

# ROBOTICS (UNDERGRADUATE CERTIFICATE)

---

## Program Overview

The Robotics certificate is an 8-9 course, twenty-six credit program open to all majors and to non-degree students. This is a stand-alone certificate that does not require a student to be enrolled in a degree program at CSU. The program is designed to instruct students on the design, construction, and programming of robotic and automated systems.

## Program of Study

Code	Title	Credit Hours
ENGR 1701	Introduction to Robotics	1
Choose one of the following physics lecture/lab combinations:		4
PHYS 1111/1311 Introductory Physics I Lecture and Lab		
PHYS 2211/2311 Principles of Physics I Lecture and Lab		
CPSC 1301K	Computer Science I	4
ENGR 2206	Digital Logic	4
ENGR 2217	Robotics Engineering Design	4
ENGR 2235	Basic Electric Circuits	3
ENGR 2255	Engineering Graphics and Computer Aided Design	3
ENGR 3250	Principles of Sensors and Actuators	3
<b>Total Credit Hours</b>		<b>26</b>