

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 (31 hrs)
			ENGL 102 Critical Reading and Writing (3 hrs)			IT 407 Six Sigma Industrial Quality (3 hrs)	
			ENGL 230, 231 <i>or</i> 232 (3 hrs)			ET 100 Introduction to Engineering Technology (3 hrs)	
NATURAL SCIENCE (15 hrs)			ENGL 322 Intro to Prof and Technical Writing (3 hrs)			ET 111 Engineering Graphics (3 hrs)	ENGINEERING TECHNOLOGY (31 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 490 Seminar (1 hr)	
			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)			Physics - PLAB 194 Lab (1 hr)			ET 494 Senior Design II (3 hrs)	MECHANICAL CONCENTRATION (33 hrs)
			ART, DNCE, MUS, <i>or</i> THEA (3 hrs)			ET 205 Mathematical Methods for Engineering (3 hrs)	
			HIST 101, 102, 201, <i>or</i> 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 <i>or</i> ECON 202 (3 hrs)			ET 283 Manufacturing Processes (3 hrs)	
			ANTH, ECON, POLI SCI, PSYC, <i>or</i> SOC (3 hrs)			ET 371 Engineering Dynamics (3 hrs)	
MATH (1)			SE 101 <i>or</i> Free Elective (2 hrs) not required of transfer or re-admitted students with 30 hours or more.			ET 375 Applied Thermodynamics (3 hrs)	Tech Elec (6 hrs)
	Grade	Semester	Minimum Grade of C Required:			ET 376 Applied Fluid Mechanics (3 hrs)	
			MATH 175 Precalculus with Trigonometry (5 hrs)			ET 381 Strength of Materials (3 hrs)	Tech Elec (6 hrs)
			MATH 200 Calculus I (5 hrs)			ET 385 Mechanical Design (3 hrs)	
¹ Technical Electives can be chosen from: ET 322 Programmable Logic Controllers ET 362 Solar Thermal Systems ET 400 Internship ET 422 Mechatronics Systems 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 425 Control and Automation (3 hrs)	Tech Elec (6 hrs)
						ET 478 HVAC (3 hrs)	
						¹ Technical Elective (3 hrs)	
						¹ Technical Elective (3 hrs)	