

KEY

- Required coursework for Minor
- Elective coursework for Minor; select 6 credits
- Pre-requisite for Minor
- Required Prerequisite
- Preceded or accompanied by; co-requisite
- 3 Number of course credits

*** Course requires grade of C or better**

Prerequisites

MEEN 221*
Statics & Particle Dynamics

_____ Semester _____ Grade

PHYS 218
MATH 251

MATH 308*
Differential Equations

_____ Semester _____ Grade

MATH 251

MEEN 315*
Prin. of Thermodynamics

_____ Semester _____ Grade

MEEN 221
MATH 251

Required

MEEN 344*
Fluid Dynamics

_____ Semester _____ Grade

MEEN 221
MEEN 315

MEEN 461*
Heat Transfer

_____ Semester _____ Grade

MATH 308
MEEN 344

MEEN 421
Thermo-Fluids Analysis & Design

_____ Semester _____ Grade

MEEN 461
MEEN 315

MINOR CREDIT HOURS: 15
meen.tamu.edu

Electives: Select 6 credits

MEEN 410
Internal Combustion Engines

_____ Semester _____ Grade

MEEN 344

MEEN 436
Principles of HVA/C

_____ Semester _____ Grade

MEEN 461

MEEN 437
Principles of Building Energy Analysis

_____ Semester _____ Grade

MEEN 315

MEEN 472
Gas Dynamics

_____ Semester _____ Grade

MEEN 344

MEEN Minor-Analysis, Design & Management of Energy Conversion Systems
-3.5 Minimum Overall GPA
-Minimum 6 hours at 300-400 level



Minor Field of Study Application

Department/Program: Mechanical Engineering

College: Engineering

Minor Track: Analysis, Design & Management of Energy Conversion Systems

Student's Name: _____ Major Department: _____

UIN: _____

Summary: A total of 15 credit hours listed as Minor Coursework will constitute a minor in Mechanical Engineering. A grade of "C" or better is required for any course to be used for the minor.

Entrance Requirements: A minimum GPA of 3.5; student must declare minor between their fourth (4th) and seventh (7th) semesters at TAMU.

Prerequisite Course Work: Pre-requisites of required and elective courses must be satisfied (**C or better**) even if not counting toward degree or minor.

Minor Coursework:

Required: 9 Credit Hours:

- **MEEN 344- Fluid Mechanics.** Pre-requisites: MEEN 221 & MEEN 315
- **MEEN 461- Heat Transfer.** Pre-requisites: MEEN 344; MATH 308
- **MEEN 421- Thermo-Fluids Analysis & Design.** Pre-requisite: MEEN 461 & MEEN 315

Elective: 6 Credit Hours: Students may select any two of the following. Students must meet pre-requisites and co-requisites for each of these courses before enrolling.

- **MEEN 410 – Internal Combustion Engines.** Prerequisite: MEEN 344.
- **MEEN 436 – Principles of Heating, Ventilation & Air Conditioning.** Prerequisite: MEEN 461.
- **MEEN 437 – Principles of Building Energy Analysis.** Prerequisite: MEEN 363.
- **MEEN 472 – Gas Dynamics.** Prerequisite: MEEN 344.

I, hereby request approval to acquire a minor field of study from the department of Mechanical Engineering under the rules of the University and the Dwight Look College of Engineering.

Student's Signature: _____ Date: ____/____/____

Department of Mechanical Engineering Authorization; Undergraduate Advisor Signature

Major Department Authorization

Date entered in Compass by Major Dept.

*Any/all course substitutions must be approved by Department of Mechanical Engineering