

PLANETARY SCIENCE AND ASTRONOMY, B.S.

Seven Penn State campuses are scheduled for closure after Spring 2027: DuBois, Fayette, New Kensington, Mont Alto, Shenango, Wilkes-Barre, and York. New students are not being admitted at these campuses.

Begin Campus: Any Penn State Campus

End Campus: University Park

Program Learning Objectives

- Accurately apply mathematical tools to real physical problems.
- Describe how the techniques and principles from biology, chemistry, physics, geoscience, and meteorology are used to study planets and planetary systems.
- Explain the physical meaning of mathematical expressions and operations used in quantitative problem solving.
- Clearly communicate both technical and descriptive content while following the conventions of scientific writing.
- Distinguish between scientific theories and other kinds of (non-scientific) explanations.
- Collect and analyze real astronomical data.
- Give clear oral presentations of technical material.
- Set up and use a small telescope for night sky observing in an education or outreach setting with non-experts.