

# MECHANICAL ENGINEERING - UNDERGRADUATE MINOR

Prefix	Title	Credits
<b>Requirements</b>		
<i>Math and Science</i>		
MATH 1511G	Calculus and Analytic Geometry I	4
or MATH 1511H	Calculus and Analytic Geometry I Honors	
MATH 1521G	Calculus and Analytic Geometry II	4
or MATH 1521H	Calculus and Analytic Geometry II Honors	
MATH 2530G	Calculus III	3
PHYS 1310G	Calculus -Based Physics I	3
<i>Required Engineering</i>		
C E 301	Mechanics of Materials	3
M E 240	Thermodynamics	3
ENGR 233	Engineering Mechanics I	3
ENGR 234	Engineering Mechanics II	3
M E 328	Engineering Analysis II	3
M E 338	Fluid Mechanics	3
M E 326	Mechanical Design	3
<i>Technical Elective <sup>1</sup></i>		
Select one from the following:		3
M E 401	Building Energy and Environment	
M E 425	Design of Machine Elements	
M E 452	Control System Design	
M E 456	Experimental Modal Analysis	
M E 457	Engineering Failure Analysis	
M E 458	Properties and Mechanical Behavior of Materials	
M E 460	Applied Finite Elements	
M E 481	Alternative and Renewable Energy	
M E 483	Introduction to Combustion	
M E 486	Introduction to Robotics	
M E 487	Mechatronics	
<b>Total Credits</b>		<b>38</b>

<sup>1</sup> Technical Elective cannot be used to satisfy BSAE Engineering elective requirement.