

SCIENCE, B.S. (BERKS)

Begin Campus: Any Penn State Campus

End Campus: Berks

Program Learning Objectives

1. 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.
2. Students will demonstrate a thorough understanding of general and organic chemistry.
3. Students will demonstrate a thorough understanding of biological concepts including cellular organization, genetics, ecology, and physiology.
4. Students will demonstrate ability to retrieve and analyze scientific data.
5. Students will be able to comprehend and critically interpret primary scientific literature.
6. Students will disseminate scientific findings via oral and written communication.
7. 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.
8. Students will demonstrate appropriate laboratory skills including scientific technique, maintenance of a laboratory notebook, writing laboratory reports, and adhering to all safety procedures.