

B.S. Mechanical Engineering - Schedule Planning Grid  
Effective Autumn 2023

Freshmen Year					Sophomore Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
<b>TMATH 124</b>	<b>Calculus I</b>	<b>Fall</b>	<b>5</b>		<b>TMATH 324</b>	<b>Multivariable Calculus</b>	<b>Fall</b>	<b>5</b>	
<b>TCHEM 142</b>	<b>General Chemistry 1</b>	<b>Fall</b>	<b>6</b>		<b>TME 221</b>	<b>Statics</b>	<b>Fall</b>	<b>4</b>	
<b>TCORE 102</b>	Introduction to Engineering	Fall	5			Social Science & Diversity (SSc and	Fall	5	
<b>TMATH 125</b>	<b>Calculus II</b>	<b>Winter</b>	<b>5</b>		<b>TMATH 207</b>	<b>Differential Equations</b>	<b>Winter</b>	<b>5</b>	
<b>TCORE 101</b>	Introduction to Composition (C)	Winter	5		<b>TME 222</b>	<b>Mechanics of Materials</b>	<b>Winter</b>	<b>4</b>	
<b>T PHYS 121</b>	<b>Physics I (Mechanics)</b>	<b>Winter</b>	<b>6</b>			Arts and Humanities (A&H, W)	Winter	5	
					<b>TUNIV 190</b>	Success in STEM	Winter	1	
<b>TMATH 126</b>	<b>Calculus III</b>	<b>Spring</b>	<b>5</b>		<b>T PHYS 123</b>	<b>Physics III (Waves)</b>	<b>Spring</b>	<b>6</b>	
<b>TCSS 142</b>	<b>Introduction to Programming</b>	<b>Spring</b>	<b>5</b>		<b>TCES 215</b>	Electrical Circuits	Spring	5	
<b>T PHYS 122</b>	<b>Physics II (Electromagnetism)</b>	<b>Spring</b>	<b>6</b>		<b>TME 223</b>	<b>Dynamics</b>	<b>Spring</b>	<b>4</b>	
Junior Year					Senior Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
<b>TME 320</b>	Fundamentals of Material Sci+LAB	Fall	4		<b>TME 4XX</b>	Elective	Fall	4	
<b>TME 315</b>	3D Modeling (A&H)	Fall	5		<b>TME 441</b>	Mechatronics+LAB	Fall	5	
<b>TME 331</b>	Thermodynamics	Fall	5		<b>TME 433</b>	Heat Transfer	Fall	5	
<b>TME 310</b>	Intro to Comp Modeling I	Fall	2		<b>TME 480</b>	Senior Project I	Fall	2	
<b>TME 390</b>	Junior Seminar	Fall	2						
<b>TME 332</b>	Fluid Mechanics+LAB	Winter	5		<b>TME 435</b>	Thermal System Design+LAB	Winter	4	
<b>TME 341</b>	Mechanical Design I	Winter	5		<b>TME 4XX</b>	Elective	Winter	4	
<b>TEE 225</b>	Engineering Ethics (SSc, W)	Winter	5		<b>TME 481</b>	Senior Project II	Winter	3	
<b>TME 311</b>	Intro to Comp Modeling II	Winter	2		<b>TME 403</b>	Engineering Economics	Winter	2	
<b>TME 390</b>	Junior Seminar	Winter	1		<b>TME 402</b>	FE Exam Review	Winter	1	
					<b>TME 491</b>	Senior Seminar	Winter	1	
<b>TME 351</b>	Engineering Probability & Stats	Spring	3		<b>TME 4XX</b>	Elective	Spring	3	
<b>TME 342</b>	Mechanical Design II	Spring	5		<b>TME 4XX</b>	Elective	Spring	4	
<b>TME 345</b>	Machining Fundamentals	Spring	3		<b>TME 482</b>	Senior Project III	Spring	4	
<b>TME 373</b>	System Dynamics and Controls+LAB	Spring	5		<b>TME 402</b>	FE Exam Review	Spring	1	
<b>TME 390</b>	Junior Seminar	Spring	2		<b>TME 491</b>	Senior Seminar	Spring	1	
<p>Note: This is an advising tool only and is subject to change. <b>Required prerequisites are in BOLD.</b> Admission is not guaranteed and is based on review of major application. *5 credits of programming (Courses in Python, Java, C, C++ or the equivalent of AMATH 301: Beginning Scientific Computing will meet this requirement)</p>									