

## 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 the calculus sequence (MA 1021-1024), two terms of physics (PH 1110/1111 and PH 1120/1121) and several HU 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.

For those students who are sure of their major being Robotics, we encourage you to take Introduction to Robotics ([RBE 1001](#)) during C or D term. The most important consideration in planning when to take RBE 1001 is your Physics preparation; you should have completed at least the mechanics course (either through PH1110/1111 or AP) before taking RBE 1001. Students who are exceptionally well prepared and wish an early start to robotics should take Introduction to Program Design [CS 1101](#) or [CS 1102](#) in A Term and RBE 1001 in either A or B term (depending on your physics status). Please review the [CS FAQ information](#) to select which CS course to begin with.

If you are undecided about your major and interested in RBE, we encourage you to take RBE 1001 during B term (assuming the physics preparation mentioned above), rather than C or D term to help you make your decision.

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](mailto:rbe@wpi.edu) or 508-831-6665.

**\*Please note: Students who will be taking RBE 1001 in B term should begin with the Physics sequence in A term.**

### Example of a typical course schedule for your first two terms

<u>A term</u>	<u>B 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)

# Course Planning Worksheet: Robotics Engineering

Math Placement Test Result: \_\_\_\_\_ AP/IB/Transfer Credit: \_\_\_\_\_

**Abbreviation Key for Course Planning Tracker:**

- **GPS** = Great Problems Seminar
- **HU** = 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 A term, you must register for its second half in B term.

<u>A Term Selections</u>		<u>B 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, HU, SS		GPS, HU, SS	
*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	