

BIOLOGY CERTIFICATE (M)

The student pursuing a Biology Certificate will demonstrate an understanding of and an ability to explain foundational biological concepts in the areas of molecular, cellular, and organismal biology, genetics, and ecology. They will also demonstrate the ability to appropriately collect and analyze biological and environmental data while utilizing laboratory equipment and procedures safely and effectively.

Student Learning Outcomes for the Biology Certificate

Students will:

- Demonstrate an understanding of and an ability to explain foundational biological concepts in the areas of molecular, cellular, and organismal biology, genetics, and ecology.
- Demonstrate the ability to appropriately collect and analyze biological and environmental data while utilizing laboratory equipment and procedures safely and effectively
- Demonstrate an understanding of how/why a Christian sees evidence of God's design in nature and how to be good stewards of His creation
- Develop investigative and critical thinking skills to explore biological questions by gathering, interpreting, and communicating biological and environmental data

Curriculum

Code	Title	Hours
Required Courses		
BIO 1401	General Biology I	4
BIO 1402	General Biology II	4
ENV 1800	Environmental Science	4
BIO 3400	Genetics	4
Total Hours		16