

Engineering Technology - ENERGY 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)			IT 111 Engineering Drafting (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, or THEA (3 hrs)			ET 494 Senior Design II (3 hrs)	ENERGY CONCENTRATION (33 hrs)	
			HIST 101, 102, 201, or 202 (3 hrs)			ET 205 Mathematical Methods for Engineering (3 hrs)		
			COMM 211 Introduction to Public Speaking (3 hrs)			ET 212 Introduction to Programming (3 hrs)		
			ECON 201 or ECON 202 (3 hrs)			ET 221 Programming for Technologists (3 hrs)		
			ECON, PSYC, ANTH, SOC, or POLI (3 hrs)			ET 225 Electronics I (3 hrs)		
			SE 101 or Free Elective (2 hrs) not required of transfer or re-admitted students with 30 hours or more.			ET 226 Electronics II (3 hrs)		
MATH			MATH 165 Precalculus with Trigonometry (3 hrs)			ET 361 Solar Thermal Systems (3 hrs)		
			MATH 200 Calculus I (5 hrs)			ET 363 Photovoltaics (3 hrs)		
			¹ Technical Electives can be chosen from: ET 376 Applied Fluid Mechanics ET 381 Engineering Materials ET 425 Control and Automation ET 434 Geothermal Systems ET 435 Electrical Machines ET 436 Fluid Dynamics & Hydrodynamic Machinery IT 444 Computer-Integrated Manufacturing (CIM)			ET 365 Power Electronics (3 hrs)		Tech. Elec.
						ET 375 Applied Thermodynamics (3 hrs)		
						ET 431 Power Transmission and Distribution (3 hrs)		
						ET 433 Wind Turbines (3 hrs)		
						¹ Technical Elective (3 hrs)		
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