Mechanical Engineering - Schedule Planning Grid
Autumn 2023

First Year					Second Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TMATH 115	Pre-Calculus I	Fall	5		**TMATH 125**	**Calculus II**	**Fall**	**5**	
TCORE 102	Introduction to Engineering	Fall	5		**T PHYS 121**	**Physics I (Mechanics)**	**Fall**	**6**	
TCORE 101	English Comp I (C)	Fall	5			Minor/ Elective Course	Spring	5	
TMATH 116	Pre-Calculus II	Winter	5		**TMATH 126**	**Calculus III**	**Winter**	**5**	
	Advanced Writing (W)	Winter	5		**T PHYS 122**	**Physics II (Electromagnetism)**	**Winter**	**6**	
TCHEM 142	**General Chemistry I**	**Winter**	**6**		TUNIV 190	Success in STEM	Winter	1	
						Minor/ Elective Course	Winter	5	
TMATH 124	**Calculus I**	**Spring**	**5**		**T PHYS 123**	**Physics III (Waves)**	**Spring**	**6**	
	Social Science and Diversity (SSc and DIV)	Spring	5		**TMATH 207**	**Differential Equations**	**Spring**	**5**	
	Minor/ Elective Course	Spring	5			Minor/ Elective Course	Spring	5	
Third Year					**Fourth Year**				
TMATH 324	**Multivariable Calculus**	**Fall**	**5**		TME 320	Fundamentals of Material Sci+LAB	Fall	4	
TME 221	**Statics**	**Fall**	**4**		TME 315	3D Modeling (A&H)	Fall	5	
	Minor/ Elective Course	Fall	5		TME 331	Thermodynamics	Fall	5	
					TME 310	Intro to Comp Modeling I	Fall	2	
					TME 390	Junior Seminar	Fall	2	
TME 222	**Mechanics of Materials**	**Winter**	**4**		TME 373	System Dynamics and Controls+LAB	Winter	5	
TCSS 142*	**Intro to Programming**	**Winter**	**5**		TME 341	Mechanical Design I	Winter	5	
	Arts and Humanities (A&H)	Winter	5		TEE 225	Engineering Ethics (SSc, W)	Winter	5	
					TME 311	Intro to Comp Modeling II	Winter	2	
					TME 390	Junior Seminar	Winter	1	
TME 223	**Dynamics**	**Spring**	**4**		TME 351	Engineering Probability & Stats	Spring	3	
TCES 215	Electrical Circuits	Spring	5		TME 342	Mechanical Design II	Spring	5	
TCES 390	Electrical Circuits Seminar (Optional)	Spring	2		TME 345	Machining Fundamentals	Spring	3	
	Minor/ Elective Course	Spring	5		TME 332	Fluid Mechanics+LAB	Spring	5	
					TME 390	Junior Seminar	Spring	2	
Fifth Year									
Course #	Title	Quarter	Credits	Notes					
TME 4XX	Elective	Fall	4						
TME 441	Mechatronics+LAB	Fall	5						
TME 433	Heat Transfer	Fall	5						
TME 480	Senior Project I	Fall	2						
TME 435	Thermal System Design+LAB	Winter	4						
TME 4XX	Elective	Winter	4						
TME 481	Senior Project II	Winter	3						
TME 403	Engineering Economics	Winter	2						
TME 402	FE Exam Review	Winter	1						
TME 4XX	Elective	Spring	3						
TME 4XX	Elective	Spring	4						
TME 482	Senior Project III	Spring	4						
TME 402	FE Exam Review	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)