



Robotics Engineering Program Tracking Sheet

Specific courses listed below are given as examples only. Alternatives exist for all requirements, including equivalent courses, independent study/project work, experimental courses, and graduate courses.

Institute Requirements (4 units)

Humanities and Arts (2 units) <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> Inquiry Seminar/Practicum	IQP (1 unit) <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ Social Sciences (2/3* units) <input type="checkbox"/> _____ <input type="checkbox"/> _____	Physical Education (1/3 unit) <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
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Program Requirements (10 units)

Mathematics (7/3 units) <input type="checkbox"/> MA 1021 (Calc 1) <input type="checkbox"/> MA 1022 (Calc 2) <input type="checkbox"/> MA 1023 (Calc 3) <input type="checkbox"/> MA 1024 (Calc 4) <input type="checkbox"/> MA 2051 (Diff Eqs) <input type="checkbox"/> MA 2071 (Lin Alg) <input type="checkbox"/> MA 2621 (Probability)	Basic Science (4/3 units) Physics (2/3 units) <input type="checkbox"/> PH1110/1111 (Mechanics) <input type="checkbox"/> PH 1120/1121 (E & M) Other Science (2/3 units) <input type="checkbox"/> BB/CH/GE/PH <input type="checkbox"/> BB/CH/GE/PH	Entrepreneurship (1/3 unit) <input type="checkbox"/> ETR 3910 or other
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Engineering Science and Design (6* units)

Robotics Engineering (5/3 units) <input type="checkbox"/> RBE 1001 [†] (Intro Robotics) <input type="checkbox"/> RBE 2001 (Unified Rob'tics 1) <input type="checkbox"/> RBE 2002 (Unified Rob'tics 2) <input type="checkbox"/> RBE 3001 (Unified Rob'tics 3) <input type="checkbox"/> RBE 3002 (Unified Rob'tics 4) MQP (1 unit) <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	Computer Science (1 unit) <input type="checkbox"/> CS 1101/1102 (Intro Pg Des) <input type="checkbox"/> CS 2102 (Object Oriented) <input type="checkbox"/> CS 3733 (Software Eng) ECE (2/3 units) <input type="checkbox"/> ECE 2022 (Digital Circuits) <input type="checkbox"/> ECE 2801 (Embedded Sys) Social Implications (1/3* unit) <input type="checkbox"/> CS 3043/GOV2302/STS 2208 <input type="checkbox"/> GOV/ID 2314 Free Electives (1 unit) <input type="checkbox"/> _____	Engineering Science (2/3 units) <input type="checkbox"/> ES 2501 (Statics) <input type="checkbox"/> ES 3011 (Controls) RBE Electives (1 unit) Advanced Systems (1/3 unit) <input type="checkbox"/> CS 4341/ECE 3308/ME 3310 Other RBE Electives (2/3 units) <input type="checkbox"/> _____ <input type="checkbox"/> _____
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* Engineering Science and Design totals 6 units if GOV 2302, GOV/ID 2314, or STS 2208 are double counted as meeting the Social Science Requirement and the Engineering Science Requirement.

[†] Students entering with a strong robotics background should substitute a more advanced RBE course.