

Schedule of Course Offerings — Master’s in Intelligent Robotic Systems

Term	Course number	Course name	Required or elective	Prerequisites
Fall I	MTRE 6100	Advanced Robot Programming	required	<i>none</i>
	MTRE 6740	Soft Robotics	required	<i>none</i>
Fall II	CS 7267	Machine Learning	required	MTRE 6100
	MTRE 6300	Robot Simulation, Communications, and ROS	required	MTRE 6100
Spring I	MTRE 6000	Fundamentals of Control Systems	required	<i>none</i>
	MTRE 6100	Advanced Robot Programming	required	<i>none</i>
	MTRE 6720	Digital Manufacturing and Robotic Automation	required	<i>none</i>
Spring II	CS 7367	Machine Vision	required	MTRE 6100
	MTRE 6400	Perception, Navigation, and Path Planning of Mobile Robots	required	MTRE 6000 and 6100
Summer	MTRE 6200	Modeling and Control of Robotic Manipulators	required	MTRE 6000 and 6100
	MTRE 6710	Manipulation of 3D Point Cloud Data	elective	<i>none</i>
	MTRE 6750	Ethics in Robots	elective	<i>none</i>
<i>Any</i>	MTRE 6398	Internship in Robotic Systems	elective	agreement with dept. chair
	MTRE 6800	Master’s Project	elective	agreement with faculty

Note:

- CS 7267 and 7367 are also available in fall and spring 15-week semesters, and possibly the summer. The two entries above are just for when those CS courses are offered in 7-week online sections.