

ROBOTICS GRADUATE MAJOR (MENG, MS, PHD)

Graduate Areas of Concentration

Assistive robots, autonomous robots, human-robot interaction, legged locomotion, manipulation, mobile robots, multi-robot coordination

The interdisciplinary robotics program offers Master of Engineering (MEng), Master of Science (MS) and Doctor of Philosophy (PhD) degrees in Robotics.

MS degree candidates may pursue thesis or nonthesis options. A coursework-only MEng degree may only be pursued with special permission from a Robotics faculty member. The PhD program prepares students for careers in industry, research laboratories or universities. Students are encouraged to develop programs of study in close cooperation with the faculty members in their areas of interest.

The program includes core areas of robotics, including actuation, locomotion, manipulation, dynamics, control, sensing, artificial intelligence, and human/robot interactions.

Additional information concerning courses, advising procedures, faculty, and many other aspects of the program may be found in the programs' website (<https://engineering.oregonstate.edu/robotics/>).

Major Code: 3250

Code	Title	Credits
Core Curriculum		
Coursework for all degrees in Robotics (including minors) must comprise the following 16 credits:		
ME 531	LINEAR MULTIVARIABLE CONTROL SYSTEMS I	4
or ME 533	NONLINEAR DYNAMIC ANALYSIS	
ROB 514	INTRODUCTION TO ROBOTICS	4
ROB 521	RESEARCH ROBOTICS	4
ROB 537	LEARNING-BASED CONTROL	4
or ROB 534	SEQUENTIAL DECISION MAKING IN ROBOTICS	
Total Hours for MEng/MS		45
Total Hours for PhD		108

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