

# ME 5421: Introduction to Robotics

Basic principles of robotics; kinematic and dynamic concepts; actuators, sensors and practical issues; forward and inverse kinematics and dynamics of simple robotic arms; kinematics and dynamics of wheeled robots; alternative locomotion for mobile robots.

**Credits:** 3

**Prerequisites:**

MAT 2705

ME 2101 and MAT 2705

**Co-Requisites:**

**Program:** [Mechanical Engineering](#)