

AE Specialty: Aircraft Flight Dynamics

The following courses are suggested for AE majors who want their degree to reflect their interest in the analysis and design of algorithms, sensors and actuators that enhance the stability and performance characteristics of flying vehicles.

Math:

- MATH 4581 – Classical Mathematical Methods in Eng.

AE Options:

- AE 4802 Configuration Aerodynamics and Flight Performance
- AE 4803 Rotorcraft Aeromechanics
- AE 4580 – Introduction to Avionics Integration

Free Electives:

- MATH3670 – Probability and Statistics with Applications
- MATH 4305 – Topics in Linear Algebra
- ME 2016 – Computing Techniques
- CS 2340/2345 – Programming Language (C++ or Python)