

ROBOTICS ENGINEERING (BS)

Program Overview

Robotics Engineering degree is a four-year course of study leading to exciting careers and/or advanced studies in robotics and automation. The robotics engineering faculty are dedicated to undergraduate and graduate teaching and to working closely with students at all levels of their study. The program equips students with the practical skills of an engineer combined with the fundamental knowledge and understanding gained through the study of physics. The program allows for a focus on the hardware, modeling and programming all of which are the integral components of robotics.

The application of robotics is a "multi-craft" activity in that it is the blending of multiple disciplines including computer engineering, mechanical engineering, and electrical engineering. A roboticist engages in the design, construction, and programming of robotic systems, including wheeled mobile robots, drones (unmanned aerial systems), autonomous marine vehicles, space systems, and industrial robot manipulators.

Career Opportunities

Students graduating with a Bachelor's degree in Robotics Engineering typically work in the robotics and automation industry or continue their studies in graduate school, or enter the armed services.