

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

Freshmen Year					Sophomore Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TMATH 124	Calculus I	Fall	5		TMATH 324	Multivariable Calculus	Fall	5	
TCHEM 142	General Chemistry 1	Fall	6		TME 221	Statics	Fall	4	
TCORE 102	Introduction to Engineering	Fall	5			Social Science & Diversity (SSc and DIV)	Fall	5	
TMATH 125	Calculus II	Winter	5		TMATH 207	Differential Equations	Winter	5	
TCORE 101	Introduction to Composition (C)	Winter	5		TME 222	Mechanics of Materials	Winter	4	
T PHYS 121	Physics I (Mechanics)	Winter	6			Arts and Humanities (A&H, W)	Winter	5	
					TUNIV 190	Success in STEM	Winter	1	
TMATH 126	Calculus III	Spring	5		T PHYS 123	Physics III (Waves)	Spring	6	
TCSS 142	Introduction to Programming	Spring	5		TCES 215	Electrical Circuits	Spring	5	
T PHYS 122	Physics II (Electromagnetism)	Spring	6		TME 223	Dynamics	Spring	4	
Junior Year					Senior Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TME 320	Fundamentals of Material Sci+LAB	Fall	4		TME 4XX	Elective	Fall	4	
TME 315	3D Modeling (A&H)	Fall	5		TME 441	Mechatronics+LAB	Fall	5	
TME 331	Thermodynamics	Fall	5		TME 433	Heat Transfer	Fall	5	
TME 310	Intro to Comp Modeling I	Fall	2		TME 480	Senior Project I	Fall	2	
TME 390	Junior Seminar	Fall	2						
TME 332	Fluid Mechanics+LAB	Winter	5		TME 435	Thermal System Design+LAB	Winter	4	
TME 341	Mechanical Design I	Winter	5		TME 4XX	Elective	Winter	4	
TEE 225	Engineering Ethics (SSc, W)	Winter	5		TME 481	Senior Project II	Winter	3	
TME 311	Intro to Comp Modeling II	Winter	2		TME 403	Engineering Economics	Winter	2	
TME 390	Junior Seminar	Winter	1		TME 402	FE Exam Review	Winter	1	
					TME 491	Senior Seminar	Winter	1	
TME 351	Engineering Probability & Stats	Spring	3		TME 4XX	Elective	Spring	3	
TME 342	Mechanical Design II	Spring	5		TME 4XX	Elective	Spring	4	
TME 345	Machining Fundamentals	Spring	3		TME 482	Senior Project III	Spring	4	
TME 373	System Dynamics and Controls+LAB	Spring	5		TME 402	FE Exam Review	Spring	1	
TME 390	Junior Seminar	Spring	2		TME 491	Senior Seminar	Spring	1	

Note: This is an advising tool only and is subject to change. **Required prerequisites are in BOLD.** 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)