

# M E 401: Thermo-fluid Dynamics

## Mechanical Engineering

The conservation equations and laws of thermodynamics are used in formulating and solving problems in compressible gas dynamics, reacting flows, boundary layers, heat transfer, and plasma dynamics.

3 Credits

### Prerequisites

- [Engr 321: Thermodynamics](#)
- Pre-Requisite: 24 Earned Hours

### One-way corequisites

- [Engr 323: Fluid Mechanics](#)

### Instruction Type(s)

- Lecture: Lecture for M E 401

### Subject Areas

- [Engineering Physics/Applied Physics](#)
- [Aerospace, Aeronautical and Astronautical/Space Engineering](#)

