

# MANUFACTURING ENGINEERING TECHNOLOGY, B.S.

## Major in Manufacturing Engineering Technology

Code	Title	Hours
CORE REQUIREMENTS		54
AENG 130	Production Materials & Processes	
AENG 241	Drafting Communications	
AENG 261	Electronic Systems	
AENG 262	Semiconductor Electronics	
AENG 271	Processing Nonmetallic Materials	
AENG 281	Processing Metallic Materials	
AENG 325	Power Conversion and Control	
AENG 326	Fluid Power	
AENG 342	Computer-Aided Engineering Drawing	
AENG 344	Product Design	
AENG 345	Statics/Strength of Materials	
AENG 375	Polymer and Ceramic Technology	
AENG 382	Automated Manufacturing	
AENG 425	Industrial Robotic Systems	
AENG 427	Programmable Logic Controllers	
AENG 448	Machine Tool Design	
AENG 492	Technical Entrepreneurship	
AENG 494	Total Quality Management	
DIRECTED ELECTIVES - Choose 1 class for at least 3 hours from:		3
AENG 300	Co-Op Ed Experience in AENG	
AENG 376	Woodworking Technology	
AENG 392	Intro to Industrial Training	
AENG 400	Co-Op Ed Experience in AENG	
AENG 446	Advanced Applications in Drafting and Design	
AENG 467	Mobile Robotics	
<b>Total Hours</b>		<b>57</b>

## Req Related for Manufacturing Engineering Tech

Code	Title	Hours
MATH 161	Calculus 1	4
Survey of Statistics		3
MATH 130	Elements of Statistics 1	
Physics I with Algebra - Choose 1 of the following:		4-5
PHYS 131	Physics 1 with Algebra	
PHYS 231	Physics 1 with Calculus	
Physics II with Algebra - Choose 1 of the following:		4-5
PHYS 132	Physics 2 with Algebra	
PHYS 232	Physics 2 with Calculus	
CHEM 111	Introductory Chemistry 1	4
<b>Total Hours</b>		<b>19-21</b>