

# Minor in Biology Education

59-60 credits

## Biology - Secondary Education Minor Requirements

Code	Title	Hours
BIOL 1610 & BIOL 1615	Principles of Biology I (LS) and Principles of Biology I Lab (LAB)	5
BIOL 1620 & BIOL 1625	Principles of Biology II and Principles of Biology II Lab	5
BIOL 2060 & BIOL 2065	Principles of Microbiology and Principles of Microbiology Lab	4
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5
BIOL 2400 & BIOL 2405	Plant Kingdom (LS) and Plant Kingdom Lab (LAB)	4
BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
BIOL 3010	Evolution	3
BIOL 3030	Principles of Genetics	4
BIOL 3040 & BIOL 3045	General Ecology and General Ecology Lab	4
SCI 2600	Lab Safety for Teachers	1
SCI 4700	Secondary Science Teaching Methods	3

## Chemistry Requirement

Code	Title	Hours
CHEM 1010 & CHEM 1015	Introduction to Chemistry (PS) and Intro to Chemistry Lab	4
CHEM 1110 & CHEM 1115	Elementary General/Organic Chemistry (PS) and Elem General/Organic Chemistry Lab (LAB)	5
CHEM 1210 & CHEM 1215	Principles of Chemistry I (PS) and Principles of Chemistry I Lab (LAB)	5

## Zoology Requirement

Complete one (1) of the following course sets:

BIOL 3200 & BIOL 3205	Invertebrate Zoology and Invertebrate Zoology Lab	4
BIOL 4260 & BIOL 4265	Herpetology and Herpetology Lab	3
BIOL 4270 & BIOL 4275	Ichthyology and Ichthyology Lab	3
BIOL 4280	Marine Biology	3
BIOL 4380 & BIOL 4385	Ornithology and Ornithology Lab	3
BIOL 4411 & BIOL 4415	Mammalogy and Mammalogy Lab	4
BIOL 4440 & BIOL 4445	General Entomology and General Entomology Lab	4

## Completion Requirement

- Complete all courses that fulfill requirements in the minor with a grade C or higher.

## **Licensure Requirement**

- Students are required to pass the appropriate PRAXIS II Content Knowledge Test(s). Students completing an education minor must either have an existing teaching license or be enrolled in an education major program (elementary or secondary) in order to be eligible for licensure in the subject area.

## **Notes**

An academic minor is an attribute of a baccalaureate degree, not an entity by itself, and can only be awarded at the same time a student graduates with a bachelor's degree. Students must declare a minor prior to submitting a graduation application. A minor may not be added to a previously awarded degree. Students must complete the minor requirements prior to or concurrent with completion of their bachelor's degree requirements. Minors are not available with associate's degrees.

Students may not declare a minor that is in the same discipline as their major. Example: English majors cannot declare any English minor.

Integrated Studies majors may not have an academic minor in the same discipline as either of their two declared emphases. Example: An Integrated Studies major with emphases in English and Spanish cannot receive a minor in either English or Spanish.