

B.S. in Engineering Physics

The B.S. in Engineering Physics provides students with the combined knowledge and skills of scientists and engineers. Students focus on scientific challenges and mission design related to space exploration, with a strong emphasis on engineering fundamentals.

On the **Daytona Beach Campus**, students have the opportunity to dive into everything from atmospheric physics to spacecraft control systems, learning how to design sensors and instruments that help unlock the mysteries of space.

The program includes access to the Engineering Physics Design Lab, which features high-processing engineering graphics workstations and state-of-the-art software. Additionally, the Atmospheric Physics Research Laboratory provides equipment for testing instruments and sensors in a chamber that closely replicates the vacuum of the space environment. The Bachelor of Science in Engineering Physics is accredited by the Engineering Accreditation Commission (<https://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-engineering-programs-2025-2026/>) of ABET (<https://www.abet.org/>), under the commission's General Criteria and Program Criteria for Engineering, General Engineering, Engineering Physics, Engineering Science, and similarly named engineering programs.

Embry-Riddle also offers an accelerated degree program that allows students to complete both the bachelor's and master's degrees in Engineering Physics in five years.