

# ENVIRONMENTAL STUDIES CERTIFICATE (M)

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While pursuing a certificate in Environmental Studies the student 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 and appropriately collect and analyze biological and environmental data while utilizing laboratory equipment and procedures safely and effectively. The student will also 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.

They will develop investigative and critical thinking skills to explore biological questions by gathering, interpreting, and communicating biological and environmental data.

## Student Learning Outcomes for the Environmental Studies Certificate

- The student 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.
- The student will demonstrate the ability to appropriately collect and analyze biological and environmental data while utilizing laboratory equipment and procedures safely and effectively
- The student will 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
- The student will develop investigative and critical thinking skills to explore biological questions by gathering, interpreting, and communicating biological and environmental data

## Curriculum

Code	Title	Hours
<b>Required Courses</b>		
BIO 1401	General Biology I	4
BIO 1402	General Biology II	4
BIO 2500	Zoology	4
ENV 1800	Environmental Science	4
<b>Total Hours</b>		<b>16</b>