

Mechanical Engineering Technology (MET) Long Range Schedule

Please note: every effort is made to offer the courses as listed below but occasionally changes must be made

Course Name and Number	Credits	AY 21/22			AY 22/23			AY 23/24			AY 24/25		
		Fall 2021	Spring 2022	Summer 2022	Fall 2022	Spring 2023	Summer 2023	Fall 2023	Spring 2024	Summer 2024	Fall 2024	Spring 2025	Summer 2025
MET Required Courses													
MET 120	Computer Aided Drafting	3	C	C	C	C	C	C	C	C	C	C	
MET 200	Manufacturing Process and Methods	3	C	C	W	C	C	W	C	C	W	C	
MET 225	Material Science Lab	1	C	C	A	C	C	A	C	C	A	C	
MET 240	Computer Solid Modeling	3	C, A	C, A	A	C, A	C, A	A	C, A	C, A	A	C, A	
MET 300	Thermodynamics	3	A	W	A	A	W	A	A	W	A	A	
MET 310	Dynamics	3	C	A 5,7,8	A	C	A 5,7,8	A	C	A 5,7,8	A	C	
MET 320	Design of Machine Elements	3	C	A	A	C	A	A	C	A	A	C	
MET 330	Fluid Mechanics	3	W	C	A	W	C	A	W	C	A	W	
MET 335W	Fluid Mechanics Laboratory	1	C, A	C, A	A	C, A	C, A	A	C, A	C, A	A	C, A	
MET 350	Thermal Applications	3		W	W		W	W		W	W		
MET 370	Automation and Controls	3	C	C	A	C	C	A	C	C	A	C	
MET 386	Automation and Controls Laboratory	1	C	C	A	C	C	A	C	C	A	C	
MET 387	Power and Energy Laboratory	2	C, A	C, A	A	C, A	C, A	A	C, A	C, A	A	C, A	
MET Senior Electives													
MET 405	Intro to Welding Technologies	3	C			C			C			C	
MET 406	Additive Manufacturing			C			C			C			
MET 410	Advanced Manufacturing Processes	3											
MET 415	Introduction to Robotics	3		C			C			C		C	
MET 420	Design for Manufacturing	3	C		A	C		A	C		A	C	
MET 426	Introduction to Mechatronics	3	W			W			W			W	
MET 427	Mechatronic System Design	3		W			W			W		W	
MET 430	Mechanical Subsystem Design	3	A		A	A		A	A		A	A	
MET 431	Modeling and Simulation of Mech. Systems	3		C	A		C	A		C	A	C	
MET 440	Heat Transfer	3	W			W			W			W	
MET 445	Computer Integrated Manufacturing	3			A			A			A		
MET 455	Lean Engineering	3											
MET 460	Refrigeration and AC	3			W			W			W		
MET 465	Geometric Dimensioning and Tolerancing	3	A		A	A		A	A		A	A	
MET 471	Nuclear Systems I.	3	W			W			W			W	
MET 472	Nuclear Systems II.	3		W			W			W		W	
MET 474	Introduction to Naval Architecture	3	W			W			W			W	
MET 475	Marine Engineering I.	3		W			W			W		W	
MET 476	Marine Engineering II.	3	W			W			W			W	
MET 480	High Performance Piston Engines	3											
MET 485	Maintenance Engineering	3		W			W			W		W	
Required Courses Shared with CET and EET Programs													
ENGT 111	Information Literacy/Research	2		C			C			C		C	
ENGT 305	Advanced Technical Analysis	3	C		A	C		A	C		A	C	
ENGT 434	Introduction to Senior Project	1	W	W		W	W		W	W		W	
ENGT 435W	Senior Design Project	3	W	W	W	W	W	W	W	W	W	W	
Internship Credits - Three semesters count as one METsenior elective. Must contact MET program director before registering													
MET 367	Internship I	1	I	I	I	I	I	I	I	I	I	I	
MET 368	Internship II	1	I	I	I	I	I	I	I	I	I	I	
MET 369	Internship III	1	I	I	I	I	I	I	I	I	I	I	
*C – Campus: This is face to face meetings only, appears on Leo-online with the building and classroom number													
*W – WebEX: Students may view classes on main campus, at Regional Higher Education Centers, and through their own computers via WebEx. Live classes are recorded. Appears on Leo-online as WC2, WC5, WC7, WC8, Regional Higher Education Centers, and a main campus building.													
*A - Asynchronous Web: No face to face meeting, not offered at DL centers or recorded, everything is done online. Appears on Leo-online as Web2, Web 5, Web7, and Web 8													
Web2 & WC2 – In Hampton Roads Web5 & WC5 - In Virginia (Outside Hampton Roads) Web7 & WC7 – Outside the state of Virginia, but in USA Web8 & WC8 – Outside the U.S.A.													

Updated by N. Luetke, September 2, 2021