

B.S. in Computer Engineering

The B.S. in Computer Engineering will give students access to knowledge and expertise in a vast array of aviation, aerospace and industry areas, as well as project opportunities through professional organizations such as the Institute for Electrical and Electronics Engineers (IEEE) and the Association of Uncrewed Vehicle Systems International (AUVSI).

Computer Engineering is offered at Embry-Riddle campuses in Daytona Beach and Prescott, providing students with a comprehensive education that combines computer hardware and software design. Students develop practical skills with modern technologies and are prepared for careers in fields like robotics, aerospace systems and advanced computing, with both campuses focusing on innovation, problem-solving and real-world engineering experience.

At the **Daytona Beach Campus**, students will work with and develop embedded, real-time computer systems, like those that lie at the heart of everything from mobile phones to spacecraft. Housed in the Electrical Engineering and Computer Science Department of the College of Engineering, students will benefit from a wide range of analog and digital hardware development tools and resources.

The **Prescott Campus** applies Embry-Riddle's traditional strengths in computer science and engineering with hands-on design projects. Students will benefit from world-class facilities while studying digital hardware and software applications, including avionics systems, cloud computing, computer vision and cyber-physical systems. The Bachelor of Science in Computer Engineering is housed in the Department of Computer, Electrical and Software Engineering in the College of Engineering and covers everything from analog and digital hardware to computer programming and circuit theory.

The Computer Engineering program is accredited by the Engineering Accreditation Commission of ABET, www.abet.org (<http://www.abet.org/>), under the General Criteria and the Electrical, Computer, Communications, Telecommunication(s) and Similarly Named Engineering Programs Program Criteria.