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## Supply Chain Management Program

### Course Curriculum

**Semester 01** (Tuition: \$2,290)

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
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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.

10-182-103	Purchasing	3
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Credits: 3    Lecture Hours: 54

Learners will examine the role of purchasing within an organization and explore basic purchasing activities. Learners will develop an evaluation for the purchasing function to include analyzing ordering quantities, selecting and evaluating suppliers, and monitoring cost. Students will be introduced to negotiating skills, strategies, tools, and techniques, and will develop their own negotiating skills as they explore topics in communication, strategy, perception, bias, leverage, ethics, global negotiations, and managing difficult negotiations.

10-182-104	Inventory Management	3
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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
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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.

10-804-123	Math with Business Applications	3
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Credits: 3    Lecture Hours: 54

Students use real numbers, basic operations, linear equations, proportions with one variable, percents, simple interest, compound interest, annuity, and apply math concepts to the purchasing/buying process, the selling process, and apply basic statistics to business/consumer applications.

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**Semester 02** (Tuition: \$1,960)

<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>
10-182-107	Logistics	3

Credits: 3    Lecture Hours: 54

Learners will develop an understanding of logistics within a supply chain. Learners will examine the methods and requirements of transporting materials in a supply chain, and determine how to properly apply warehousing to a supply chain to reduce cost and improve efficiency.

10-182-108	Global Supply Chain Management	3
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Credits: 3    Lecture Hours: 54

Learners will explore strategies and gain insight into developing an international supply chain. Learners will examine the process of identifying, qualifying, and negotiating the purchase of goods from global sources, and consider factors that affect global transportation of both imports and exports.

10-182-109	Service Operations Management	3
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Credits: 3    Lecture Hours: 54

Learners will examine the unique requirements of providing an intangible product and formulate strategies to cultivate customer satisfaction. Learners will design delivery systems that meet the needs of service based customers and provide the required level of customer service.

10-182-137	Technology in the Supply Chain	3
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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.

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**Semester 03** (Tuition: \$980)

<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>
10-801-136	English Composition 1	3

Credits: 3    Lecture Hours: 54

This course is designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing and revising are applied through a variety of activities. Students will analyze audience and purpose, use elements of research and format documents using standard guidelines. Individuals will develop critical reading skills through analysis of various written documents.

10-804-189	Introductory Statistics	3
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Credits: 3    Lecture Hours: 54

Students display data with graphs, describe distributions with numbers, perform correlation and regression analyses, and design experiments. They use probability and distributions to make predictions, estimate parameters, and test hypotheses. They draw inferences about relationships including ANOVA.

**Semester 04** (Tuition: \$2,120)

<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>
10-101-111	Accounting 1	4

Credits: 4    Lecture Hours: 36    Lab Hours: 72

Students learn accounting concepts and principles in a logical step-by-step manner. Students will do extensive problem work. Students focus on accounting for both service and merchandising businesses.

10-102-130	Management Principles	3
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Credits: 3    Lecture Hours: 54

Students explore the challenges faced by the managers of organizations in today's competitive business environment. Students will examine managerial roles and skills as important factors in determining organizational performance. These factors include planning for the future by anticipating changes in the external environment, organizing people into groups, allocating resources to them and motivating them to attain organizational goals.

10-196-215	Project Management Fundamentals	3
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Credits: 3    Lecture Hours: 54

Students will become familiar with the role of project management, developing a project proposal, demonstration of relevant software, working with project teams, sequencing tasks, charting progress, dealing with variations, budgets and resources, implementation, and assessment.

10-809-199	Psychology of Human Relations	3
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Credits: 3    Lecture Hours: 54

Students explore the relationship between the general principles of psychology and our everyday lives. Students are given the opportunity to achieve a deepened sense of awareness of themselves and others. This understanding enables students to improve their relationship with others at work, in the family, and in society.

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**Semester 05** (Tuition: \$1,800)

<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>
10-102-108	Risk Management	3

Credits: 3    Lecture Hours: 54

Students will be exposed to the process of managing risks faced by business firms and individuals. Students will use the risk management process in case studies to analyze and evaluate pure risks to minimize losses.

10-182-138	Supply Chain Capstone	2
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Credits: 2    Lecture Hours: 0    Occupational Hours: 144

Students will obtain practical, hands-on experience while applying skills developed in the Supply Chain Management program at an approved site with employer and instructor supervision. Professional behavior, good communication, and positive interpersonal skills will also be demonstrated. Students will also demonstrated knowledge of the program TSA's (Technical Skill Attainment). Co-requisites: Inventory Management (10-182-104), Purchasing (10-182-103), Logistics (10-182-107).

10-801-196	Oral/Interpersonal Communication	3
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Credits: 3    Lecture Hours: 54

Students demonstrate competency in speaking, verbal and nonverbal communication, and listening skills through individual presentations, group activities and other projects.

10-809-143	Microeconomics	3
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Credits: 3    Lecture Hours: 54

Students examine the behavior of individual decision makers, primarily consumers and firms. Topics include choices of how much to consume and to produce, the functioning of perfectly and imperfectly competitive markets, the conditions under which markets may fail, and arguments for and against government intervention. The student applies the fundamental tools of economics to real world problems. Prerequisite: Economics (10809-195) OR Principles of Macroeconomics (20809-211)

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**Semester 06** (Tuition: \$980)

Course #	Course Title	Credits
10-809-172	Introduction to Diversity Studies	3

Credits: 3    Lecture Hours: 54

Students draw from several disciplines to reaffirm the basic American values of justice and equality by learning a basic vocabulary, a history of immigration and conquest, principles of transcultural communication, legal liability and the value of aesthetic production to increase the probability of respectful encounters among people. In addition to an analysis of majority/minority relations in a multicultural context, the topics of ageism, sexism, gender differences, sexual orientation, the disabled and the American Disability Act (ADA) are explored. Ethnic relations are studied in global and comparative perspectives.

10-809-195	Economics * OR *	
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Credits: 3    Lecture Hours: 54

Students will develop analytical skills central to how a market-oriented system operates and the factors that influence national economic policy. Students will apply basic concepts and analyses to a variety of contemporary problems and public policy issues. These concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment, and global economic issues.

20-809-287	Principles of Macroeconomics	3
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Credits: 3    Lecture Hours: 54

This course provides an introduction to basic economic principles with applications to current economic problems affecting the overall performance of a nation's economy. The course begins with an analysis of the role of markets and prices in an economy. Topics include the causes and consequences of unemployment, inflation, and economic growth; the role of money and banking in the economy; the role of government taxing and spending policies to correct market failure and stabilize the economy; the implications of budget deficits and the national debt; and the implications of an increasingly global economy. This course is designed to meet the need for college transfer credit.

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**Total Credits: 62**

**Estimated Total Tuition\*: \$10,130**