

Course Planning Specifics: Robotics Engineering

Students considering Robotics Engineering as a major should make sure that by the end of the first year, that they have completed the calculus sequence (MA 1021-1024), two terms of physics (PH 1110/1111 and PH 1120/1121) and several HUA courses. This can be through a combination of AP or transfer credit, as well as WPI courses. So, if you received AP credit for courses early in the sequence, you can start at the next course in the sequence. [Click here](#) for the degree requirements for Robotics Engineering.

RBE majors should plan to take Introduction to Robotics, RBE 1001, during the first year, typically during C or D term. Students who have not taken Introduction to Program Design, CS 1101, should consider taking it in C term. For those students who are sure of their major being Robotics, we encourage you to take RBE 1001 during C or D term.

Potential Robotics Engineering majors who have specific questions regarding the program and distribution requirements are welcome to contact the RBE Office at rbe@wpi.edu or 508-831-6665.

***Please note: Students who took Math, CS 1101, Physics, and RBE 1001 in A/B terms, can consider taking courses such as Humanities, Math, CS 2102, ECE 2029, ES 2501, and Social Science. (See second example)**

Examples of typical course schedules

<u>C term</u>	<u>D term</u>
PH 1110/1111	PH 1120/1121
MA or CS1101/1102	MA or RBE 1001
GPS/HU/SS	GPS/HU/SS
PE (optional)	PE (optional)

<u>C term</u>	<u>D term</u>
MA	MA
ES 2501 or ECE 2029	CS 2102 or ECE 2029
GPS/HU/SS	GPS/HU/SS
PE (optional)	PE (optional)

Course Planning Worksheet: Robotics Engineering

AP/IB/Transfer Credit: _____

Abbreviation Key for Course Planning Tracker:

- **GPS** = Great Problems Seminar
- **HUA**= Humanities Course (includes AB, AR, CN, EN, GN, HI, HU, INTL, ISE, MU, PY, RE, SP, TH, WR)
- **SS** = Social Science Course (includes ECON, ENV, GOV, PSY, SD, SOC, SS)
- **BB** = Biology Course
- **PH**= Physics Course
- **CH**= Chemistry Course

Any courses marked with an asterisk (*) are optional programs, and can be taken in addition to the three courses.

Please Note: The Great Problems Seminars are a two term sequence course. They are also **linked**. This means that when registering for a GPS course in C term, you must register for its second half in D term.

<u>C Term Selections</u>		<u>D Term Selections</u>	
	<u>(Include CRN)</u>		<u>(Include CRN)</u>
PH 1110/1111		PH 1120/1121	
Math or CS 1101/1102		Math or RBE 1001	
GPS, HUA, SS, OTHER		GPS, HUA, SS, OTHER	
*Physical Education (1/12 credit unit)		*Physical Education (1/12 credit unit)	
*Military Science (Must be affiliated with an ROTC unit)		*Military Science (Must be affiliated with an ROTC unit)	
Back-ups		Back-ups	