

MATHEMATICS, B.S. (ALTOONA)

Begin Campus: Any Penn State Campus

End Campus: Altoona

Program Learning Objectives

- Students should be able to demonstrate a strong understanding of the core concepts of differential and integral calculus, elementary linear algebra, and differential equations, and to use these concepts to describe physical problems mathematically.
- Students should develop an understanding of mathematical proof techniques, and demonstrate skill in the effective communication of mathematical concepts and proofs, especially in written form.
- Students should demonstrate an understanding of advanced mathematical concepts and their use to solve problems both from within mathematics and from applied areas.
- Graduating students should be prepared to cope with the mathematical challenges they meet in continuing their mathematical education or at the workplace.