

AE Specialty: Spacecraft Dynamics

The following courses are suggested for AE majors who want their degree to reflect their interest in developing a deeper math-based foundation of vehicle dynamics, classical orbital mechanics, and applications.

AE Options:

- AE 4361 – Space Flight Operations
- AE 4803 – Planetary Spacecraft Development
- AE 4803 – Space Instrumentation for Life Detection
- AE 4803 – Robotics & Autonomy

Math:

- MATH 3670 – Probability and Statistics with Applications

Free Electives:

- AE 4080 – Aerothermodynamics
- MATH 4305 – Topics in Linear Algebra
- CS 2340/2345 – Programming Language (C++ or Python)