

# MECHANICAL ENGINEERING

 Core Courses

 Major Specific Courses

\* Two-credit hour course

\*\* Four-credit hour course

TERM 1	TERM 2	TERM 3	TERM 4
<p>Life &amp; Career Dynamics*</p> <p>Intro to Philosophy: Knowledge &amp; Reality</p> <p>Western Civilization I</p> <p>Writing &amp; Rhetoric I</p> <p>Calculus I**</p>	<p>The Mindset of the Entrepreneurial Masters</p> <p>Foundational Economic Concepts</p> <p>Western Civilization II</p> <p>Writing &amp; Rhetoric II</p> <p>Physics I**</p>	<p>Philosophy of the Human Logic</p> <p>Stocks, Bonds, Investments, &amp; Personal Finance</p>	<p>Ethics</p>
		<p>Calculus II</p> <p>Technical Drawing</p> <p>Co-op (Non-credit)</p>	<p>Computer Programming/Data Analytics</p> <p>Physics II</p> <p>Calculus III</p> <p>Biology &amp; Health</p> <p>Co-op (Non-credit)</p>
TERM 5	TERM 6	TERM 7	TERM 8
<p>Philosophy of Economics &amp; Human Action</p>	<p>Product Design &amp; Development</p> <p>Dynamics, Kinematics, &amp; Vibrations</p> <p>Material Properties &amp; Processing</p> <p>Mechanics of Materials</p> <p>Electronics &amp; Controls</p> <p>Co-op (Non-credit)</p>	<p>Politics and Culture of a Free Society</p>	<p>Virtuous Leadership in a Free Society</p>
<p>Differential Equations</p> <p>Advanced Manufacturing</p> <p>Chemistry I</p> <p>Statics</p> <p>Co-op (Non-credit)</p>		<p>Engineering Codes &amp; Standards</p> <p>Mechanical Design &amp; Analysis</p> <p>Thermodynamics</p> <p>Co-op (Capstone Project)</p>	<p>Heat Transfer</p> <p>Fluid Mechanics</p> <p>Mechatronics</p> <p>FE Exam Review</p> <p>Co-op (Capstone Project)</p>

