

Engineering Technology - COMPUTER 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)			ET 111 Engineering Graphics (3 hrs)	
			ENGL 230, 231 <i>or</i> 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)	ENGINEERING TECHNOLOGY (33 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)			CMPS 290 Computer Organization (3 hrs) (ONLY A "D" Grade is required)	COMPUTER CONCENTRATION (30 hrs)
			HIST 101, 102, 201, or 202 (3 hrs)			CMPS 297 Digital Logic (3 hrs) (ONLY A "D" Grade is required)	
			COMM 211 Introduction to Public Speaking (3 hrs)			ET 205 Mathematical Methods for Engineering (3 hrs)	
			ECON 201 or ECON 202 (3 hrs)			ET 212 Introduction to Programming (3 hrs)	
			ANTH, ECON, POLI SCI, PSYC, or 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			MATH 165 Precalculus with Trigonometry (3 hrs)			ET 226 Electronics II (3 hrs)	COMPUTER CONCENTRATION (30 hrs)
			MATH 200 Calculus I (5 hrs)			ET 320 Microprocessors and Interfacing (3 hrs)	
¹ Technical Electives can be chosen from: CMPS 280 Algorithm Design & Implementation II CMPS 294 Internet Programming CMPS 329 Computer Networking and Security CMPS 375 Computer Architecture CMPS 431 Operating Systems ET 361 Solar Thermal Systems ET 363 Photovoltaics ET 365 Power Electronics ET 375 Applied Thermodynamics ET 376 Applied Fluid Mechanics ET 381 Engineering Materials ET 400 Internship ET 431 Power Transmission and Distribution ET 433 Wind Turbines ET 488 Robotics and Automation IT 444 Computer Integrated Manufacturing (CIM)						ET 410 Signals and Systems (3 hrs)	Tech. Elec.
						ET 425 Control and Automation (3 hrs)	
						¹ Technical Elective (3 hrs)	
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