

SCIENCE EDUCATION MINOR (M)

In physical sciences, you can help your students understand physics and chemistry so they can explore their role in the progress of humankind. You will be able to explain to others the study of matter, energy, and chemical interactions to inspire the use of technology and innovation for good. In life sciences, you will be able to teach about plants, animals, and human beings so students can understand the relationship between the spiritual and physical world and body. You will receive instruction in apologetics and faith integration with a nurturing and experienced faculty and will be able to lead discussions on how empirical knowledge and ideological beliefs interact. You will learn about using technology and science concepts in the classroom. The Science Education Minor includes 18-20 credits and the STEM concentration includes 12 credits.

Curriculum- Minor

| Code | Title | Hours |
|---|---|--------------|
| Required Courses | | |
| MATH 313 | Math in the Middle School | 3 |
| Minor Electives | | |
| <i>Choose 4 courses to complete minor; must include at least one life and 15-16 at least one physical science course.</i> | | |
| BIO 141 | General Biology I | |
| BIO 142 | General Biology II | |
| BIO 146 | Essentials of Anatomy and Physiology (w/ lab) | |
| BIO 156 | Environmental Science (w/ lab) | |
| BIO 240 | Zoology | |
| BIO 244 | Botany | |
| BIO 260 | Biology of Microorganisms | |
| BIO 410 | Ecology | |
| CHEM 105 | Elements of General and Biological Chemistry (w/ lab) | |
| PHYS 108 | Introductory Astronomy | |
| PHYS 151 | General Physics I | |
| SCI 195 | Meteorology | |
| SCI 246 | Oceanography | |
| SCI 275 | Cosmogony | |
| SCI 235 | Earth Science (w/ lab) | |
| Other approved course | | |
| Total Hours | | 18-19 |

Curriculum- Concentration

STEM Concentration

| Code | Title | Hours |
|--|---------------------------|-----------|
| MATH 313 | Math in the Middle School | 3 |
| Electives – May not be used to meet the CUW Core requirements. | | |
| Select three courses with a BIO, CHEM, CSC, ENV, MATH, PHYS, or SCI prefix or ED 3356 STEM: Math in EC (2 cr) and ED 3357 STEM: Science in EC (2 cr). At least one course must be a science course with a lab. | | |
| Total Hours | | 12 |