



Supply Chain Management

Program No: 10-182-1

Associate Degree in Applied Science

Degree Completion Time: Four Terms

In general, an academic year consists of two terms; however, degree completion time may vary based on student scheduling needs and class availability

2010-2011

Catalog No.	Class Title	Credit(s)
Term 1		
10105124	Portfolio Introduction	1.00
10182102	Service Operations Management OR10501101 Medical Terminology	3.00
10182108	Purchasing	3.00
10182160	International Business Supply Chain Management	3.00
10801195	Written Communication	3.00
10809196	Introduction to Sociology OR 10809172 Race, Ethnic, & Diversity Studies	3.00
	Total	16.00
Term 2		
10103175	Excel 2007-Level 2	1.00
10182110	Negotiations	3.00
10182131	Supply Chain Management	3.00
10801196	Oral/Interpersonal Communication OR 10801198 Speech	3.00
10804113	College Technical Mathematics 1A	3.00
10809198	Intro to Psychology	3.00
	Total	16.00
Term 3		
10101155	Accounting for Professionals	3.00
10105126	Career Assessment OR 10105128 Career Exploration (2 cr.)	3.00
10182106	Strategic Resource Management	3.00
10182114	Enterprise Resource Planning and Control OR 10182126 Health Care - Supply Chain Management	3.00
10182122	Logistics	3.00
10806112	Principles of Sustainability OR 10809122 Introduction to American Government	3.00
	Total	18.00
Term 4		
10182107	Portfolio Assessment-Supply Chain	1.00
10623118	Lean Manufacturing and Execution Control	3.00
10623119	Six Sigma Tools - Supply Chain Managers	3.00
10623193	ISO 9001:2008	3.00
10809195	Economics	3.00
10182128	Supply Chain Administration Leadership OR 10182125 Internship--Supply Chain Management	3.00
	Total	16.00
	Program Total	66.00

Note: Catalog numbers assigned to "elective" classes are for administrative use only. Consult with program counselor regarding your elective selection.

Program start dates vary; check with your counselor for details.

Curriculum and program acceptance requirements are subject to change.

About the Career

It is exciting to be part of the materials/supply management field. New technology, use of the internet, and the business-to-business e-commerce explosion have made great advances in the materials/supply management field. If you like working with people, computers, and data and are interested in working in an ever-changing logistics, manufacturing, service, or health care field, a career in materials/supply chain management is for you.

Careers

- Vendor-Managed Inventory Specialist
- Buyer
- Material Controller/Coordinator
- Buyer Planner/Scheduler
- Project Management
- Global Sourcing Supply Specialist
- Logistician

Admissions Steps

- Application
- Application Fee
- Entrance Assessment Scores
- Transcripts
- Program Advising Session
- Microsoft Skills Check Form (Word, PowerPoint, Excel)

Program Goals

You'll learn to:

- Provide an uninterrupted flow of materials, supplies, and services required to operate the organization.
- Manage inventory levels.
- Manage customer inventory levels.
- Maintain quality control.
- Develop productive working relationships with external constituents (such as vendors and retailers) and internal departments (such as the Marketing, Accounting, Engineering, and MIS departments).
- Analyze and negotiate contracts with suppliers, manufacturers, and/or distributors.
- Develop solutions regarding capacity and production planning, resource allocation, and facility location.
- Integrate technology into the supply chain to improve profitability; for example, utilize e-business.
- Schedule the transportation and logistics of product/service to its final destination.

Approximate Costs

- \$107 per credit (resident)
- \$158 per credit (out-of-state resident)
- Other fees vary by program (books, supplies, materials, tools, uniforms, health-related exams, etc.)

Special Note

This program is also offered in an evening delivery format.

Entrance Assessment Scores

Assessment Areas	ACT	Accuplacer
Math	18	79
Read	18	74
Write	18	86

Functional Abilities

Functional abilities are the basic duties that a student must be able to perform with or without reasonable accommodations. At the postsecondary level, students must meet these requirements, and they cannot be modified.

Transfer agreements are available with the following institutions:

Capella University
Cardinal Stritch University
Concordia University
Franklin University
Lakeland College

Marian College
MSOE Rader School of Business
Silver Lake College
University of Phoenix
UW-Stout

IMPORTANT: For more information on these agreements, visit gotoltc.edu/transfer.

10101155 Accounting for Professionals

...is the study of the information that can be interpreted from financial statements. Students analyze financial statements and apply managerial accounting concepts in an accelerated format.

