

# BIOLOGY - ASSOCIATE OF SCIENCE DEGREE (AS)

Explore More About This Program: <https://cwi.edu/program/biology>

## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Know evolution, biology's core theme, as a pattern and a process and understand relationships that characterize the diversity of life. (*Addresses V&C Concepts 1*)
- Know and apply the concepts of structure and function; information flow, exchange, and storage; and pathways and transformations of energy and matter. (*Addresses V&C Concepts 2, 3, 4*)
- Apply the scientific method, quantitative reasoning, and modeling to analyze and evaluate problems in biology. (*Addresses V&C Competencies 1, 2, 3*)
- Recognize the interdisciplinary nature of science, communicate and collaborate with others, and understand the relationship between biology and critical issues affecting human populations. (*Addresses V&C Competencies 4, 5, 6*)

*(Outcomes map to Vision and Change [V&C] Core Concepts published by the National Science Foundation and the American Association for the Advancement of Science 2011.)*

NOTE: These outcomes apply to all students graduating with a Biology degree. Degrees with a specific emphasis may have additional and/or specialized outcomes.