

MANUFACTURING OPERATIONS

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

This Emphasis Area provides an expanded minor in business administration that includes courses in accounting, management, statistics, business law and international business. Additional courses in manufacturing management, productivity, and quality management provide an excellent combination of business and manufacturing concepts.

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 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 Elective	Select from Approved List	3
Wellness	Health, Physical Education, Military Science or Band	2
	Hours =	45

MANUFACTURING OPERATIONS SUPPORT AREA

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
I T 317*	Machine Tool Technology	3
I T 318	Researching and Reporting for Technologists	3
I T 320	Industrial Safety	3
I T 324*	Thermoplastic Processing	3
I T 345*	Industrial Design	3
I T 350*	Numerical Control Systems	3
MET 386	Quality Management	3
MET 446	Manufacturing Management	3
I T 495*	Integrated Manufacturing Technology Experience	3
ENGR 303	Engineering Economy	3

I T or MET Electives 6
Hours = 51

BUSINESS ADMINISTRATION COURSES

General Elective	Any course from any discipline	6
Accounting 203	Intro to Financial Accounting	3
G B 311 or MATH 300	Statistics	3
G B 432	Business Law I	3
G B 444	Introduction to International Business	3
Management 301	Principles of Management	3
Management 303	Supervisory Management	3
	Hours =	24

* Industrial Technology Core
Courses

TOTAL HOURS REQUIRED=120