

Engineering Technology - ELECTRICAL ENERGY Concentration

Bachelor of Science

NAME:

W#:

	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 <u>or</u> 232 (3 hrs)			ET 100 Introduction to Engineering Technology (3 hrs)	
		ENGL 322 Intro to Prof and Technical Writing (3 hrs)			ET 111 Engineering Graphics (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 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)	
			Physics - PLAB 194 Lab (1 hr)			ET 494 Senior Design II (3 hrs)	
GENERAL EDUCATION (17 hrs)			ART, DNCE, MUS, <u>or</u> THEA (3 hrs)			ET 205 Mathematical Methods for Engineering (3 hrs)	ELECTRICAL ENERGY 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 214 Electrical Circuits II (3 hrs)	
			ECON 201 or ECON 202 (3 hrs)			ET 221 Programming for Technologists (3 hrs)	
			ANTH, ECON, POLI SCI, PSYC, <u>or</u> SOC (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 325 Digital Electronics (3 hrs)	
MATH (10 hrs)	Grade	Semester	Minimum Grade of C Required:			ET 341 Electromagnetics (3 hrs)	
			MATH 175 Precalculus with Trigonometry (5 hrs)			ET 362 Solar and Geothermal Systems (3 hrs)	
			MATH 200 Calculus I (5 hrs)			ET 365 Power Electronics (3 hrs)	
¹ Technical Electives can be chosen from: ET 322 Programmable Logic Controllers ET 400 Internship ET 422 Mechatronics Systems ET 425 Control and Automation ET 488 Robotics and Automation IT 351 Machine Tool Technology IT 444 Computer Integrated Manufacturing (CIM)						ET 421 Industrial Electrical Machinery and Controls (3 hrs)	
						ET 431 Power Transmission and Distribution (3 hrs)	
						¹ Technical Elective (3 hrs)	
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