

Engineering Technology - COMPUTER 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)	COMPUTER CONCENTRATION (30 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 Electric Circuits II (3 hrs)	
			ECON 201 or ECON 202 (3 hrs)			ET 215 Computer Logic and Organization (3 hrs)	
			ANTH, ECON, POLI SCI, PSYC, <u>or</u> SOC (3 hrs)			ET 221 Programming for Technologists (3 hrs)	
			SE 101 or Free Elective (2 hrs) not required of transfer or re-admitted students with 30 hours or more.			ET 225 Electronics I (3 hrs)	
MATH (10)	Grade	Semester	Minimum Grade of C Required:			ET 320 Microprocessors and Interfacing (3 hrs)	Tech Elec (9 hrs)
			MATH 175 Precalculus with Trigonometry (5 hrs)			ET 325 Digital Electronics (3 hrs)	
			MATH 200 Calculus I (5 hrs)			ET 410 Signals and Systems (3 hrs)	
					ET 425 Control and Automation (3 hrs)		
					¹ Technical Elective (3 hrs)		
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¹Technical Electives can be chosen from:
 CMPS 280 Algorithm Design & Implementation II
 CMPS 294 Internet Programming
 CMPS 329 Computer Networking and Security
 ET 322 Programmable Logic Controllers
 ET 341 Electromagnetics
 ET 365 Power Electronics
 ET 400 Internship
 ET 421 Industrial Electrical Machinery and Controls
 ET 422 Mechatronics Systems
 ET 431 Power Transmission and Distribution
 ET 488 Robotics and Automation