

INDUSTRIAL PRODUCTION TECHNOLOGY

Program Description

The entire Advanced Manufacturing Technology program consists of four exit points including a Certificate of Proficiency in Manufacturing Principles, a Technical Certificate in Industrial Production Technology, a more advanced Technical Certificate in Advanced Manufacturing Technology and an Associate of Applied Science in Advanced Manufacturing Technology degree. All core courses have been created based on the demand of businesses and industries.

The program length for a full-time student in the Industrial Production Technology technical certificate is two (2) semesters and one (1) summer term. The program costs are approximately \$3,500 for tuition and fees and approximately \$1,050 for books and supplies.

Student Learning Outcomes

Upon successful completion of this technical certificate program a student should be able to:

- Perform entry-level manufacturing jobs with a basic foundational knowledge of safety, plant processes, and advanced industrial mathematics.
- Demonstrate competencies in beginning levels of industrial production to include basic electricity, equipment, print reading, and precision measurement.
- Demonstrate a value for and knowledge of applications of quality management and lean management.

GRADUATION REQUIREMENTS

(Suggested Schedule)

		<u>Fall Semester</u>	Credit Hours
IPT	1013	Introduction to Manufacturing	3
IPT	1022	Industrial Safety for Manufacturing	2
IPT	1522	Professional Behaviors	2
MAT	1023	Technical Math or higher-level math course	3
CFA	1103	Tech Computer Fundamentals OR higher-level computer course	3
COM	1203	Tech Communications or higher-level composition course	3
Exit: Manufacturing Principles Certificate of Proficiency			16
		<u>Spring Semester</u>	
IPT	1053	Electricity for Manufacturing	3
IPT	1063	Manufacturing Equipment Maintenance & Operation	3
IPT	1073	Print Reading, Tolerancing & Precision Measurement	3
IPT	1043	Industrial Plant Process	3
IPT	1923	Advanced Manufacturing Applications	3
Exit: Industrial Production Technology Technical Certificate			31

****Required for Associate Degree**