

## 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)			<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</b> <i>or</i> <b>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>CMPS 290</b> Computer Organization (3 hrs) (ONLY A "D" Grade is required)	COMPUTER CONCENTRATION (30 hrs)	
			<b>HIST 101, 102, 201, <u>or</u> 202</b> (3 hrs)			<b>CMPS 297</b> Digital Logic (3 hrs) (ONLY A "D" Grade is required)		
			<b>COMM 211</b> Introduction to Public Speaking (3 hrs)			<b>ET 205</b> Mathematical Methods for Engineering (3 hrs)		
			<b>ECON 201</b> <i>or</i> <b>ECON 202</b> (3 hrs)			<b>ET 212</b> Introduction to Programming (3 hrs)		
			<b>ECON, PSYC, ANTH, SOC, <i>or</i> POLI</b> (3 hrs)			<b>ET 221</b> Programming for Technologists (3 hrs)		
			<b>SE 101</b> <i>or</i> <b>Free Elective</b> (2 hrs) not required of transfer or re-admitted students with 30 hours or more.			<b>ET 225</b> Electronics I (3 hrs)		
MATH			<b>MATH 165</b> Precalculus with Trigonometry (3 hrs)			<b>ET 226</b> Electronics II (3 hrs)		
			<b>MATH 200</b> Calculus I (5 hrs)			<b>ET 320</b> Microprocessors and Interfacing (3 hrs)		
<sup>1</sup> Technical Electives can be chosen from: CMPS 329 Computer Networking and Security CMPS 375 Computer Architecture CMPS 431 Operating Systems ET 375 Applied Thermodynamics ET 376 Applied Fluid Mechanics ET 381 Engineering Materials ET 400 Internship ET 488 Robotics and Automation IT 444 Computer Integrated Manufacturing (CIM)						<b>ET 410</b> Signals and Systems (3 hrs)		Tech. Elec.
						<b>ET 425</b> Control and Automation (3 hrs)		
						<sup>1</sup> Technical Elective (3 hrs)		
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