

# B.S. in Mechanical Engineering (ABET-accredited)

	Fall	Spring
First year	<ul style="list-style-type: none"> <li>*MATH 1120 - Differential Calculus</li> <li>*CHEM 1610 or higher</li> </ul>	<ul style="list-style-type: none"> <li>*MATH 1150 - Integral Calculus</li> <li>*ENAS 1300 - Intro to Computing for Engineers &amp; Scientists</li> </ul>
Sophomore	<ul style="list-style-type: none"> <li>*ENAS 1510 or MATH 1200 - Multivariable Calculus</li> <li>*MATH 2220 - Linear Algebra</li> <li>PHYS 1800 or PHYS 2000 - Physics I</li> <li>ECE 2000 - Intro to Electrical Engineering</li> </ul>	<ul style="list-style-type: none"> <li>*ENAS 1940 - Ordinary &amp; Partial Differential Equations</li> <li>PHYS 1810 or PHYS 2010 - Physics II</li> <li>*MENG 1105 - Mechanical Design</li> <li>*MENG 2511 - Thermodynamics for Mechanical Engineers</li> </ul>
Junior	<ul style="list-style-type: none"> <li>PHYS 1650L - Physics I Lab (0.5 credit)</li> <li>MENG 2311 - Strength &amp; Deformation of Mechanical Elements</li> <li>MENG 3125 - Machine Elements &amp; Manufacturing Processes</li> <li>*MENG 3323 – Dynamics</li> <li>MENG 3422 - Fluid Mechanics</li> </ul>	<ul style="list-style-type: none"> <li>PHYS 1660L - Physics II Lab (0.5 credit)</li> <li>MENG 3020L – Mechatronics Lab (1.0 credit)</li> <li>MENG 3423L - Fluid Mechanics &amp; Thermodynamics Lab (1.0 credit)</li> <li>MENG 3424 - Fluid &amp; Thermal Energy Science</li> <li>Technical Elective (chosen in consultation with DUS)</li> </ul>
Senior	<ul style="list-style-type: none"> <li>MENG 2615 - Intro to Materials Science</li> <li>MENG 4137L - Mechanical Design: Process &amp; Implementation I (1.0 credit)</li> <li>Technical Elective (chosen in consultation with DUS)</li> </ul>	<ul style="list-style-type: none"> <li>*MENG 2616L - Solid Mechanics &amp; Materials Science Lab (1.0 credit)</li> <li>MENG 4138L - Mechanical Design: Process &amp; Implementation II (0.5 credit)</li> <li>Technical Elective (chosen in consultation with DUS)</li> </ul>

**Starred courses** are offered in both semesters. **Unstarred courses** are only offered in the semester in which they're shown (e.g., MENG 3422 is only offered in the fall).