

INDUSTRIAL OPERATIONS, SC

PSLO3: Students will define and explain foundational concepts related to the manufacturing field and how they apply to production roles.

Program Description

This program aims to prepare students who will be entering the field of automation and manufacturing with little to no background in the subject. Foundational concepts that underscore the directives of modern manufacturing enterprises at all levels, with special attention to those at the production level, are covered in detail. Upon completion of this program, students should be prepared to take on entry-level production roles in a manufacturing facility.

This program is not eligible for financial aid. However, it might be eligible for scholarship funding if the student is awarded scholarships.

Recommended Course Schedule

1st semester		Units
MPT 101	Basics of Operations and Maintenance	3
MPT 110	Automated Production Concepts I	3
MPT 111	Fundamentals of Manufacturing and Automation I	3
Semester Total		9
Total Units		9

Program Requirements

Skills Certificates can consist of a single course or a short set of courses that provide training for entry-level positions or career advancement. These short-term certificates may also prepare students to take state, national and/or industry-recognized certifications or licensing exams.

Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester. Students cannot declare a skills certificate as one's major. Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0.
2. Have no financial or library obligation to the college.

Code	Title	Units
Certificate Requirements		
MPT 101	Basics of Operations and Maintenance	3
MPT 110	Automated Production Concepts I	3
MPT 111	Fundamentals of Manufacturing and Automation I	3
Total Units		9

Program Outcomes

Students completing the certificate will:

PSLO1: Students will operate and troubleshoot automated machinery.

PSLO2: Students will define and explain terms related to the concept of industry 4.0.