

INDUSTRIAL PRODUCTION TECHNICIAN, CERTIFICATE OF PROFICIENCY (IPT)

Effective: Fall 2010

This program is designed to provide the student with skills and knowledge relevant for preparation and advancement within entry-level positions of employment as production workers, operators, helper trainees, or helpers in varied fields of employment in industry. The program is structured to also afford a currently employed student/worker (as well as employers) with a means for developing an opportunity to explore new job responsibilities, as well as to enhance current job skills and knowledge within a company. This effort will be designed to provide an opportunity for the individual to be better prepared to avail themselves of career advancement opportunities as they are encountered. The program provides for a formalized integration of collegiate level course work and at the same time, compliments this education with formalized College Sponsored Experienced Learning (CSEL) "on-the-job" (OJT) learning/training. Experiential learning will consist of a formally structured training plan, having been developed with a respective employer and, an appropriately identified college advisor, as well as the student.

Program Outcomes

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

- Assimilate personal and diverse group job assignment activities in a meaningful way, for personal and work related decision making.
- Combine classroom learning with OJT experiences in order to become a more effective and efficient worker, as well as to demonstrate an ability to learn on the job; and, apply progressive thinking.
- Establish personal and workplace objectives and develop a personal plan for goals attainment within the workplace.
- Identify/utilize basic materials, tools, equipment and processes relevant to job completion.
- Discuss aspects of workplace health, safety and the environment.
- Demonstrate note taking techniques, applicable to specific workplace skills and knowledge.
- Complete written reports and record-keeping activities, to include job related observations and evaluations.
- Perform basic mathematical calculations relevant to problem solving in industry.
- Relate varied processes typically found in an industrial production/manufacturing environment.

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 50 percent of the credits must be earned at Delaware County Community College. The student must have a cumulative GPA of 2.0 or higher. At least six credit hours must be in courses that are awarded grade points.

First Semester		Hours
BUS 246	Teamwork	3
ENG 100	English Composition I	3
INT 100	Student Success	3
MAT 128	Algebra	4
MTT 199	Machine Tool Internship (3 credits)	3
Hours		16
Second Semester		
MTT 108	Mathematics for Occupational Technologies	3
MTT 213	Manufacturing Processes	3
PCT 110	Safety, Health and the Environment	3
TCC 111	Technical Communications	3
TME 115	Basic Technical Skills	3
MTT 199	Machine Tool Internship (3 credits)	3
Hours		18
Total Hours		34

Part-Time Academic Plan

Code	Title	Hours
First Semester		
INT 100	Student Success	3
PCT 110	Safety, Health and the Environment	3
MTT 190	Machine Tool Internship (1 credit)	1
Second Semester		
TME 115	Basic Technical Skills	3
ENG 100	English Composition I	3
MTT 190	Machine Tool Internship (1 credit)	1
Third Semester		
MTT 108	Mathematics for Occupational Technologies	3
TCC 111	Technical Communications	3
MTT 190	Machine Tool Internship (1 credit)	1
Fourth Semester		
MAT 128	Algebra	4
MTT 213	Manufacturing Processes	3
MTT 190	Machine Tool Internship (1 credit)	1
Fifth Semester		
BUS 246	Teamwork	3
MTT 190	Machine Tool Internship (1 credit)	1
Sixth Semester		
MTT 190	Machine Tool Internship (1 credit)	1
Total Hours		34

Career