

NATURAL SCIENCE TEACHING MINOR



2017-2018 Catalog

Information Sheet

EDGEWOOD COLLEGE

This Information Sheet is for advising purposes only. Do not submit this form as a Major/Minor Declaration Form; a separate form is required to declare your major/minor.

This minor is designed for individuals seeking certification in science teaching at the Early Adolescence through Adolescence level (Ages 10-21; Grades 7-12; PI 34.29). The minor is designed to supplement a Biology or Chemistry Teaching Major to meet the PI 34 breath requirement. It may also be useful in preparing for the PRAXIS Exam 10435, which must be passed by all students seeking licensure to be eligible for certification.

Thirty-nine (39) credits in natural science to include:

Minor Requirements:

A minimum of 8 credits in Biology:

BIO 151	ESU	General Biology: Ecology, Genetics and Evolution*
OR		
BIO 181	ESU	Honors Gen. Bio.: Ecology, Genetics and Evolution*
BIO 152	S	General Biology: Cells and Molecules*
OR		
BIO 182	S	Honors General Biology: Cells and Molecules*

One Chemistry Sequence:

CHEM 110 & 111	S	Introductory Chemistry & Introductory Organic Chemistry and Biochemistry*
OR		
CHEM 120 & 121	S	General Chemistry I & General Chemistry II*

A minimum of 8 credits in Geoscience:

GEOS 102	S	Introduction to Earth Science*
GEOS 103	S	Oceans and Atmosphere*
GEOS 301	S	Weather and Climate*

A minimum of 8 credits in Physics:

PHYS 130	S	General Physics I*
AND		
PHYS 131	S	General Physics II*
PHYS 201	SU	College Physics I*
AND		
PHYS 202	S	College Physics II*
PHYS 250	V	Survey of Astronomy*

One course in Environmental Science:

BIO 250	EV	Introduction to Environmental Science
ENVS 216/ GEOS 206	EV	Environmental Geology

One course in Natural Science:

NATS 250 PV History and Philosophy of Science*

One semester of the methods of teaching science and accompanying practicum:

NATS 459 Teaching Science in Middle/Secondary Schools*

**course has prerequisites*

Students must be fully admitted to the teacher education program and have completed their science coursework before enrolling in NATS 459.

Students will also complete the WDPI content exam, PRAXIS Exam 10435, with a passing score.

Policies:

A student must maintain a cumulative grade point average of at least 2.0 in all courses taken to fulfill the minor. Any course in which a student receives a grade below "CD" will not be accepted toward the minor. Transfer students must take a minimum of 8 natural science credits at Edgewood College for a minor.