

Minor in Mechanical Engineering

Effective fall 2019

This minor is a good opportunity for current UNM Engineering students or other UNM science-oriented students (i.e. Physics, Earth and Planetary Sciences, Chemistry or Biology) and Architecture. The student in the majors mentioned above may already have some of the pre-requisites or courses as part of their major. This minor will allow students to learn a wholistic view of engineering and technology beyond the boundaries of just their current major.

The undergraduate minor in Mechanical Engineering requires a total of 24-25 credit hours, depending on the option selected. *Note, the courses listed below have pre-requisites*

All options require:

Mechanical Engineering Design I	(ME 160L)	3hrs
Energy, Environment & Society	(ME 217)	3hrs
Mechanical Engineering Design II	(ME 260L)	3hrs
Engineering Statics	(CE 202)	3hrs
Total		12 hrs

Plus select 1 of 5 options noted below:

“Option A”

Mechanics of Materials	(CE 302)	3hrs
Mechanical Engineering Design III	(ME 360L)	3hrs
<u>ME Electives</u>	<u>(ME 300+)</u>	<u>6hrs</u>
		12 hrs

“Option B”

Mechanics of Materials	(CE 302)	3hrs
Engineering Materials Science	(ME 370L)	4hrs
<u>ME Electives</u>	<u>(ME 300+)</u>	<u>6hrs</u>
		13hrs

“Option C”

Dynamics	(ME 306)	3hrs
Introduction to Mechanical Vibrations	(ME 357)	3hrs
<u>ME Electives</u>	<u>(ME 300+)</u>	<u>6hrs</u>
		12hrs

“Option D”

Dynamics	(ME 306)	3hrs
Thermodynamics	(ME 301)	3hrs
<u>ME Electives</u>	<u>(ME 300+)</u>	<u>6hrs</u>
		12hrs

“Option E”

Dynamics <u>OR</u> Mechanics of Materials	(ME 303 or CE 302)	3hrs
Formula SAE Racecar Design	(ME 406L)	4hrs (spring only)
Formula SAE Racecar Fabrication Lab	(ME 407)	3hrs (fall only)
<u>Formula SAE Racecar Test Lab</u>	<u>(ME 408)</u>	<u>3hrs (spring only)</u>
		13hrs

Total credit hours for Mechanical Engineering minor 24 – 25