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.

AE Options:

- AE 4580 – Introduction to Avionics Integration

- AE 4802 – Configuration Aerodynamics and Flight Performance

- AE 4803 – Flight Test Engineering

- AE 4803 – Intro to Safety by Design/Accident Causation

- AE 4803 – Rotorcraft Aeromechanics

Math:

- MATH 4581 – Classical Mathematical Methods in Eng.

Free Electives:

- MATH 3670 – Probability and Statistics with Applications

- MATH 4305 – Topics in Linear Algebra

- ME 2016 – Computing Techniques

- CS 2340/2345 – Programming Language (C++ or Python)