Duluth Campus

Natural History Minor

D Earth & Environmental Sci, Biology

Swenson College of Science and Engineering

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 34
- None

The natural history minor enhances student understanding of the ecology and geology of the natural world. It places particular emphasis on courses with field labs. The minor program covers a wide range of topics in earth's history, geomorphology, ecology, ornithology, entomology, ichthyology, mammalogy, animal behavior, and field interpretation for education, as well as other topics.

Program Delivery

This program is available:

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

Minor Requirements

Required Courses (22 cr)

BIOL 1011 - General Biology I [LE CAT, NAT SCI] (5.0 cr)
BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)
BIOL 2801 - General Ecology (3.0 cr)
EES 1110 - Geology and Earth Systems [LE CAT, NAT SCI, SUSTAIN] (4.0 cr)
EES 2110 - Reconstructing Earth's Climate History (4.0 cr)
BIOL 4992 - Senior Seminar: Classic Readings in Natural History (1.0 cr)

Required Electives (12 cr)

At least 10 credits of electives MUST be 3xxx or above.
Take 12 or more credit(s) from the following:

Biology

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

- BIOL 3601 - Plant Diversity (3.0 cr)
- BIOL 3603 - Plant Taxonomy (3.0 cr)
- BIOL 3701 - Animal Diversity (4.0 cr)
- BIOL 3760 - Marine Biology (3.0 cr)
- BIOL 3761 - Field Studies in Marine Biology (4.0 cr)
- BIOL 3830 *{Inactive}*(3.0 cr)
- BIOL 3835 - Freshwater Ecology (3.0 cr)
- BIOL 4731 - Entomology (3.0 cr)
- BIOL 4761 - Ichthyology (3.0 cr)
- BIOL 4763 - Ornithology (3.0 cr)
- BIOL 4764 - Mammalogy (3.0 cr)
- BIOL 4803 *{Inactive}*(4.0 cr)
- BIOL 4805 *{Inactive}*(2.0 cr)
- BIOL 4818 - Biotic Response to Climate Change (3.0 cr)
- BIOL 4850 - Food and Humans (3.0 cr)
- BIOL 4891 - Animal Behavior (3.0 cr)
- BIOL 5515 - Microbial Diversity and Phylogeny (3.0 cr)
- BIOL 5777 *{Inactive}*(2.0 cr)
- BIOL 5801 - Microbial Ecology (2.0 cr)
- BIOL 5802 *{Inactive}*(2.0 cr)
- BIOL 5805 - Fisheries Ecology and Management (3.0 cr)
- BIOL 5811 *{Inactive}*(2.0 cr)
- BIOL 5833 - Stream Ecology (3.0 cr)
- BIOL 4839 - Coral Reef Field Studies [GLOBAL PER] (3.0 cr)
- BIOL 5861 - Lake Ecology (3.0 cr)
- BIOL 5862 *{Inactive}*(3.0 cr)
- BIOL 5863 - Ecosystems Ecology (3.0 cr)
- BIOL 5865 - Conservation Biology (2.0 cr)

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•BIOL 5870 - Wetland Ecology (3.0 cr)

•Geology

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

•GEOL 1120 *{Inactive}*[LE CAT] (3.0 cr)
•EES 1610 - Oceanography [LE CAT, NAT SCI, SUSTAIN] (3.0 cr)
•GEOL 2350 *{Inactive}*[LE CAT, NAT SCI] (3.0 cr)
•EES 3100 *{Inactive}*(3.0 cr)
•EES 3210 *{Inactive}*(4.0 cr)
•EES 4500 - Field Geology (6.0 cr)
•EES 5220 *{Inactive}*(3.0 cr)
•GEOL 5320 *{Inactive}*(3.0 cr)
•EES 4839 - Coral Reef Geology [GLOBAL PER] (3.0 cr)

•Additional Elective Options

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

•ENED 3341 - Field Interpretive Techniques Fall (3.0 cr)
•ENED 3342 - Field Interpretive Techniques - Winter & Spring (3.0 cr)
•FST 3236 - Icelandic Geology & the New Society (3.0 cr)

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