**MSc Robotics Courses**

Students may use [NUSMODS](#) to search for courses descriptions.

### Core Modules

- ME5421  Robot Kinematics (2 Units)
- ME5409  Robot Dynamics and Control (2 Units)
- ME5410  Materials, Sensors, Actuators & Fabrication in Robotics (4 Units)
- ME5411  Robot Vision and AI (4 Units)
- ME5400A Robotics Project 1 (4 Units)

### Elective Courses

- ME5400B Robotics Project 2 (4 Units)
- ME5412  Robotics for Healthcare (4 Units)
- ME5413  Autonomous Mobile Robotics (4 Units)
- ME5414  Optimization Techniques for Dynamic Systems (4 Units)
- ME5415  Advanced Soft Robotics (4 Units)
- ME5416  Mathematics for Robotics Engineering (4 Units)
- ME5418  Machine Learning in Robotics (4 Units)
- ME5419  Probabilistic Robotics for Manipulation (4 Units)
- ME5420  Advance Robot Mechanics and Control (4 Units)
- EE5112  Human-Robot Interaction (4 Units)
- EE5113  Robot Perception (4 Units)
- EE5114  Autonomous Robot Navigation (4 Units)
- EE5115  Social Robotics (4 Units)
- BN5211  Medical Robotics (4 Units)
- CS5446  AI Planning and Decision Making (4 Units)

*(Not all courses listed above are necessarily available in any one year.)*