

PROCESS CONTROL TECHNOLOGY, CERTIFICATE OF PROFICIENCY (PCT1)

Effective: Spring 2016

This certificate is designed to provide students with the necessary skills and knowledge to seek employment as Process Operators/Technicians in automated manufacturing and production facilities. The program provides students with an introduction to the concepts, theory, principles, and technical demands, as well as the hazards, and accident prevention aspects associated with the operation of processing equipment.

Program Outcomes

Upon successful completion of this program, students should be able to:

- Demonstrate knowledge of the monitoring and maintenance of processing systems.
- Demonstrate knowledge of troubleshooting processes.
- Demonstrate effective verbal and written communication skills.
- Apply knowledge of mathematics and science to solving process control problems.
- Demonstrate knowledge of safety practices and regulatory compliance.
- Demonstrate an understanding of the job responsibilities of various positions of employment within the processing industries.

Full-Time Academic Plan

The College will award a certificate of proficiency to students who complete 30 credits of an approved career program. These credits will not normally include physical education, developmental, basic and/or continuing education courses and will usually consist of 24 credits in the career specialty and six credits in general education. At least 15 of the credits must be earned at Delaware County Community College. The student must have a cumulative GPA of 2.0 or higher.

First Semester	Hours
PCT 100 Plant Equipment	3
PCT 101 Introduction to Process Technology	4
PCT 110 Safety, Health and the Environment	3
MAT 128 Algebra	4
Hours	14
Second Semester	Hours
TCC 111 Technical Communications	3
CHE 101 Introduction to General Chemistry	4
MAT 151 College Algebra	4
Hours	11
Third Semester	Hours
PCT 111 Process Control I	4
PCT 115 Process Control II	4
PCT 120 Unit Operations	4
Hours	12
Total Hours	37

Part-Time Academic Plan

Code	Title	Hours
First Semester		
PCT 100	Plant Equipment	3
PCT 101	Introduction to Process Technology	4
PCT 110	Safety, Health and the Environment	3
Second Semester		
PCT 111	Process Control I	4
PCT 115	Process Control II	4
PCT 120	Unit Operations	4
Third Semester		
MAT 128	Algebra	4
TCC 111	Technical Communications	3
Fourth Semester		
CHE 101	Introduction to General Chemistry	4
MAT 151	College Algebra	3-4
or MAT 120	Modern College Mathematics	
or MAT 121	Introduction to Probability and Statistics	
or MAT 135	Business Precalculus	
Total Hours		36-37

Career