

Manufacturing and Industrial Management

Degree Requirements - Emphasis Area Spring 2014

Bachelor of Applied Arts and Sciences in Manufacturing and Industrial Management

Name: _____ ID #: _____ Date Prepared: _____

Catalog Year: _____ Transfer College Work: _____

Course Number	Course Title	Required Hours	Hours Taken	Hours To Take
English 1301	Rhetoric and Composition I	3		
English 1302	Rhetoric and Composition II	3		
Speech 1311, 1315, or 1321	Communications - Select from Approved List	3		
Math 1314	College Algebra	3		
Lab Science	Biology, Chemistry, Physics or Geology	4		
Lab Science	Biology, Chemistry, Physics or Geology	4		
English Literature or PHIL 1301	Sophomore Literature or Introduction to Philosophy	3		
Visual & Performing Arts	Select from Approved List	3		
History 1301	United History I	3		
History 1302	University History II	3		
Government 2305	Federal Government	3		
Government 2306	Texas Government	3		
Social & Behavioral Science	Select from Approved List	3		
First Year Experience	FYS/ALF course or PSYC/EDUC 1100/1200/1300	1		
	Subtotal Core Curriculum	42		
Common Courses				
ENGT 3303	Industrial Materials			
ENGT 3318	Research and Reporting for Technologists	3		
ENGT 3395	Project Management	3		
MATH 1316	Plane Trigonometry	3		
Advanced ENGT Course	3000 or 4000 level ENGT Course	6		
Advanced Electives	3000 or 4000 level course	12		
Select either Industrial Management or Safety Management Option		Total	30	
Industrial Management Option				
ENGT 3386	Quality Management	3		
ENGT 4336	Production Planning	3		
ENGT 4346	Manufacturing Management	3		
ENGT 4376	Automated Manufacturing Systems	3		
	Subtotal Curriculum	12		
Safety Management Option				
ENGT 3320	Industrial Safety	3		
ENGT 3326	Ergonomics & Work Methods	3		
ENGT 3330	Product and Consumer Safety	3		
ENGT 4320	Occupational Safety and Health	3		
	Subtotal Curriculum	12		
Technology Courses and/or Military or Employer Sponsored Training (12-36 hours) Work Experience (0-21 hours)				
	Subtotal Occupational Specialization	36		
	Total Hours Required	120		

BAAS Specifications

- No more than 68 hours of academic hours can be accepted from Community Colleges and / or Technical Schools. THIS DOES NOT INCLUDE TECHNICAL COURSES APPLIED TOWARD THE MANUFACTURING AND INDUSTRIAL MANAGEMENT (MIM) SPECIALIZATION.
 - 15 Clock Hours = 1 semester hour credit
 - 1 CEU = 10 clock hours
 - 1 year experience = 4 semester hour credits
 - Quarter hours x 2/3 = semester hours
- Must have at least 33 hours occupational specialization to qualify. (May use 21 hours work experience and 12 hours technical training or any combination to get 33 hours.)
- Must take 15 additional hours in IT or MET classes at Tarleton to get the 48 hours required.
- Must have a minimum of 32 hours at TSU for residence requirement; 24 hours must be advanced.
- Must have a minimum of 36 advanced hours for graduation

General Education Requirements

All degree programs leading to the baccalaureate degree include the following University General Education Requirements (which are subject to review and change by the Texas Higher Education Coordinating Board). Some degree programs specify the courses that satisfy these requirements. A student should consult with an academic advisor in selecting general education requirement courses.

3 hours Communications (1311, 1315, 1321)

6 hours English* (1301, 1302)

3 hours Math* (1314)

7 hours Lab Sciences (from CHEM, BIOL, GEOL, PHYS)

3 hours Visual & Performing Arts (ART, FA, IT, MUSC, THEA)

(Visual and performing arts course must be historical, appreciative, or theoretical in nature; it may not be an applied or performance course.)

(ARTS 1301, ARTS 1303, ARTS 1304, HUMA 1315, MUSI 1300, DRAM 1310, DRAM 2361, DRAM 2362)

3 hours Humanities (Literature course in English or PHIL 1301)

15 hours Social & Behavioral Sciences

6 hours History (HIST 1301, 1302); 6 hours Political Science (GOVT 2301, GOVT 2302, GOVT 2305, GOVT 2306);

3 additional hours from (SOC 1301, SOC 13065, PSYC 2301, PHIL 2303, ECON 1301, ECON 2301, GEOG 1303, HIST 2311, HIST 2312)

2 hours Wellness (HLTH, PED, MS, ANSC, MUSC)

42 hours Required for Core Curriculum

*Students must enroll in these courses as outlined in the Placement & Continuing Enrollment Rules for Freshman-level Mathematics & English Courses.

Online Engineering Technology Classes

Select classes from either option

Industrial Management Option

ENGT 3386 Quality Management

ENGT 4336 Production Planning

ENGT 4346 Manufacturing Systems Management

ENGT 4376 Automated Manufacturing Systems

Safety Management Option

ENGT 3320 Industrial Safety

ENGT 4320 Occupational Safety & Health

ENGT 3330 Product & Consumer Safety

ENGT 3326 Ergonomics and Work Methods

Required Writing Intensive Classes

ENGT 3318 Research & Reporting for Technologists

ENGT 3303 Industrial Materials