

Minor in Mechanical Engineering

Mechanical Engineering Minor Program

General Requirements

The Mechanical Engineering department offers a minor in Mechanical Engineering. Students must fulfill all prerequisites for each course in the chosen sequence. Students in the sciences or mathematics must be prepared to meet the requirements for fundamental engineering and engineering science courses. Students in engineering disciplines are better positioned to meet the prerequisites for minor courses.

For a Minor in Mechanical Engineering, the student must complete a minimum of 18 credits from the following:

1. Required Courses (choose three, 9 credits)

MEGN212	INTRODUCTION TO SOLID MECHANICS	3.0
MEGN261	THERMODYNAMICS I	3.0
MEGN315	DYNAMICS	3.0
MEGN351	FLUID MECHANICS	3.0

2. Tracks (choose one track):

Robotics, Automation & Design Track (9 credits)

MEGN324	INTRODUCTION TO FINITE ELEMENT ANALYSIS	3.0
MEGN441	INTRODUCTION TO ROBOTICS	3.0
MEGN481	MACHINE DESIGN	3.0
or MEGN416	ENGINEERING VIBRATION	
or MEGN485	MANUFACTURING OPTIMIZATION WITH NETWORK MODELS	

Solid Materials Track (9 credits)

MEGN324	INTRODUCTION TO FINITE ELEMENT ANALYSIS	3.0
MEGN412	ADVANCED MECHANICS OF MATERIALS	3.0
MEGN416	ENGINEERING VIBRATION	3.0
or MEGN481	MACHINE DESIGN	

Thermal-Fluids Track (9 credits)

MEGN451	AERODYNAMICS	3.0
MEGN461	THERMODYNAMICS II	3.0
MEGN471	HEAT TRANSFER	3.0

Primary Contact

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