

Course Planning Specifics: Architectural Engineering

Students considering Architectural 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). AREN majors are advised to pick between chemistry and physics as their science course; 2/3 unit of physics and 1/3 unit of chemistry are required. This can be fulfilled through a combination of AP or transfer credit, as well as WPI courses. 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 Architectural Engineering – Mechanical track and for the Architectural Engineering – Structural track.

For your third course, selection from the humanities, social science, or GPS is encouraged. AR2114 Modern Architecture in America is a particularly relevant humanities course.

Please note: For Architectural engineering majors GPS courses can be used to fulfill the HUA, SS or basic science (CH, BB) requirements. All other GPS credit will count toward free electives.

Example of a typical course schedule for your first two terms

<u>A term</u>	<u>B term</u>
PH or CH	PH or CH
MA	MA
GPS/HU/SS	AR2114/GPS
PE (optional)	PE (optional)

Course Planning Worksheet: Architectural 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>
PH1110/1111		PH1120/1121	
Math		Math	
GPS, HU, SS, Other		GPS, AR2114	
*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	