

MANUFACTURING ENGINEERING TECHNOLOGY

**BACHELOR OF SCIENCE
IN
MANUFACTURING ENGINEERING TECHNOLOGY
TARLETON STATE UNIVERSITY**

ACADEMIC FOUNDATIONS

<u>Course Number</u>	<u>Course Title</u>	<u>Hours</u>
English 111, 112	Rhetoric and Composition	6
English Literature	Sophomore Literature	3
Communications 101, 102, or 301	Fund of Speech, Public Speaking or Bus and Prof. Speech	3
History 201, 202	History of the United States	6
Political Science 201, 202	American National and Texas Government	6
Chemistry 105*	College Chemistry	4
Physics 122*	Principles of Physics I	4
Math 107 or 118	College Algebra or Pre-Calculus	3
Math 109 if Pre-Calculus not taken	Plane Trigonometry	3
Math 120	Calculus I	4
Math 209	Calculus II	4
Math 300 or GB 311	Statistics	3
CS 110 or CIS 110	Introduction to Computer Science	3
Visual or Performing Arts	Select from Approved Visual Arts List	3
Social & Behavioral Science	Select from Approved Behavioral Sciences	3
Elective	List	
Approved Electives	Select from Approved Electives List	6
Approved Advanced Elective	Select from Approved Electives List	3
Wellness	Health, Physical Education, Military Science, or Marching Band	2

***Required for Major** **Hours =69**

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I T 105	Principles of Drafting	3
I T 117	Metals Technology	3
MET 216	Introduction to Manufacturing Systems	3
I T 235	Solid Modeling	3
I T 303	Industrial Materials	3
ENGR 303	Engineering Economy	3
I T 318	Research and Reporting for Technologists	3
I T 324 or 325	Thermoplastic or Thermoset Plastic Processing	3
MET 326	Ergonomics and Work Methods	3
MET 336	Industrial Controls	3

I T 350	Numerical Control Systems	3
MET 386	Quality management	3
MET 426	Computer Simulation	3
MET 436	Production Planning	3
MET 446	Manufacturing Management	3
MET 476	Automated Systems	3
I T 495	Engineering Technology Projects	3
		Hours =51
		<u>TOTAL HOURS REQUIRED =120</u>

APPROVED ELECTIVES LIST: Any course from Industrial Technology, Engineering, CS, CIS, Accounting, Finance, Management, Marketing, General Business, Math, Physics, Chemistry, Environmental Science, foreign language