

Master of Science (MSc) in Robotics

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

Core Courses

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)
ME5423	Topics in Robotics (4 Units)
ME6401	Topics in Mechatronics 1 (4 Units)
EE5112	Human-Robot Interaction (4 Units)
EE5114	Autonomous Robot Navigation (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.)