



Manufacturing Engineering Technician Certificate

2018–2019

DESCRIPTION:

Manufacturing Engineering Technicians play an important role in the production process. They are responsible for assembling various components into subassemblies and combining multiple subassemblies into finished goods. Changes in technology have transformed the manufacturing and assembly process overall. Automated manufacturing systems now use robots, computers, programmable motion control devices, and various sensing technologies. These systems change the way in which goods are made and affect the jobs of those who make them. Manufacturing Engineering Technicians must be able to work with these new technologies and be comfortable using them to produce goods. Careful quality control is important so technicians can fix problems before defective products are produced.

ADMISSION REQUIREMENTS:

This is a non-selective, open-admission program. Students must have a high school diploma or G.E.D. equivalency.

ONGOING REQUIREMENTS:

Students must maintain the minimum overall GPA required by the College.

OPPORTUNITIES FOR CERTIFICATE COMPLETERS:

Career:

The Manufacturing Engineering Technician certificate qualifies students to get entry-level jobs in manufacturing. Manufacturing Engineering Technicians are involved in manufacturing all kinds of products, from consumer goods to industrial equipment.

Transfer:

Courses taken in the Manufacturing Equipment Technician Certificate can be applied toward an associate degree in an Engineering Technology program.

CERTIFICATE REQUIREMENTS (MANUFACTURING ENGINEERING TECHNICIAN CERTIFICATE):

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
ENGT1115 Engineering Graphics	AU/SP/SU	3	• ENGT 1115 is a prerequisite for all CAD classes in the Mechanical Engineering Technology Major.
MECH1150 Manufacturing Materials & Processes	AU/SU	3	
Semester Credits		6	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
ITST1101 Industrial Applications and Software	AU/SP	2	• Certificate is achieved.
MECH1240 Machine Tools	AU/SP/SU	3	
MECH2215 Parametric CAD	AU/SP/SU	3	
Semester Credits		8	
Total		14	

*AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester
Requirements subject to change.*