CATALOG YEAR: **2017-2018**

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)			**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 *or* **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)	
			Physics - PLAB 194 Lab (1 hr)			**ET 494** Senior Design II (3 hrs)	
GENERAL EDUCATION (17 hrs)			**ART, DNCE, MUS**, *or* **THEA** (3 hrs)			**ET 205** Mathematical Methods for Engineering (3 hrs)	ENERGY CONCENTRATION (33 hrs)
			HIST 101, 102, 201, or 202 (3 hrs)			**ET 212** Introduction to Programming (3 hrs)	
			COMM 211 Introduction to Public Speaking (3 hrs)			**ET 221** Programming for Technologists (3 hrs)	
			ECON 201 or **ECON 202** (3 hrs)			**ET 225** Electronics I (3 hrs)	
			ANTH, ECON, POLI SCI, PSYC, ***or*** SOC (3 hrs)			**ET 226** Electronics II (3 hrs)	
			SE 101 or Free Elective (2 hrs) not required of transfer or re-admitted students with 30 hours or more.			**ET 361** Solar Thermal Systems (3 hrs)	
MATH			**MATH 165** Precalculus with Trigonometry (3 hrs)			**ET 363** Photovoltaics (3 hrs)	
			MATH 200 Calculus I (5 hrs)			**ET 365** Power Electronics (3 hrs)	
[1]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 351 Machine Tool Technology IT 444 Computer-Integrated Manufacturing (CIM)						**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)	Tech. Elec.
						[1]Technical Elective (3 hrs)	

LAST UPDATED: 06/05/2017

TOTAL SEMESTER HOURS: 124