Duluth Campus

Biology Minor

Biology

Swenson College of Science and Engineering

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2017
- Required credits in this minor: 32

Biology has long been recognized as basic to such important areas as environment, agriculture, and medicine.

Program Delivery

This program is available:

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

Minor Requirements

Biology Minor Courses (19 cr)

General Biology I

BIOL 1011 - General Biology I [LE CAT, NAT SCI] (5.0 cr)
or BIOL 1013 *{Inactive}*[NAT SCI] (5.0 cr)

General Biology II and Genetics

BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)
BIOL 2201 - Genetics (3.0 cr)

Cell Biology

BIOL 2110 - Cell and Molecular Biology (3.0 cr)
or BIOL 3100 - Cell Biology (3.0 cr)

Ecology

BIOL 2410 - Ecology and Evolution (3.0 cr)
or BIOL 2801 - General Ecology (3.0 cr)
or BIOL 3401 - Evolution (3.0 cr)

Upper Division Requirements (3 cr)

Take 1 or more course(s) totaling 3 or more credit(s) from the following:

- BIOL 3xxx
- BIOL 4xxx
- BIOL 5xxx

Chemistry (10 cr)

Introduction to Organic and Biological Chem I and II

CHEM 1113 - Introduction to General, Organic, and Biological Chemistry I [LE CAT, NAT SCI] (5.0 cr)
CHEM 1114 - Introduction to General, Organic, and Biological Chemistry II (5.0 cr)

or **Chemistry I and II with labs**

CHEM 1153 - General Chemistry I [LE CAT, NAT SCI] (4.0 cr)
CHEM 1154 - General Chemistry Lab I [LE CAT, NAT SCI] (1.0 cr)
CHEM 1155 - General Chemistry II (4.0 cr)
CHEM 1156 - General Chemistry Lab II (1.0 cr)

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