Morris Campus

Biology B.A.

Division of Science & Mathematics - Adm

Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 62 to 63
- Degree: Bachelor of Arts

The biology curriculum is designed to provide students with biological knowledge and to develop scientific skills as part of their liberal arts education. Included in those skills are the abilities to conduct and interpret scientific research and to successfully communicate scientific information both verbally and in writing. The faculty believe these objectives can best be attained through a balanced core curriculum in biology and a diverse array of elective coursework, both of which include active lab and field experiences. The biology major prepares students for graduate or professional programs and for careers such as secondary biology education, government service, or private sector employment. The biology discipline also offers a variety of 10XX courses that are designed specifically for students seeking to fulfill general education requirements in science.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

General Requirements

All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements

Students are required to take 2 semester(s) of any second language.

Courses may not be taken S-N unless offered S-N only. Up to 5 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B in the major. A minimum GPA of 2.00 is required in the major in order to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Biology majors are advised to complete their chemistry and mathematics requirements as early as possible. All majors should have their programs approved by a biology adviser by the beginning of their junior year.

Required Courses

BIOL 1111 - Fundamentals of Genetics, Evolution, and Development [SCI] (3.0 cr)
BIOL 2101 - Evolution of Biodiversity [SCI-L] (4.0 cr)
BIOL 2111 - Cell Biology [SCI-L] (4.0 cr)
BIOL 3121 - Molecular Biology [SCI-L] (4.0 cr)
BIOL 3131 - Ecology [ENVT] (4.0 cr)
BIOL 3700 - Biological Communication I (1.0 cr)
BIOL 3701W - Biological Communication II (1.0 cr)
BIOL 4901 - Senior Seminar (1.0 cr)
CHEM 1101 - General Chemistry I [SCI-L] (5.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (5.0 cr)
CHEM 2301 - Organic Chemistry I [SCI] (4.0 cr)
CHEM 2311 - Organic Chemistry Lab I (1.0 cr)
MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)
or MATH 1101 - Calculus I [M/SR] (5.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

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Information current as of March 28, 2024

Elective Courses

Take 16 or more credit(s) from the following:

Organismal Electives

Take 1 or more course(s) from the following:

- BIOL 4071 *{Inactive}*(4.0 cr)
- BIOL 4111 - Microbiology (4.0 cr)
- BIOL 4121 - Herpetology (4.0 cr)
- BIOL 4131 - Vertebrate Natural History (4.0 cr)
- BIOL 4151 - Entomology (4.0 cr)
- BIOL 4172 - Plant Systematics (4.0 cr)
- BIOL 4301 *{Inactive}*(4.0 cr)
- GEOL 3111 - Introduction to Paleontology [SCI-L] (4.0 cr)

Non-Organismal Electives

Take 0 or more course(s) from the following:

- BIOL 4003 *{Inactive}*(4.0 cr)
- BIOL 4103 - Cancer Biology (4.0 cr)
- BIOL 4122 *{Inactive}*(4.0 cr)
- BIOL 4161 - Evolution (4.0 cr)
- BIOL 4181 - Developmental Biology (4.0 cr)
- BIOL 4191 - Freshwater Biology (4.0 cr)
- BIOL 4211 - Biochemistry (4.0 cr)
- BIOL 4231 - Immunology (4.0 cr)
- BIOL 4311 *{Inactive}*(4.0 cr)
- BIOL 4312 - Genetics (4.0 cr)
- BIOL 4321 - Animal Physiology (4.0 cr)
- BIOL 4332 *{Inactive}*[ENVT] (4.0 cr)
- BIOL 4333 *{Inactive}*(4.0 cr)
- BIOL 4351 - Conservation Biology (4.0 cr)
- BIOL 4611 - Biochemistry Lab (1.0 cr)

Other Electives

Take 0 - 1 course(s) from the following:

- PSY 3211 - Biological Psychology [SCI-L] (4.0 cr)
- PSY 3201 - Comparative Psychology [SCI-L] (4.0 cr)

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