South Central College
Program Design

CERT 2259/3286 Manufacturing Production Technology

Program Information

Description

This entry-level certificate introduces students to production technologies and information to start on a manufacturing career pathway. Additionally, students are given opportunities to enhance or develop important work-place knowledge and skills in the areas of communication and math.

Program Student Learning Outcomes

1   Identify appropriate safety procedures and apply them in a manufacturing setting.

2   Apply specific manufacturing process procedures.

3   Identify specific quality procedures.

4   Identify maintenance processes and procedures.

5   Explain the coordination of industry safety programs.

Program Configurations

Fall 2022

Credits

Technical Course	16
Total Credits	**16**

Semester 1

Course #	Course Title	Credits	Function
CMAE 1514	**Safety Awareness**	2	Technical Course
CMAE 1518	**Manufacturing Process and Production**	2	Technical Course
CMAE 1522	**Quality Practices**	2	Technical Course
CMAE 1526	**Maintenance Awareness**	2	Technical Course
CMAE 1528	**Career Success Skills**	1	Technical Course
MATH 1050	**Mathematics for Technical Careers**	3	Technical Course
OTEC 1001	**Computer Software for College**	2	Technical Course

CMAE 1512	**Introduction to Manufacturing**	2	Technical Course

Program Course List

Number	Title	Credits	Pre/Corequisites
CMAE 1512	**Introduction to Manufacturing**	2	None
CMAE 1514	**Safety Awareness**	2	None
CMAE 1518	**Manufacturing Process and Production**	2	None
CMAE 1522	**Quality Practices**	2	None
CMAE 1526	**Maintenance Awareness**	2	None
CMAE 1528	**Career Success Skills**	1	None
MATH 1050	**Mathematics for Technical Careers**	3	A score of at least 56 on the Arithmetic portion of the Accuplacer test.
OTEC 1001	**Computer Software for College**	2	None