

Program-Level Student Learning Outcomes: B.S. in Education – Chemistry

- You will be prepared for employment as a high school chemistry teacher, in a chemistry-related industry, or for entry into graduate or professional school.
- Upon graduation, you will be certified to teach chemistry in the Commonwealth of Pennsylvania and you will be prepared to seek certification in other states, if desired.
- You will be skilled in modern pedagogical techniques, enabling you to teach effectively at the high school level upon graduation.
- Through coursework, in-school experiences, and mentoring from a current chemistry teacher, you will be prepared to interact effectively with students and other school personnel.
- You will be able to analyze data and make scientific arguments to apply, analyze and synthesize information from multiple sub-disciplines within chemistry.
- You will have acquired effective and safe chemistry laboratory skills, and be able to use the methods and instrumentation of modern chemistry.

The B.S. in Education – Chemistry degree is designed to prepare you for a career as a high school chemistry teacher. While the standard degree is not certified by the American Chemical Society, students may obtain a certified degree by taking a set of specific electives. The balanced combination of education and chemistry courses will provide the student with excellent skills in both chemistry itself and in the teaching of chemistry.