

The certificate of proficiency and the technical certificate programs give the student the opportunity to earn certificates while completing steps toward an Associate of Applied Science degree.

2022-2023



**CERTIFICATE OF PROFICIENCY PLAN
MECHATRONICS (BASIC MANUFACTURING)**

Degree Code: 0016; CIP Code: 15.0303

A Certificate of Proficiency may be awarded to students who have demonstrated mastery of skills and knowledge against specified performance standards in a specific area or discipline.

ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR ALL FEES AND CHARGES ASSOCIATED WITH THIS CERTIFICATE.

The program of study can be a stand-alone program or part of a technical certificate or associate degree curriculum and is designed to enhance a person's skill set to make him/her more productive and marketable.

Student Learning Outcomes for CP Mechatronics (Basic Manufacturing) Program

1. Students will comprehend and communicate using standard technical and engineering terminology.
2. Conduct standard tests, measurements, and experiments using appropriate instruments, settings, and tools where necessary.
3. Demonstrate basic computer skills, navigation, and software skills related to control systems.

Name: _____
Advisor: _____

Date: _____
Student ID# _____

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
Mechatronics Content (16 credit hours)			
TECH 1004	Introduction to Mechatronics	4	_____
TECH 1404	AC/DC Electronics	4	_____
TECH 2314	Programmable Logic Controllers	4	_____
TECH 2424	Hydraulic and Pneumatic Systems	4	_____

Program Total 16 Hours