

B.S. in Astronomy and Astrophysics

The Bachelor of Science in Astronomy and Astrophysics provides a strong foundation in astronomy and physics, preparing you for a wide range of careers in space science. Through a combination of theoretical coursework and hands-on laboratory experiences, you will develop the skills needed to explore and analyze the universe effectively.

As an Embry-Riddle student, you will also benefit from connections to prestigious research initiatives, including the Hubble Space Telescope, the Kepler Mission, the Transiting Exoplanet Survey Satellite (TESS), and the James Webb Space Telescope. These opportunities offer invaluable, real-world research experience that enhances your academic journey.

At the **Daytona Beach Campus**, the Bachelor of Science in Astronomy and Astrophysics builds students' foundation in mathematics and physics while providing opportunities to establish themselves in the field. Housed in the Department of Physical Sciences within the College of Arts & Sciences, students have the opportunity to engage with the Southeastern Association for Research in Astronomy (SARA). This collaboration provides students with nearly constant access to telescopes that can observe about 90% of the night sky.

In this program, students will work in advanced facilities, including a one-meter telescope, the largest research telescope at a university in the southeastern U.S. Students will also have access to state-of-the-art labs, such as the Laboratory for Exosphere and Near Space Environment Studies (LENSES). The resources available in this program ensure students are well-prepared for careers or further education in fields like space exploration and planetary science.