***Morris Campus***

# Biology Minor

*Division of Science & Mathematics - Adm*

**Division of Science and Mathematics**

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Spring 2022
- Required credits in this minor: 29 to 31

Objectives--The biology curriculum is designed to provide students with biological knowledge and to develop scientific skills as part of their liberal arts education. These skills include the ability to conduct and interpret scientific research and 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.

## Program Delivery

This program is available:

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

## Minor Requirements

Courses required for the minor may not be taken S-N. Up to 5 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits of A or B in the minor. The GPA in these courses must be at least 2.00.

**Minor Core Curriculum**

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)
CHEM 1101 - General Chemistry I [SCI-L] (5.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (5.0 cr)

**Elective Courses**

Take 8 - 10 credit(s) from the following:

- BIOL 3121 - Molecular Biology [SCI-L] (4.0 cr)
- BIOL 3131 - Ecology [ENVT] (4.0 cr)
- BIOL 4003 *{Inactive}*(4.0 cr)
- BIOL 4006 - Integration of Metabolism and Disease (4.0 cr)
- BIOL 4103 - Cancer Biology (4.0 cr)
- BIOL 4104 - Cell Signaling Mechanisms (4.0 cr)
- BIOL 4105 *{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 4161 - Evolution (4.0 cr)
- BIOL 4172 - Plant Systematics (4.0 cr)
- BIOL 4181 - Developmental Biology (4.0 cr)
- BIOL 4182 - Ecological 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 4241 *{Inactive}*(4.0 cr)
- BIOL 4242 - Microbial Ecology (4.0 cr)
- BIOL 4301 *{Inactive}*(4.0 cr)
- BIOL 4302 - Plant Physiology (4.0 cr)
- BIOL 4312 - Genetics (4.0 cr)
- BIOL 4321 - Animal Physiology (4.0 cr)
- BIOL 4333 *{Inactive}*(4.0 cr)
- BIOL 4335 - Ecology of Agriculture (4.0 cr)
- BIOL 4351 - Conservation Biology (4.0 cr)

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Information current as of March 28, 2024

•**Other Electives**
Take 0 - 5 credit(s) from the following:
•ANTH 3704 *{Inactive}*[SCI] (4.0 cr)
•CHEM 4351 *{Inactive}*(2.0 cr)
•CHEM 4355 - Biochemistry of Carbohydrates and Glycoconjugates (4.0 cr)
•CHEM 4357 *{Inactive}*(2.0 cr)
•GEOL 3111 - Introduction to Paleontology [SCI-L] (4.0 cr)
•PSY 3201 - Comparative Psychology [SCI-L] (4.0 cr)
•PSY 3211 - Biological Psychology [SCI-L] (4.0 cr)
•STAT 4601 - Biostatistics (4.0 cr)

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