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Production Planner Pathway Certificate Program

Course Curriculum

Semester 01 (Tuition: \$1,310)

Course #	Course Title	Credits
10-103-106	Beginning Microsoft Excel	1
Credits: 1 Lecture Hours: 18 This course is an introduction to Microsoft Excel. Students will learn the basic features to produce basic worksheets and charts. Other topic areas covered include formatting, formulas, built-in functions used to design functional worksheets to solve business problems. Basic experience with Windows is assumed.		
10-103-118	Intermediate Microsoft Excel	1
Credits: 1 Lecture Hours: 18 This course introduces intermediate level features of Microsoft Excel. Students will learn to use relative & absolute reference formulas and functions, manage workbooks using multiple worksheets, create custom templates and use pivot tables effectively.		
10-182-104	Inventory Management	3
Credits: 3 Lecture Hours: 54 Learners will develop an effective plan to minimize the cost of inventory while still meeting customer demand. Learners will create a foundation for managing materials and labor in an organization to include creating bills of materials and routings and understanding inventory records and transactions. Learners will examine the benefits and challenges of forecasting and its use in accurate scheduling of customer demand. Learners will develop an effective plan to manage the flow of materials and labor through the production process.		
10-623-110	Lean Concepts	3
Credits: 3 Lecture Hours: 54 Learners will develop techniques to identify and eliminate non-value-added activities in a process using 5S, TPM, Standard Work, and Mistake Proofing. Learners will explore the characteristics of an organizational culture necessary to support and sustain a lean enterprise.		

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Semester 02 (Tuition: \$490)

Course #	Course Title	Credits
10-182-137	Technology in the Supply Chain	3
Credits: 3 Lecture Hours: 54 Learners will investigate technology advances that have improved the efficiency of supply chain management and review the processes that make up a business enterprise and examine the advantages and disadvantages of implementing Enterprise Resource Planning (ERP) software. Learners will develop process modeling strategies to improve existing supply chains.		

Total Credits: 11

Estimated Total Tuition*: \$1,800