

AE Specialty: Space and Science

The following courses are suggested for AE majors who want their degree to reflect their interest in becoming modern scientists/engineers by emphasizing topics in both spacecraft engineering and space science applications.

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:

- PHYS 2021 Solar System Physics
- PHYS 3021 Stellar Astrophysics
- EAS 4803 Land Remote Sensing

Humanities Elective:

- PHIL 3115 Philosophy of Science
- LMC 3310 Rhetoric Sci Inquiry

Social Science Elective:

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