

Mechanical Engineering Technology Curriculum

2012 - 2014 Catalog

(With Common Course Numbering Conversions)

			Fall	Spring
Freshman Year	CHMY 121 IN (Chem 121 IN)	Intro to General Chemistry	4	
	WRIT 101 W (ENGL 121 W)	College Writing I	3	
	M 165 Q (MATH 175 Q)	Calculus for Technology I	3	
	ETME 100 (MET 101)	Intro to Mech. Engr. Technology	1	
	M 166 Q (MATH 176 Q)	Calculus for Technology II		3
	EMEC 103 (MET 119)	CAE I: Engr. Graphics Communications		2
	PHSX 205 (PHYS 205)	College Physics I		4
	<i>Take one of the following:</i>			
	CLC 101 US	College Seminar		3
	COM 110 US	Public Communication		3
	US 101 US	First Year Seminar		3
	Univ. Core Electives		6	3
			17	15
Sophomore Year	PHSX 207 (PHYS 206)	College Physics II	4	
	EGEN 203 (EM 205)	Applied Mechanics	3	
	EMAT 252 (MET 251)	Materials Structures & Properties Lab	1	
	EMAT 251 (CHBE 213)	Materials Structures & Properties	3	
	ETME 202 (MET 201)	MET Computer Applications	1	
	EGEN 324 (ME 324)	Applied Thermodynamics		3
	EGEN 208 (EM 215)	Applied Strength of Materials		3
	EELE 250 (EE 250)	Circuits, Devices, & Motors		4
	ETME 203 (MET 211)	Mechanical Design Graphics		3
	ETME 215 (ME 255)	Manufacturing Processes		3
	ETME 216 (MET 256)	Manufacturing Processes Lab - MET		1
	BUS Elective	(From approved electives list)	3	
			15	17
Junior Year	ETME 340 (MET 340)	Mechanisms	4	
	EGEN 331 (EM 331)	Applied Mechanics of Fluids	3	
	EGEN 350 (I&ME 350)	Applied Engr. Data Analysis	2	
	ETME 310 (MET 314)	Machining & Industrial Safety	3	
	EGEN 310 (ENGR 310)	Multidisciplinary Engineering Design	3	
	ETME 321 (MET 325)	Applied Heat Transfer		3
	ETME 311 (MET 315)	Welding Processes		3
	ETME 341 (MET 345)	Machine Design		4
	ETME 303 (MET 303)	CAE Tools in Mech. Design		3
	ETME 360 (ME 360)	Measurements & Instrumentation Apps		3
		15	16	
Senior Year	ETME 422 (MET 454)	Principles of HVAC I	3	
	ETME 400 (MET 401)	MET Senior Seminar	1	
	ETME 489 (MET 456)	Capstone: MET Design I	2	
	EGEN 325 (I&ME 325)	Engineering Economic Analysis	3	
	ETME 415 (MET 449)	Design for Mfg. and Tooling		3
	ETME 424 (MET 466)	Thermal Processes Lab		1
	ETME 499R (MET 457 R)	Capstone: MET Design II		3
	EGEN 488 (ENGR 499)	Fundamentals of Engineering Exam		0
	Professional Electives		6	6
	Univ. Core Electives			3
		15	16	