

## Course Planning Specifics: Mathematical Science and Actuarial Mathematics

Mathematical Sciences majors can choose to take courses either in the calculus sequence MA1021 – MA 1024, or if they are entering WPI with credit for MA 1021 and MA 1022, you are encouraged to consider MA 1033 and MA 1034. Please see the math placement exam to choose the regular calculus course that's right for you.

The sequence MA 1033 Theoretical Calculus III and MA 1034 Theoretical Calculus IV is an alternative to the MA 1023, MA 1024 sequence in A and B terms. The sequence is designed to give a deeper and more mathematically rigorous presentation of the relevant calculus topics. If you **really enjoy math and have credit for Calculus I and II already**, you should consider this sequence instead of the MA 1023-MA 1024 sequence.

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

<u>A term</u>	<u>B term</u>
MA	MA
Science or Econ	Science or Econ
GPS/HU/CS	GPS/HU/CS
PE (optional)	PE (optional)

Actuarial Mathematics majors should consider taking economics as one of their three courses in each of A (Econ 1120) and B (Econ 1110 or Econ 1120) terms. Or, for Actuarial Majors who already have credit for MA 1021 and MA 1022 and who want to jump right in to introductory courses in their field of study, consider taking Theory of Interest I MA 2211 in A-term and Theory of Interest II MA 2212 in B-term.

<u>A term</u>	<u>B term</u>
MA	MA
Science, Econ, or MA 2211	Science, Econ, or MA 2212 (after taking MA 2211)
GPS/HU/CS	GPS/HU/CS
PE (optional)	PE (optional)

[Click here](#) for the degree requirements for Actuarial Mathematics and Mathematical Sciences degree requirements. Potential Mathematical Sciences majors who have specific questions regarding the major or distribution requirements should contact [Professor Blais](#). Potential Actuarial Sciences majors who have specific questions regarding the major or distribution requirements should contact [Professor Abraham](#).

# Course Planning Worksheet: Mathematical Sciences

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>
MA		MA	
BB, CH, PH or Economics		BB, CH, PH or Economics	
GPS, HU		GPS, HU	
*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	