

Course Planning Specifics: Biochemistry

Students considering biochemistry as a major should make sure that by the end of the first year, that they have completed the chemistry sequence (CH 1010-1040), and the calculus sequence (MA 1021-1024), and some biology. This can be through a combination of AP or transfer credit, as well as WPI courses and credit exams. 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 Biochemistry.

CH 1010 and CH 1020 review material that is generally found in high school chemistry courses, and may not be necessary for students with a good chemistry background. CH 1030 and CH 1040 (offered C and D terms) are highly recommended as they provide an introduction to working in a laboratory, a key part of the skills necessary to become a biochemist.

Since biochemists work at the interface of chemistry and biology, a background in biology is also essential. For those students who have had biology in high school, we recommend taking Cell Biology ([BB 2550](#)) and Genetics ([BB 2920](#)) in the first year. For those students who have no biology background, BB 1035-Intro to Biotechnology should be taken first.

Additional courses can be selected from the Humanities, Great Problems Seminars, and Social Sciences. For students who receive AP credit for chemistry we recommend taking a Great Problems Seminar in place of the chemistry courses.

Example of a typical course schedule for your first two terms

A term	B term
CH1010	CH1020
GPS/HU/SS/BB	GPS/HU/SS/BB
MA	MA
PE (optional)	PE (optional)

Course Planning Worksheet: Biochemistry

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>
CH 1010		CH 1020	
Math		Math	
GPS, HU, SS, BB		GPS, HU, SS, BB	
*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	