

B.S. in Astronomy

Housed in the Department of Physics and Astronomy within the College of Arts and Sciences, the B.S. in Astronomy allows students to engage in hands-on experiences with instruments that unveil the secrets of the skies.

Embry-Riddle's Prescott, Arizona, campus is located in one of the world's densest concentrations of certified dark-sky communities, with more than 275 clear nights each year for observation and research. Its high-altitude location, elevation, and favorable weather provide excellent viewing conditions and allow students to take full advantage of on-campus equipment to explore the night sky.

The campus is home to the mile-high Prescott Observatory Complex, featuring facilities that include 20-inch and 16-inch optical telescopes, as well as optical and radio observatories.

As one of only a handful of Astronomy degree programs in the Western United States, the program offers immersive undergraduate research opportunities, where students work directly with faculty on projects funded by NASA, the National Science Foundation, and the Space Telescope Science Institute. Faculty frequently analyze data from advanced facilities such as the James Webb Space Telescope and X-ray satellites, including those used in the X-Ray Imaging and Spectroscopy Mission (XRISM).