

# Engineering Technology - MECHANICAL 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> <u>or</u> <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)	ENGINEERING TECHNOLOGY (33 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, or THEA</b> (3 hrs)			<b>ET 205</b> Mathematical Methods for Engineering (3 hrs)	MECHANICAL CONCENTRATION (33 hrs)
			<b>HIST 101, 102, 201, or 202</b> (3 hrs)			<b>ET 212</b> Introduction to Programming (3 hrs)	
			<b>COMM 211</b> Introduction to Public Speaking (3 hrs)			<b>ET 271</b> Engineering Statics (3 hrs)	
			<b>ECON 201 or ECON 202</b> (3 hrs)			<b>ET 283</b> Manufacturing Processes (3 hrs)	
			<b>ANTH, ECON, POLI SCI, PSYC, or SOC</b> (3 hrs)			<b>ET 371</b> Engineering Dynamics (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 375</b> Applied Thermodynamics (3 hrs)	
MATH			<b>MATH 165</b> Precalculus with Trigonometry (3 hrs)			<b>ET 376</b> Applied Fluid Mechanics (3 hrs)	MECHANICAL CONCENTRATION (33 hrs)
			<b>MATH 200</b> Calculus I (5 hrs)			<b>ET 381</b> Engineering Materials (3 hrs)	
<sup>1</sup> Technical Electives can be chosen from: ET 400 Internship ET 480 Advanced Strength of Materials ET 484 Advanced Manufacturing Techniques ET 488 Robotics and Automation IT 351 Machine Tool Technology IT 444 Computer Integrated Manufacturing (CIM)						<b>ET 385</b> Mechanical Design (3 hrs)	Tech. Elec.
						<b>ET 386</b> Machines and Control (3 hrs)	
						<b>ET 478</b> HVAC (3 hrs)	
						<sup>1</sup> Technical Elective (3 hrs)	
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