ENR103 : Introduction to Robotics

Students work in teams to design, build, program, and test increasingly complex electro-mechanical robots. The course teaches how robots move (locomotion and kinematics), how they sense (perception), and how they reason about their environment (planning). Students are exposed to robotics related career options in the manufacturing, service, and medical industries. Labs consist of extensive hands-on use of autonomous and industrial collaborative robots. This course does not require any prior engineering background. (3 class hours/2 laboratory hours).

Credits 4

Prerequisites

MAT035: Algebra for Non-STEM or MAT041: Elementary Algebra for STEM and ENL108: Critical Reading & Thinking or ESL201: English for Speakers of Other Languages III: Advanced or satisfactory basic skills assessment scores

Semester Offered

Fall

Spring

Notes

Satisfies a General Education elective.