



**College of Sciences
Academic Learning Compacts**

Biology, B.S.

Discipline Specific Knowledge, Skills, Behavior and Values

1. BS Biology graduates will have attained a broad-based knowledge of Biology that compares favorably to their peers at a national level.
2. BS Biology graduates will have attained a well founded knowledge of Cell Biology that compares favorably to their peers at a national level.
3. BS Biology graduates will have attained a well founded knowledge of Molecular Biology and Genetics that compares favorably to their peers at a national level.
4. BS Biology graduates will have attained a well founded knowledge of Organismal Biology that compares favorably to their peers at a national level.
5. BS Biology graduates will have attained a well founded knowledge of Population Biology/Evolution/Ecology that compares favorably to their peers at a national level.

Critical Thinking

6. BS Biology graduates in biology will be able to review biological literature, collect and analyze data, and present the data orally or in written form to the student's faculty mentor.
7. BS Biology graduates in biology will be able to conduct laboratory or field research.

Communication

8. Students graduating with a Bachelors degree in Biology will be fluent in the language of science and able to understand and review scientific literature.

Assessment of Biology, B.S. Outcomes

These outcomes will be assessed using a variety of assessment methods, including:

- Research projects
- Lab reports
- Tests/exams
- Oral and written presentations