

# Engineering Technology - ENERGY Concentration

## Bachelor of Science

NAME:

W#:

	Grade	Semester	Minimum Grade of D Required:	Grade	Semester	Minimum Grade of C required:	
ENGLISH (12 hrs)			<b>ENGL 101</b> Freshman Composition (3 hrs)			<b>OSHE 111</b> Introduction to OSHE (3 hrs)	ENGINEERING TECHNOLOGY (33 hrs)
			<b>ENGL 102</b> Critical Reading and Writing (3 hrs)			<b>ET 111</b> Engineering Graphics (3 hrs)	
			<b>ENGL 230, 231 <u>or</u> 232</b> (3 hrs)			<b>IT 407</b> Six Sigma Industrial Quality (3 hrs)	
			<b>ENGL 322</b> Intro to Prof and Technical Writing (3 hrs)			<b>ET 100</b> Introduction to Engineering Technology (3 hrs)	
NATURAL SCIENCE (15 hrs)			<b>Biology - GBIO 151</b> (3 hrs)			<b>ET 202</b> Computer Applications (3 hrs)	
			<b>Biology - BIOL 152</b> (1 hr)			<b>ET 213</b> Electrical Circuits (3 hrs)	
			<b>Chemistry - CHEM 121</b> Lecture (3 hrs)			<b>ET 241</b> Introduction to Engineering Materials (3 hrs)	
			<b>Physics - PHYS 191</b> Lecture (3 hrs)			<b>ET 305</b> Human Factors Engineering (3 hrs)	
			<b>Physics - PLAB 193</b> Lab (1 hr)			<b>ET 492</b> Project Management (3 hrs)	
			<b>Physics - PHYS 192</b> Lecture (3 hrs)			<b>ET 493</b> Senior Design I (3 hrs)	
GENERAL EDUCATION (17 hrs)			<b>ART, DNCE, MUS, <u>or</u> THEA</b> (3 hrs)			<b>ET 205</b> Mathematical Methods for Engineering (3 hrs)	ENERGY CONCENTRATION (33 hrs)
			<b>HIST 101, 102, 201, <u>or</u> 202</b> (3 hrs)			<b>ET 212</b> Introduction to Programming (3 hrs)	
			<b>COMM 211</b> Introduction to Public Speaking (3 hrs)			<b>ET 221</b> Programming for Technologists (3 hrs)	
			<b>ECON 201 or ECON 202</b> (3 hrs)			<b>ET 225</b> Electronics I (3 hrs)	
			<b>ECON, PSYC, ANTH, SOC, <u>or</u> POLI</b> (3 hrs)			<b>ET 226</b> Electronics II (3 hrs)	
			<b>SE 101 or Free Elective</b> (2 hrs) not required of transfer or re-admitted students with 30 hours or more.			<b>ET 361</b> Solar Thermal Systems (3 hrs)	
MATH			<b>MATH 165</b> Precalculus with Trigonometry (3 hrs)			<b>ET 363</b> Photovoltaics (3 hrs)	
			<b>MATH 200</b> Calculus I (5 hrs)			<b>ET 365</b> Power Electronics (3 hrs)	
			<sup>1</sup> Technical Electives can be chosen from: ET 376 Applied Fluid Mechanics ET 381 Engineering Materials ET 400 Internship 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)			<b>ET 375</b> Applied Thermodynamics (3 hrs)	
						<b>ET 431</b> Power Transmission and Distribution (3 hrs)	
						<b>ET 433</b> Wind Turbines (3 hrs)	
						<sup>1</sup> Technical Elective (3 hrs)	
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						Tech. Elec.	