

## Engineering Technology - CONSTRUCTION Concentration

### Bachelor of Science

NAME:

W#:

	Grade	Semester	Minimum Grade of D Required:	Grade	Semester	Minimum Grade of C required:	
<b>ENGLISH (12 hrs)</b>			<b>ENGL 101</b> Freshman Composition (3 hrs)			<b>OSHE 111</b> Introduction to OSHE (3 hrs)	<b>ENGINEERING TECHNOLOGY (31 hrs)</b>
			<b>ENGL 102</b> Critical Reading and Writing (3 hrs)			<b>IT 407</b> Six Sigma Industrial Quality (3 hrs)	
			<b>ENGL 230, 231</b> <i>or</i> <b>232</b> (3 hrs)			<b>ET 100</b> Introduction to Engineering Technology (3 hrs)	
			<b>ENGL 322</b> Intro to Prof and Technical Writing (3 hrs)			<b>ET 111</b> Engineering Graphics (3 hrs)	
<b>NATURAL SCIENCE (15 hrs)</b>			<b>Biology - G BIO 151</b> (3 hrs)			<b>ET 202</b> Computer Applications (3 hrs)	<b>CONSTRUCTION CONCENTRATION (33 hrs)</b>
			<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 490</b> Seminar (1 hr)	
			<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)	
			<b>Physics - PLAB 194</b> Lab (1 hr)			<b>ET 494</b> Senior Design II (3 hrs)	
<b>GENERAL EDUCATION (17 hrs)</b>			<b>ART, DNCE, MUS, or THEA</b> (3 hrs)			<b>ET 132</b> Construction Materials and Methods (3 hrs)	<b>CONSTRUCTION CONCENTRATION (33 hrs)</b>
			<b>HIST 101, 102, 201, or 202</b> (3 hrs)			<b>ET 231</b> Surveying I (3 hrs)	
			<b>COMM 211</b> Introduction to Public Speaking (3 hrs)			<b>ET 244</b> Construction Regulations, Contracts, and Specifications (3 hrs)	
			<b>ECON 201 or ECON 202</b> (3 hrs)			<b>ET 271</b> Engineering Statics (3 hrs)	
			<b>ANTH, ECON, POLI SCI, PSYC, or SOC</b> (3 hrs)			<b>ET 331</b> Commercial Construction Estimating I (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 332</b> Commercial Construction Estimating II (3 hrs)	
<b>MATH (10 hrs)</b>	<b>Grade</b>	<b>Semester</b>	<b>Minimum Grade of C Required:</b>			<b>ET 334</b> Reinforced Concrete Design (3 hrs)	<b>Tech Elec (6 hrs)</b>
			<b>MATH 175</b> Precalculus with Trigonometry (5 hrs)			<b>ET 336</b> Steel Design (3 hrs)	
			<b>MATH 200</b> Calculus I (5 hrs)			<b>ET 441</b> Construction Planning and Scheduling (3 hrs)	
			<sup>1</sup> Technical Electives can be chosen from: DDT 113 Architectural Drafting DDT 215 Light Commercial Building Drafting ET 381 Engineering Materials ET 400 Internship ET 442 Construction Inspection ET 445 Commercial Architecture ET 446 Construction Systems IT 351 Machine Tool Technology OSHE 231 Safety Laws, Regulations, and Standards OSHE 382 Construction Safety OSHE 421 Measurement of Safety Performance and Accident			<b>ET 443</b> Foundation and Soil Mechanics (3 hrs)	<b>Tech Elec (6 hrs)</b>
						<b>ET 448</b> Construction Hydraulics (3 hrs)	
						<sup>1</sup> Technical Elective (3 hrs)	
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