

GENERAL SCIENCE, MINOR - TEACHING MIDDLE CHILDHOOD/ EARLY ADOLESCENCE: 120-403

In Workflow

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Approval Path

1. Mon, 01 Mar 2021 19:30:33 GMT
Sue Fondrie (fondrise): Approved for EDSTU Chair
2. Mon, 01 Mar 2021 23:18:21 GMT
Jill Prushiek (prushijt): Approved for EHS Dean PreCurrComm
3. Mon, 05 Apr 2021 23:30:51 GMT
Jill Prushiek (prushijt): Approved for EHS Dean (PIM)

Program Elimination/Suspension Proposal

Date Submitted: Mon, 01 Mar 2021 19:28:52 GMT

Viewing: 120-403 : General Science, Minor - Teaching Middle Childhood/Early Adolescence

Last edit: Mon, 05 Apr 2021 23:25:45 GMT

Changes proposed by: Sue Fondrie (fondrise)

Suspension

2022-2023

The department is suspending this minor and the social studies and language arts minors due to changes in the Department of Public Instruction licensure that expand the grade bands from 1-8 to 4K-9. A comprehensive major will replace the standard major with minors. Students in the current standard major will not be affected by the suspension of the minors, as the department has plans to accommodate those students and ensure they graduate according to their plans. Impacted A & S departments are aware of the suspension of the minors.

Program Level

Undergraduate

Program Type

Minor

Name of Program

General Science, Minor - Teaching Middle Childhood/Early Adolescence

College

Education and Human Sciences

Effective Catalog Year

2022-2023

Program Requirements (Includes Course Lists):

Program Requirements (Includes Course Lists):

| Code | Title | Credits |
|---------------------------------------|--------------------------------------|---------|
| Required of all MCEA students: | | |
| BIOL 105 or BIOL 151 | General Biology Biology of Humans | 3-4 |

AND one of the following:**4-5**

| | |
|---------------------------------------|--|
| CHEM 103 or CHEM 105 & CHEM 106 | Course CHEM 103 Not Found General Chemistry I Lecture and General Chemistry I Laboratory |
| GEOL 106 | Earth Science |
| GEOL 110 | Physical Geology |
| PHYS 100 | Physical Science |

Total: 7-8 credits (1 biological & 1 physical science lab science)

Remaining 16-17 credits must include the science area not taken from the MCEA required science courses (i.e. physical or earth/space) but is not limited to the courses listed above. MCEA science minor students should complete a course in physical, life, and earth/space sciences. Therefore, remaining credits may be taken from any of the science areas listed below. A variety of science areas is recommended to increase breadth of science knowledge.

| Code | Title | Credits |
|---|--|----------------|
| Select courses from the following: | | |
| Biology | | |
| BIOL 130 | Human Sexual Biology | 3 |
| BIOL 151 | Biology of Humans | 4 |
| BIOL 180 | Environmental Biology and Conservation ¹ | 3 |
| BIOL 181 | Environmental Biology and Conservation Lab | 1 |
| BIOL 195 | Plants and Society | 4 |
| BIOL 196 | Human Nutrition | 3 |
| BIOL 214 | Human Anatomy and Physiology I | 4 |
| BIOL 311 | General Entomology | 4 |
| Chemistry | | |
| CHEM 100 | Chemistry: Issues and Answers | 3 |
| CHEM 103 or CHEM 105 & CHEM 106 | Course CHEM 103 Not Found General Chemistry I Lecture and General Chemistry I Laboratory | 4-5 |
| CHEM 104 or CHEM 109 | Course CHEM 104 Not Found General Chemistry II with Lab | 4 |
| CHEM 115 | Chemical Principles | 6 |
| CHEM 121 | Course CHEM 121 Not Found | 1 |
| CHEM 127 | Chemistry and Climate | 3 |
| CHEM 150 | Survey of Biochemistry | 3 |
| CHEM 191 | Current Topics in Chemistry | 1-3 |
| CHEM 304 | Environmental Chemistry | 3 |
| CHEM 399 | Independent Study - Juniors | 1-3 |
| Geology | | |
| GEOL 102 | Oceanography | 3 |
| GEOL 106 | Earth Science | 4 |
| GEOL 115 | Environmental Geology | 4 |
| GEOL 122 | The Future of Global Energy | 3 |
| GEOL 201 | Geology of Our National Parks and Monuments | 2 |
| GEOL 301 | Earth Resources and Sustainability | 3 |
| GEOL 303 | Rocky Mountain Field Studies | 3 |
| GEOL 308 | Water Resources | 3 |
| GEOL 312 | Mineralogy and Petrology I | 5 |
| Geography | | |
| GEOG 104 | The Physical Environment | 4 |
| GEOG 178 | Conservation of the Environment ¹ | 3 |
| GEOG 304 | Introduction to Geomorphology | 4 |
| GEOG 340 | Climatology | 3 |
| GEOG 361 | Environmental Hazards | 3 |
| Physics | | |
| PHYS 100 | Physical Science | 4 |
| PHYS 115 | Survey of Astronomy | 3 |
| PHYS 205 | Physics of Renewable Energy | 4 |

| | | |
|------------------------------------|--|-----|
| PHYS 211 | General Physics | 5 |
| PHYS 212 | General Physics | 4 |
| PHYS 226 | Astronomy-Solar System | 4 |
| PHYS 229 | Astronomy-Stars and Galaxies | 4 |
| PHYS 308 | Science of Musical Sound | 3 |
| PHYS 315 | The Mysterious Universe | 3 |
| Environmental Public Health | | |
| ENPH 110 | Introduction to Environmental Health | 3 |
| ENPH 150 | Disease Detectives: Epidemics and Data | 3 |
| Environmental Studies | | |
| ENV 101 | Sustainability Basics and Beyond | 4 |
| ENV 140 | Water Problems, Water Solutions | 3 |
| ENV 291 | Special Topics - Environmental Studies | 1-3 |

¹ Only one of GEOG 178 or BIOL 180 may be included in the minor.

This minor is restricted to students in the College of Education and Human Sciences: Education Studies: Option A, majoring in elementary education and leads to licensure to teach General Science in Middle Childhood through Early Adolescence classrooms.

Additional Program Requirements (If Applicable)

Additional Admission Requirements Unique to Program (If Applicable)

Other Catalog Notes/Restrictions (If Applicable)

Key: 212