

# MECHANICAL ENGINEERING MINOR

---

The primary objective of the mechanical engineering minor is to prepare students to enter and progress in mechanical engineering related positions in business, industry and government. Graduates are generally expected to work in the research and development of ideas, products and processes by applying engineering principles to the solution of practical problems in the mechanical engineering field.

It is the policy of the Mechanical Engineering program that students, once admitted to and pursuing a course of study at EWU in Mechanical Engineering, will take their required courses at EWU. A student wishing to take a course at another institution with the intention to transfer that course into his/her degree program at EWU must receive prior approval from the Mechanical Engineering Program Coordinator.

**Grade Requirements:** Students getting a minor in the department must earn an average GPA  $\geq 2.5$  in all courses required for the minor (all courses in the list below).

## Required Courses

MENG 217	3D PARAMETRIC COMPUTER AIDED DESIGN	4
MENG 240	STATICS	4
MENG 241	STRENGTH OF MATERIALS	4
MENG 242	DYNAMICS	4
<b>Choose from the following</b>		<b>15</b>
MENG 300	LABORATORY ANALYSIS AND REPORTS	
MENG 353	INDUSTRIAL MATERIALS	
MENG 380	THERMODYNAMICS	
MENG 382	FLUID MECHANICS	
MENG 385	ROBOTICS AND AUTOMATION	
MENG 405	DESIGN OF MACHINE ELEMENTS	
MENG 407	HEATING, VENTILATING AND AIR CONDITIONING	
MENG 444	HEAT TRANSFER	
MENG 492	FINITE ELEMENT ANALYSIS	
<b>Total Credits</b>		<b>31</b>