

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.

AE Options:

- AE 4361 – Space Flight Operations
- AE 4580 – Introduction to Avionics Integration
- AE 4803 – Robotics and Autonomy
- AE 4803 – Planetary Spacecraft Development
- AE 4803 – Space Instrumentation for Life Detection

Math:

- MATH 4581 – Classical Mathematical Methods in Engineering

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 & The Modern World
- INTA 3043 – Space Policy