

Production Technician

Certificate – 33 credit hours

Purpose: Manufacturing and production-based businesses are coming back to the United States. The Production Technician degree will prepare students for all basic entry level positions in any manufacturing/production environment. Well-educated, professionally curious production technicians are needed in all aspects of industry to operate and maintain the equipment that makes the products needed around the world.

Career Opportunities: Career opportunities include production employees in agriculture, boat building, paper making, bottling plants, condiment plants and other production/manufacturing facilities. Focus areas include production and operations, planning and expediting, and machine operators.

Program Education Outcomes: Upon completion of this degree, the graduate is prepared to understand basic chemical processes used in production processes, communicate effectively orally and in writing, use computers in a business setting, perform first line supervision, and understand quality, maintenance, and processing techniques. Graduates will also be prepared to sit for the Certified Production Technician (CPT) industry credential exam from the Manufacturing Skills Standards Council (MSSC).

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Course #	Course Title	Credits
Semester 1		
CHY110	Fundamentals of Chemistry with Lab	4
ENG101	College Composition	3
FYE100	First Year Experience	1
MFG101	Safety	2
MFG110	Process and Production	3
TEC121	Introduction to Computer Applications	3
	Total	16
Semester 2		
BUS230	Supervisory Management	3
MAT106	College Math for Technologies	3
MFG120	Quality Practices and Management	3
MFG125	Maintenance Awareness	3
MFT210	Green Production	2
	General Elective	3
	Total	17

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Associate in Applied Science – 61 credit hours

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Career Opportunities: Career opportunities include production employees in agriculture, boat building, paper making, bottling plants, condiment plants and other production/manufacturing facilities. This level of education exposes student's electrical, mechanical, ethical reasoning, and provides opportunities to explore welding, drafting, and statistics. Focus areas include production and operations, planning and expediting, and machine operators. Some graduates may move into computer-controlled machine tool operations (CNC) and the metals and plastics industries.

Program Education Outcomes: Upon completion of this degree, the graduate is prepared to understand basic chemical processes used in production processes, communicate effectively orally and in writing, use computers in a business setting, perform first line supervision, and understand quality, maintenance, and processing techniques. Graduates will also be prepared to sit for the Certified Production Technician (CPT) industry credential exam.

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Associate in Applied Science – 61 credit hours

Course #	Course Title	Credits
Semester 1		
CHY110	Fundamentals of Chemistry with Lab	4
FYE100	First Year Experience	1
MAT106	College Math for Technologies	3
MFG101	Safety	2
MFG110	Processes and Production	3
TEC121	Introduction to Computer Applications	3
	Total	16
Semester 2		
BUS140	Accounting Principles I	3
BUS230	Supervisory Management	3
ENG101	College Composition	3
MFG120	Quality Practices and Measurement	3
MFG125	Maintenance Awareness	3
	Total	15
Semester 3		
BIO120	General Biology with Lab	4
ENG107 or ENG210	Speech or Technical Writing	3
PHI114	Environmental Ethics	3
TEC150	Electronic Principles I	3
Arts/Humanities/ Social Science Elective		3
	Total	16

Semester 4		
MAT127	College Algebra	3
MFG210	Green Production	2
TEC151	Electronic Principles II	3
Arts/Humanities/ Social Science Elective		3
General Elective		3
	Total	14