

**GENERAL INDUSTRIAL TECHNOLOGY  
EMPHASIS AREA  
BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY  
TARLETON STATE UNIVERSITY**

The General Industrial Technology Emphasis Area provides a broad range of experiences designed to produce the maximum flexibility upon entering the workforce. A broad range of courses is used to introduce the maximum number of concepts in all areas of manufacturing. Students may choose any minor that will complement their interests.

**ACADEMIC FOUNDATIONS**

<b><u>Course Number</u></b>	<b><u>Course Title</u></b>	<b><u>Hours</u></b>
English 111, 112	Rhetoric and Composition	6
English Literature	Sophomore Literature	3
Communications 101, 102, or 301	Fund of Speech, Public Speaking or Business and Prof. Speech	3
History 201, 202	History of the United States	6
Political Science 201, 202	American National and Texas Government	6
Lab Science	Biology, Chemistry, Physics, or Geology	7
Math 107	College Algebra	3
Math 109	Plane Trigonometry	3
Visual or Performing Arts	Select from Approved List	3
Social & Behavioral Science	Select from Approved List	3
Elective		
Wellness	Health, Physical Education, Military Science or Marching Band	2
	<b>Hours=</b>	<b>45</b>

**GENERAL INDUSTRIAL TECHNOLOGY SUPPORT AREA**

I T 105*	Principles of Drafting	3
I T 106	Power Transfer Technology	3
I T 117*	Metals Technology	3
I T 235*	Solid Modeling	3
MET 216	Introduction to Manufacturing Systems	3
I T 303*	Industrial Materials	3
I T 317*	Machine Tool Technology	3
I T 318	Research and Reporting for Technologists	3
I T 320	Industrial Safety	3
I T 324*	Thermoplastic Processing	3
MET 336	Industrial Controls	3
I T 345	Industrial Design	3
I T 350*	Numerical Control Systems	3
I T 495	Integrated Manufacturing Technology Experience	3
Advanced T or MET Electives	Select from Approved List	9

Hours = 51

**MINOR or ELECTIVES**

General Electives	Any course from any discipline	6
Electives or Minor Courses	Minors are optional but are strongly	6
Advanced Electives or Minor Courses	recommended. If a minor is desired, it may be chosen from any field other than Industrial Technology or Manufacturing Engineering Technology.	12

Hours = 24

\* Industrial Technology Core Courses

**TOTAL HOURS REQUIRED =120**