must be completed (including Senior Comprehensive Exam/Paper/Project).
- Two years of one foreign language is required for the BA degree.
- Candidates for 2 degrees must complete a minimum of 158 semester hours and meet all requirements for 2 different majors.