SCIENCE, B.S. (BERKS)

Begin Campus: Any Penn State Campus
End Campus: Berks

Program Learning Objectives

- Biology Concepts: Students will demonstrate a thorough understanding of biological concepts including cellular organization, genetics, ecology, and physiology.
- Chemistry Knowledge: Students will demonstrate a thorough understanding of general and organic chemistry.
- Communication: Students will disseminate scientific findings via oral and written communication.
- Data Analysis: Students will demonstrate ability to retrieve and analyze scientific data.
- Ethics: Students will apply ethical principles to specific areas of scientific research and scientifically important applications with sociological consequences such as clinical trials, animal testing, and environmental concerns.
- Laboratory Skills: Students will demonstrate appropriate laboratory skills including scientific technique, maintenance of a laboratory notebook, writing laboratory reports, and adhering to all safety procedures.
- Scientific Concepts: Students will demonstrate specific understanding of fundamental scientific concepts including, but not limited to, experimental results, theory development, chemical reactions, physical processes, and cellular function.
- Scientific Literature: Students will be able to comprehend and critically interpret primary scientific literature.