

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

MINOR CREDIT HOURS: 15
meen.tamu.edu

Prerequisites

<p style="text-align: center;">MEEN 221* Statics & Particle Dynamics</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(PHYS 218) (MATH 251)</p>	<p style="text-align: center;">MATH 308* Differential Equations</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MATH 251)</p>	<p style="text-align: center;">ECEN 215* Prin. of Electrical Engr.</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(PHYS 208) (MATH 308)</p>
<p style="text-align: center;">CVEN 305* Mechanics of Materials</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 221)</p>	<p style="text-align: center;">MEEN 315* Prin. of Thermodynamics</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 221) (MATH 251)</p>	<p style="text-align: center;">MEEN 260* Mechanical Measurements</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 221) (ECEN 215) (MEEN 315) (MATH 308)</p>
<p style="text-align: center;">MEEN 357* Engr. Analysis for Mech.</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(ENGR 112) (MATH 308)</p>	<p style="text-align: center;">MEEN 360* Mtls. & Mfg. Select. in Design</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 222) (MEEN 260) (CVEN 305)</p>	

Required

<p style="text-align: center;">MEEN 363* Dynamics & Vibrations</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 221) (MATH 308) (MEEN 357) (CVEN 305)</p>	<p style="text-align: center;">MEEN 364* Dynamic Systems & Controls</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(ECEN 215) (MEEN 363) (MEEN 260)</p>	<p style="text-align: center;">MEEN 431 Adv. System Dynamics & Controls</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 364)</p>
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Electives: Select 6 credits

<p style="text-align: center;">MEEN 408 Introduction to Robotics</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 364)</p>	<p style="text-align: center;">MEEN 411 Mechanical Controls</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 364)</p>	<p style="text-align: center;">MEEN 432 Automotive Engineering</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 363)</p>
<p style="text-align: center;">MEEN 433 Mechatronics</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 364)</p>	<p style="text-align: center;">MEEN 434 Dyn. & Modeling of Mechatronic Sys.</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 364)</p>	<p style="text-align: center;">MEEN 459 Mechanical Vibrations</p> <p style="text-align: center;">____ Semester ____ Grade</p> <p style="text-align: center;">(MEEN 363) (MATH 308)</p>

MEEN Minor-Control of Mechanical Systems

-3.5 Minimum Overall GPA
 -Minimum 6 hours at 300-400 level



Minor Field of Study Application

Department/Program: Mechanical Engineering
Minor Track: Control of Mechanical Systems

College: Engineering

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 363- Dynamics & Vibrations.** Pre-requisites: MEEN 221 & MATH 308; Co-requisites: MEEN 357 & CVEN 305
- **MEEN 364- Dynamic Systems & Controls.** Pre-requisite: ECEN 215, MEEN 363, & MEEN 260
- **MEEN 431- Advance System Dynamics & Controls.** Pre-requisites: MEEN 364

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 408 – Introduction to Robotics.** Prerequisite: MEEN 364.
- **MEEN 411 – Mechanical Controls.** Prerequisite: MEEN 364.
- **MEEN 432 – Automotive Engineering.** Prerequisite: MEEN 363.
- **MEEN 433 – Mechatronics.** Prerequisite: MEEN 364.
- **MEEN 434 – Dynamics & Modeling of Mechatronic Systems.** Prerequisite: MEEN 364.
- **MEEN 459 – Mechanical Vibrations.** Prerequisite: MEEN363; MATH 308.

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