  
1800 Bronson Blvd., Fennimore, WI 53809 | 608.822.3262 | Toll Free: 800.362.3322 | www.swtc.edu

**Production Planner Pathway Certificate Program**

**Course Curriculum**

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| **Semester 01**   (Tuition: $1,060  Books: $100-$130) | | |
| **Course #** | **Course Title** | **Credits** |
| 10-182-111 | Foundations of Inventory | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will create a foundation for managing materials and labor in an organization. The foundations will include creating bills of materials and routings, and understanding inventory records and transactions. | | |
| 10-182-112 | Forecasting and Scheduling | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will examine the benefits and challenges of forecasting and its use in accurate scheduling of customer demand. | | |
| 10-182-113 | Shop Floor Control | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will develop an effective plan to manage the flow of materials and labor through the production process. | | |
| 10-182-114 | Managing Inventory Levels | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will develop an effective plan to minimize the cost of inventory while still meeting customer demand. | | |
| 10-182-115 | Lean Principles | 1 |
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| Credits: 1 Lecture Hours: 18 In Understanding Lean Principles learners will examine the historic roots of lean and its current application in manufacturing, service sector, health care, and government. Learners will internalize the five principles and identify non-value added activities in a process. Leaners will explore the characteristics of an organizational culture necessary to support and sustain a lean enterprise. | | |
| 10-182-119 | Problem Solving Using A-3 Format | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will utilize the A-3 Problem Solving format to complete projects that address the root cause and improve processes by eliminating waste. | | |
| 10-182-122 | Professional Networking and Development | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will develop networking and professional development plans to assist in career progression in the supply chain management field. | | |
|  |  | **7** |
| **Semester 02**   (Tuition: $450  Books: $50-$70) | | |
| **Course #** | **Course Title** | **Credits** |
| 10-182-125 | Benefits and Challenges of an ERP System | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will review the processes that make up a business enterprise and examine the advantages and disadvantages of implementing Enterprise Resource Planning (ERP) software. | | |
| 10-182-126 | Supply Chain Process Modeling | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will develop process modeling strategies to improve existing supply chains. | | |
| 10-182-127 | Technology in the Supply Chain | 1 |
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| Credits: 1 Lecture Hours: 18 Learners will investigate technology advances that have improved the efficiency supply chain management. | | |
|  |  | **3** |
| **Total Credits: 10** | | |
| **Estimated Total Tuition: $1,510** | | |