

BIOLOGY - MICROBIOLOGICAL, MOLECULAR, AND BIOMEDICAL SCIENCES - 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 microbial organisms. *(Addresses V&C Con 1)*
- Know and apply the concepts of structure and function; information flow, exchange, and storage; and pathways and transformations of energy and matter in microbial organisms. *(Addresses V&C Con 2, 3, 4)*
- Apply the scientific method, quantitative reasoning, and modeling to analyze and evaluate problems in microbiology. *(Addresses V&C Comp 1, 2, 3)*
- Recognize the interdisciplinary nature of science, communicate and collaborate with others, and understand the relationship between microbiology and critical issues affecting human populations. *(Addresses V&C Comp 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 Biological Sciences degree. Specific degrees may have additional and/or specialized outcomes.