

AE Specialty: Space and Technology

The following courses are suggested for AE majors who want their degree to reflect their interest in the latest methods of spacecraft engineering, the current issues, and the role of space in society.

Math:

- MATH 4581 – Classical Mathematical Methods in Engineering

AE Options:

- AE 4803 – Space Flight Operations
- AE 4580 – Intro to Avionics Integration
- AE XXXX - Robotics and Autonomy

Free Electives:

- MATH 4305 – Linear Algebra
- CS 2340/2345 – Programming Language (C++ or Python)
- ME 4405– Fundamentals of Mechatronics

Humanities Elective:

- PHIL 3109 Engineering Ethics
- LMC 3214 Science Fiction

Social Science Elective:

- HTS 2100 Science Technology and The Modern World
- INTA 3043 Space Policy