

## Biology Learning Outcomes

Biology B.S.

**The Department of Biology aims to meet the student learning objectives listed below:**

1. Provide students with a knowledge of biological principles so they may be able to understand these principles and their inter-relatedness within the context of current biological thinking.
2. Recognize and prepare students for graduate work and research careers in the biological science.
3. Recognize and prepare students for careers in medicine, dentistry, pharmacy, health and allied health professions and teaching.
4. Provide the education of students who major in biology, but desire to teach in secondary schools.
5. Provide students with opportunities and experiences that may enable them to develop competency in oral and written communications of biological information using an acceptable scientific format.
6. Provide knowledge and experiences in the biological sciences as a foundation for students who are pursuing other science majors.

**Additional student learning outcomes for students earning a Bachelor of Science in Science Education Life Science Option are the following:**

1. Students will demonstrate central concepts and current theories in Life Science through knowledge, understanding and application. AR B/LS 1.2, 1.4, 1.7, 1.10
2. The student learner will demonstrate the principles of life sciences and incorporate crosscutting concepts through knowledge, understanding and application. AR B/LS 7.5, 7.6, 7.7, 14.1, 14.2, 14.3, 14.4, 14.5
3. The student learner will incorporate science and engineering practicing and incorporate the history and nature of science through knowledge, understanding and application of life science. AR B/LS 8.1
4. The student learner will incorporate mathematical skills and concepts related to physical science and disciplinary literacy science through knowledge, understanding and application of life science. AR B/LS 9.7, 12.1