

Engineering Technology - MECHANICAL Concentration

Bachelor of Science

NAME:

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	Grade	Semester	Minimum Grade of D Required:	Grade	Semester	Minimum Grade of C required:		
ENGLISH (12 hrs)			ENGL 101 Freshman Composition (3 hrs)			OSHE 111 Introduction to OSHE (3 hrs)	ENGINEERING TECHNOLOGY (33 hrs)	
			ENGL 102 Critical Reading and Writing (3 hrs)			ET 111 Engineering Graphics (3 hrs)		
			ENGL 230, 231 <u>or</u> 232 (3 hrs)			IT 407 Six Sigma Industrial Quality (3 hrs)		
		ENGL 322 Intro to Prof and Technical Writing (3 hrs)			ET 100 Introduction to Engineering Technology (3 hrs)			
NATURAL SCIENCE (15 hrs)			Biology - GBIO 151 (3 hrs)			ET 202 Computer Applications (3 hrs)		
			Biology - BIOL 152 (1 hr)			ET 213 Electrical Circuits (3 hrs)		
			Chemistry - CHEM 121 Lecture (3 hrs)			ET 241 Introduction to Engineering Materials (3 hrs)		
			Physics - PHYS 191 Lecture (3 hrs)			ET 305 Human Factors Engineering (3 hrs)		
			Physics - PLAB 193 Lab (1 hr)			ET 492 Project Management (3 hrs)		
			Physics - PHYS 192 Lecture (3 hrs)			ET 493 Senior Design I (3 hrs)		
GENERAL EDUCATION (17 hrs)			ART, DNCE, MUS, <u>or</u> THEA (3 hrs)			ET 205 Mathematical Methods for Engineering (3 hrs)	MECHANICAL CONCENTRATION (33 hrs)	
			HIST 101, 102, 201, <u>or</u> 202 (3 hrs)			ET 212 Introduction to Programming (3 hrs)		
			COMM 211 Introduction to Public Speaking (3 hrs)			ET 271 Engineering Statics (3 hrs)		
			ECON 201 or ECON 202 (3 hrs)			ET 283 Manufacturing Processes (3 hrs)		
			ANTH, ECON, POLI SCI, PSYC, <u>or</u> SOC (3 hrs)			ET 371 Engineering Dynamics (3 hrs)		
			SE 101 or Free Elective (2 hrs) not required of transfer or re-admitted students with 30 hours or more.			ET 375 Applied Thermodynamics (3 hrs)		
MATH			MATH 165 Precalculus with Trigonometry (3 hrs)			ET 376 Applied Fluid Mechanics (3 hrs)		
			MATH 200 Calculus I (5 hrs)			ET 381 Engineering Materials (3 hrs)		
¹ Technical Electives can be chosen from: ET 361 Solar Thermal Systems ET 363 Photovoltaics ET 365 Power Electronics ET 400 Internship ET 431 Power Transmission and Distribution ET 433 Wind Turbines ET 480 Advanced Strength of Materials ET 484 Advanced Manufacturing Techniques ET 488 Robotics and Automation IT 351 Machine Tool Technology IT 444 Computer Integrated Manufacturing (CIM)						ET 385 Mechanical Design (3 hrs)		Tech. Elec.
						ET 386 Machines and Control (3 hrs)		
						ET 478 HVAC (3 hrs)		
						¹ Technical Elective (3 hrs)		
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