

# Bachelor of Science in Engineering Technology

## Major in Global Manufacturing Systems Engineering Technology

Semester 1 17 credits	Semester 2 17 Credits	Semester 3 16 Credits	Semester 4 16 Credits	Semester 5 17 Credits	Semester 6 17 Credits	Semester 7 16 Credits	Semester 8 17 Credits
<b>SET 100</b> First-Year Seminar (0)	<b>SET 100</b> First-Year Seminar (0)	<b>SET 200</b> Prof Dev Seminar (0)	<b>ECT 110</b> Electrical Circuits I (3)	<b>MCT 336</b> Fluid Power (3)	<b>IET 323</b> Project Management (3)	<b>IET 317</b> Industrial Economics (3)	<b>MFG 490</b> Senior Design Project (3)
<b>EGR 100</b> Enrichment Workshop (0)	<b>EGR 100</b> Enrichment Workshop (0)	<b>MCT 111L</b> Introduction to Design (2)	<b>ECT 110L</b> Electrical Circuits I Lab (1)	<b>MCT 336L</b> Fluid Power Lab (1)	<b>SET 400</b> Seminar (1)	<b>IET 316</b> Quantitative Methods (3)	<b>MFG 427</b> CIM & Global Mfg (3)
<b>MCT 110L</b> Tech Drawing & CAD (2)	<b>SET 153L</b> Technical Computation (1)	<b>MFG 208L</b> Geometric Dim & Tolerance (1)	<b>SET 200</b> Prof Dev Seminar (0)	<b>MCT 313</b> Industrial Mechanisms (3)	<b>MFG 431</b> Automation Controls (3)	<b>MFG 438</b> Sustain Mfg & Prod Design (3)	<b>ECT 408</b> Data Acquisition & Measure (2)
<b>MTH 137</b> Calculus I With Review 1 (4)	<b>MTH 138</b> Calculus I With Review 2 (4)	<b>IET 408</b> Lean Management (3)	<b>IET 318</b> Statistical Process Cntrl (3)	<b>MFG 434</b> Robotics & CNC (3)	<b>Language</b> Requirement (4)	<b>Language</b> Requirement (4)	<b>Advanced PHL/REL (Ethics)</b> (3)
<b>MFG 108L</b> Mfg Processes Lab (1)	<b>EGR 103</b> Engineering Innovation (2)	<b>MCT 220</b> Statics & Dynamics (3)	<b>MFG 240</b> Mfg Product Design (3)	<b>PHY 201</b> General Physics I (3)	<b>TECH EL</b> (3)	<b>Advanced PHL/REL</b> (3)	<b>Art Study</b> (3)
<b>CHM 123</b> General Chemistry (3)	<b>MFG 204</b> Materials & Processes (3)	<b>MFG 206L</b> Dimensional Metrology (1)	<b>MCT 221</b> Strength of Materials (3)	<b>PHY 201L</b> General Phys I Lab (1)	<b>SSC 200</b> (3)	<b>Advanced Historical Studies</b> (3)	
<b>CHM 123L</b> General Chem Lab (1)	<b>MFG 204L</b> Materials & Proc Lab (1)	<b>MTH 207</b> Introduction to Statistics (3)	<b>ENG 200</b> Writing Seminar II (3)	<b>MFG 432</b> Plastic, Comp, Nano Matrls (3)			
<b>ENG 100</b> Writing Seminar I (3)	<b>PHL 103</b> Introduction to Philosophy (3)	<b>CMM 100</b> Principles of Oral Comm. (3)					
<b>REL 103</b> Introduction to Religion (3)	<b>HST 103</b> The West & The World (3)						

**KEY**

<span style="border: 1px solid black; padding: 2px;">CAP Common</span>	<span style="background-color: #FFC0CB; border: 1px solid black; padding: 2px;">Math</span>	<span style="background-color: #FFFFE0; border: 1px solid black; padding: 2px;">Technical Elective</span>	See reverse for course prerequisites.  Consult academic advisor for selection of approved common academic program (CAP) and technical elective courses.
<span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;">CAP Electives</span>	<span style="background-color: #C8E6C9; border: 1px solid black; padding: 2px;">Science</span>	<span style="background-color: #FFD700; border: 1px solid black; padding: 2px;">ET Core</span>	
----- Corequisite or concurrent			

