

**MCC/TSTC/Tarleton Bachelor of Applied Arts and Science
Industrial Occupations Specialization
Engineering Technology**

Take at MCC, as an MCC Student:

***The MCC Core Curriculum:**

English 1301	3 hours
English 1302 or ENGL 2311	3 hours
Math 1314 or higher (MATH 1314 is recommended)	3 hours
2 Lab Sciences (Biology, Chemistry, Physics, or Geology recommended)	8 hours
Sophomore literature course or PHIL 1301 (literature course is recommended)	3 hours
Visual/Performing Arts course from MCC Core Curriculum (Chart I)	3 hours
Humanities & Visual/Performing Arts course from MCC Core Curriculum (Chart II)	3 hours
History 1301 and 1302	6 hours
Government 2305 & 2306	6 hours
Psychology 2301 or Sociology 1301	3 hours
One Additional Social/Behavioral Science course from MCC Core Curriculum (<i>*either Sociology 1301 or Philosophy 1301 is recommended</i>)	3 hours
Speech 1311, 1315, 1318 or 1321, or COMM 1307, or a SPAN or FREN course	<u>3 hours</u>
Total Core Curriculum Requirements	47 hours

*** The student must choose to complete either the MCC Core Curriculum listed above OR the Tarleton Core Curriculum. Please see advisor for clarification.**

To be taken at MCC In Addition to the Core:

MATH 1316 Trigonometry	<u>3 hours</u>
Total Additional MCC Requirements	3 hours

Occupational Specialization taken at TSTC:

Occupational Specialization**	
**Any AAS degree program from Computer/Graphics, Engineering Technologies, or Transportation & Services Clusters.	
***NOTE: A maximum of 19 semester hours can be awarded for work experience directly related to the Occupational Specialization to fill in for those degrees requiring fewer than 36 semester hours of Technology Courses.	
Total Occupational Specialization	36 <u>hours</u>

Engineering Technology Curriculum Requirements to be taken with Tarleton State University

Research and Reporting for Technologists	IT 318 *	3 hours
Industrial Materials	IT 303*	3 hours
Industrial Safety	IT 320*	3 hours
Ergonomics and Work Methods	MET 326*	3 hours
Quality Management	MET 386*	3 hours
Computer Simulation	MET 426*	3 hours
Production Planning	MET 436*	3 hours
Manufacturing Management	MET 446*	3 hours
Automated Manufacturing Systems	MET 476*	<u>3 hours</u>
Total Engineering Technology Requirements		27 hours

***Industrial Occupations Specialization, Engineering Technology
(continued)***

Advanced Non IT or MET Electives to be taken with Tarleton State University

Complete four courses among the following:

Business Statistics	GB 311**	
Business Law I	GB 432**	
Business Law II	GB 443**	
International Business	GB 444**	
Principles of Management	MGMT 301**	
Business Ethics	MGMT 407**	
Pers/Human Resource Management	MGMT 302**	
Techniques of E-Business	CIS 479*	12 hours
Total Advanced Non IT or MET Elective Requirements		12 hours

**** Course is offered wholly online or primarily online***

***** Course is offered online or through classroom instruction***

Total Program Hours:

120-125 hours

Total Advanced Hours:

39 hours

***For more information, contact Dr. Lewis Snell,
Director of the University Center at MCC, at
(254) 299-8378 or lsnell@mclennan.edu***