



BIOLOGICAL SCIENCES

Area F Learning Outcomes

1. Biology majors will demonstrate knowledge and application of the introductory principles of cellular biology, genetics, ecology, organismal biology, and evolution.
2. Biology majors will demonstrate competence in scientific reasoning by using quantitative and qualitative skills to critically analyze data and evaluate biological phenomena.

Area F Guidelines

Eighteen (18) hours of lower-division (1000- or 2000-level) courses. The courses include those which are prerequisite to higher level major courses and those related to the disciplines within the biological sciences. Science courses which do not serve as prerequisites for subsequent courses may be taken in part or in total in Area D.

Area F for Biological Sciences majors may be configured as follows:

| Required: | Hours |
|--|-----------------|
| Principles of Biology I and II (with lab) | 0-8 hours |
| Principles of Chemistry I and II (with lab) | 0-8 hours |
| Additional Course Work: Lower division science courses for majors chosen from biology, organic chemistry, general physics, and geology; mathematics not taken as part of areas A or D, computer science, foreign language. | 2-18 hours |
| Total | 18 hours |