

AE Specialty: Propulsion

The following courses are suggested for AE majors who want their degree to reflect their interest in developing a foundation in gasdynamics, combustion, and heat transfer so they might explore the complex systems that compose modern propulsion devices and energy systems.

Math:

- MATH 4581 – Classical Mathematical Methods in Engineering OR
- Math 3215 – Intro to Probability and Statistics

AE Options:

- AE XXXX – Advanced Propulsion
- AE 4040 – Applied Computational Fluid Dynamics

Free Electives:

- AE 4060 Aeroacoustics
- AE 4080 Aerothermodynamics
- AE 4461 Intro to Combustion
- ME 3345 Heat Transfer
- AE/ME 4760 Acoustics and Noise Control
- AE x889 Undergraduate Research