

## Engineering Technology - MECHANICAL 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 - GBIO 151</b> (3 hrs)			<b>ET 202</b> Computer Applications (3 hrs)	<b>ENGINEERING TECHNOLOGY (31 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>GENERAL EDUCATION (17 hrs)</b>			<b>ART, DNCE, MUS, or THEA</b> (3 hrs)			<b>ET 205</b> Mathematical Methods for Engineering (3 hrs)	<b>MECHANICAL CONCENTRATION (33 hrs)</b>
			<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)	
<b>MATH (1)</b>	<b>Grade</b>	<b>Semester</b>	<b>Minimum Grade of C Required:</b>			<b>ET 376</b> Applied Fluid Mechanics (3 hrs)	<b>MECHANICAL CONCENTRATION (33 hrs)</b>
			<b>MATH 175</b> Precalculus with Trigonometry (5 hrs)			<b>ET 381</b> Strength of Materials (3 hrs)	
			<b>MATH 200</b> Calculus I (5 hrs)			<b>ET 385</b> Mechanical Design (3 hrs)	<b>Tech Elec (6 hrs)</b>
					<b>ET 425</b> Control and Automation (3 hrs)		
					<b>ET 478</b> HVAC (3 hrs)		
					<sup>1</sup> Technical Elective (3 hrs)		
					<sup>1</sup> Technical Elective (3 hrs)		
<sup>1</sup> Technical Electives can be chosen from: ET 322 Programmable Logic Controllers ET 362 Solar Thermal Systems ET 400 Internship ET 422 Mechatronics Systems 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)							