

# ME 5206: Aircraft Design

An integrated study of aerodynamics, propulsion, dynamics and control, structures, aeroelasticity, and performance with the purpose of a design of an aircraft that meets the desired specifications. Topics include weight estimates, sizing, configuration layout, airfoil and wing geometry, propulsion estimates, structural analysis, and stability of motion.

**Credits:** 3.0

**Prerequisites:**

CEE 2103

ME 2101 and (ME 2103 or CEE 2103) and ME 3600

**Program:** [Mechanical Engineering](#)