SCIENCE, B.S. (BERKS)

Begin Campus: Any Penn State Campus

End Campus: Berks

Program Learning Objectives

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