

# Robotics Engineering Minor

The flowchart for the minor is shown below.

**Programming** ME 2543 or IE 2060 or CSC 1253 or CSC 351 or ECE 2176. One of these courses is required for each Engineering major, except for BE.

**Linear algebra** MATH 2070 or MATH 2085 or MATH 2096. One of these courses is required for each Engineering major, except for BE.

Introduction to Robotics: Offered only in the fall semester.

Capstone Design: Engineering students from academic units with Capstone Design are strongly encouraged to select a robotics-related project.

Table 1: List of Core Courses

ME 3133 Dynamics or CE 2460 Dynamics and Vibrations
ME 4183 Theory/Design Mechanical Control Systems, EE 3530 Intro Control Engineering
CHE 4198 Process Dynamics & Control
ME 4673 Intro Modern Control Theory
ME 4683 Sensors & Actuators
ME 4193 Vehicle Dynamics
EE 3752 Microprocessor Systems
EE 4003 Intro Programmable Logic Control
EE 4750 Microprocessor Interfacing Techniques
EE 4780 Intro Computer Vision
EE 4730 3D Graphical and Geometric Modeling
EE 4160 Algorithms and Implementation for Digital Signal

Table 2: List of