

# CHEMISTRY, B.S. (SCIENCE)

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**Begin Campus:** Any Penn State Campus

**End Campus:** University Park

## Program Learning Objectives

1. Students will acquire a foundation in chemistry of sufficient breadth and depth to integrate and apply knowledge across chemical subdisciplines.
2. Students will develop analytical reasoning and problem solving skills required for the pursuit of scientific research.
3. Students will retrieve, read, and incorporate information from the chemical literature in various media forms.
4. Students will demonstrate the necessary laboratory skills to design and safely conduct experiments and to accurately document and interpret experimental data.
5. Students will develop the ability to communicate scientific information in written and oral form using an appropriate scientific style.
6. Students will conduct themselves in a professional, ethical, and productive manner when working independently or in a team setting.
7. Students will recognize the interdisciplinary nature of chemistry and its impact on society and the environment.
8. Students will explore traditional and nontraditional career paths in chemistry and related fields.