

NATURAL SCIENCE TEACHING MINOR

Declaration of Minor | 2014-2015 Catalog



EDGEWOOD COLLEGE

Name: _____ ID: _____

Minor Advisor Approval: _____ Date: _____

Department Chair Approval: _____ Date: _____

Intended Graduation Month: January August May Intended Graduation Year: _____

THIS FORM IS TO ADD/DECLARE A MINOR. IF YOU WISH TO DROP/REMOVE A PREVIOUSLY DECLARED MINOR, YOU MUST SUBMIT A SEPARATE MINOR DECLARATION DROP FORM. THIS FORM IS AVAILABLE AT REGISTRAR.EDGEWOOD.EDU.

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 breadth requirement. It may also be useful in preparing for PRAXIS Exam 10435, which must be passed by all students seeking licensure to be eligible for certification.

Thirty-two credits in natural science to include a minimum of 8 credits from each disciplinary area listed below:

Transfer credit applied (including AP/CLEP/etc):

One Biology Sequence:

Course/Institution:

- BIO 151 ESU General Biology: Cell Biology and Ecology
OR
- BIO 181 ESU Honors General Biology: Cell Biology and Ecology
- BIO 152 S General Biology: Genetics and Evolution
OR
- BIO 182 S Honors General Biology: Information Flow
In Living Systems

One Chemistry Sequence:

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

Geoscience:

- GEOS 102 S Introduction to Earth Science I*
- GEOS 103 S Oceans and Atmospheres*
- GEOS 301 S Weather and Climate*

Physics:

- PHYS 250 V Survey of Astronomy
- PHYS 130 & 131 S General Physics I & General Physics II
OR
- PHYS 201U & 202 S College Physics I & College Physics II

One course in Environmental Science:

- BIO 250 EV Environmental Biology

- ENVS 216/
GEOS 206 OR
EV Environmental Geology

One course in Natural Science:

- NATS 250 PV History and Philosophy of Science

One semester of methods of teaching science and accompanying practicum:

- NATS 459S Teaching Science in Middle/Secondary Schools

Students must be accepted into Emergent Professional Transition before being admitted to NATS 459S.

Completion of WDPI content exam, PRAXIS Exam 10435, with a passing score.

Policies:

At least 8 Natural Science credits towards the minor must be taken at Edgewood College.

CD or better in required courses.