

Course Planning Specifics: Aerospace Engineering

Students considering Aerospace 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). Typically AE majors complete the physics sequence (PH1110/1111, PH1120/1121) in the fall and take a chemistry course (CH1010) in the spring. This can be 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 Aerospace Engineering – astronautical and Aerospace Engineering – aeronautical.

For your third course, selection from the humanities or social science is encouraged. You may also register for a GPS, but it is important to note that for Aerospace engineering majors GPS courses can only be used to fulfill the HUA and SS requirements. All other GPS credit will count toward free electives. If you have questions about the AE Major requirements or wish to discuss your course selections, contact the AE Program Undergraduate Committee Chair (Prof. Blandino).

Example of a typical course schedule for your first two terms

| <u>A term</u> | <u>B term</u> |
|----------------------|----------------------|
| PH1110/1111 | PH1120/1121 |
| MA | MA |
| HU/SS | HU/SS |
| PE (optional) | PE (optional) |

Course Planning Worksheet: Aerospace 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>(Include CRN)</u> | <u>B Term Selections</u> | <u>(Include CRN)</u> |
|---|----------------------|---|----------------------|
| PH1110/1111 | | PH1120/1121 | |
| Math | | Math | |
| HU, SS, Other | | HU, 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 | |