

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.

Math:

- MATH3670 – Probability and Statistics with Applications

AE Options:

- AE 4580 – Introduction to Avionics Integration
- AE 4803 – Space Flight Operations
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Free Electives:

- MATH 4305 – Topics in Linear Algebra
- AE 3090 – Numerical Methods
- CS 2340/2345 – Programming Language (C++ or Python)