10103175 Excel 2007 - Level 2

...prepares the learner to create special effects in a worksheet; work with custom formats, AutoFormats, styles and templates; document and protect worksheets and workbooks; integrate applications; use functions to create data; guide cell entry with data validations; create PivotTable and PivotChart reports; and create hyperlinks and use collaborative tools. This course is offered in a self-paced format.

PREREQUISITE: 10103174 Excel 2007 - Level 1 or 10103141 Excel 2002 - Level 1 or 10103158 MS Intro to Microsoft Software

10105124 Portfolio Introduction

...prepares the student to develop a personal and professional portfolio, to identify self-awareness through various self-assessments and apply these results to the workplace and other environments, to write goal statements and understand their value, to develop an individual history of events and achievements, and to identify significant learning experiences throughout the student's life.

10105126 Career Assessment

...prepares the student to develop a career plan, write a resume, create a cover letter, prepare for an interview, search for work on the Internet, adapt a resume for an electronic scan, and post a resume and cover letter on the Internet.

PREREQUISITE: 10105124 Portfolio Introduction

10182102 Service Operations Management

...introduces the student to the basic coverage of the concepts and current issues in service operation management. Topics include the value equation in operations management; understanding services; building the service system; operating the service system; enterprise resource management (ERP) and supply chain management concepts in the service sector.

10182106 Strategic Resource Management

...introduces the learner to explore the relationship of existing and emerging processes and technologies to manufacturing strategy and supply chain-related functions. This course addresses three main topics: aligning resources with the strategic plan, configuring and integrating operating processes to support the strategic plan, and implementing change.

10182107 Portfolio Assessment-Supply Chain

...prepares the student to identify what they have learned through the supply chain program, write career goals, re-examine their resume, research and collect project samples of their achievements, and analyze their achievements within the college core abilities.

PREREQUISITES: 10105124 Portfolio Assessment and 10105126 Career Assessment

10182108 Purchasing

...introduces the participant to basic purchasing, quality specifications, inventory control, supplier selection, price aspects, research and measurement, and global purchasing. This course is exciting for anyone interested in working in a challenging and rewarding purchasing and supply chain management career.

COREQUISITE: Microsoft PowerPoint or equivalent

10182110 Negotiations

...is an exciting introduction into negotiations where the following topics will be discussed: nature of negotiations, framing, strategy, integrated negotiations, distributed negotiations, communication, perception, bias, leverage, ethics, global negotiations, and managing difficult negotiations. It is a must course for students desiring to succeed in business.

10182114 Enterprise Resource Planning and Control

...prepares the participant to interpret material requirements planning reports, build a master production schedule, construct capacity plans, and understand sales and operations planning. The curriculum is developed from the American Production and Inventory Controls exam certification's domain of knowledge.

COREQUISITE: Microsoft Excel or equivalent

10182122 Logistics

...introduces the student to business logistics, including the efficient and effective flow of goods, services, and related information from the point of origin to the point of consumption and provides a summary of the role and importance of transportation and an overview of carriers, carrier management, and technology and strategies in logistics.

COREQUISITE: Microsoft PowerPoint or equivalent

10182126 Health Care - Supply Chain Management

...introduces the learner to General Purchasing Organizations (GPO's), contract management, central supply procedures, sterilization, inventory management and distribution, linen and laundry supply, and analyzing the financial culture. It also covers investigative value analysis, and managing supply management in a healthcare setting as well as MIS tools to run an effective information management system.

10182128 Supply Chain Administration and Leadership

...introduces the student to a collection of readings, self-assessments, case studies and experiential exercises on leadership and administration. The student will have a better understanding of the complexities associated with leadership as well as an understanding of the pieces that serve to define leadership.

10182131 Supply Chain Management

...has been developed to provide a basic understanding of the planning and control of materials into, through, and out of organizations. In addition, those who want to become certified by APICS need a fundamentals course to learn about the material planning and control system. This course will provide a basis for further study leading to certification.

COREQUISITE: Microsoft Word, Excel or equivalent

10182160 International Business Supply Chain Management

...introduces the student to supply chain financial transactions which include foreign exchange market, fluctuations of the market, role of the global capital market, major determinants in country risk, methods of foreign market entry, international contracts and commercial documents, export packaging, customs clearance, and global supply chain logistics infrastructure.

10623118 Lean Manufacturing and Execution Control

...expands the learner's ability to develop skills to prioritize and sequence work, execute work plans, implement controls, and create and analyze performance evaluations. It allows the student to explore the execution of quality initiatives and continuous improvement plans in addition to the control and handling of inventories.

10623119 Six Sigma Tools - Supply Chain Managers

...provides the student with the skills and tools to collect and analyze data to solve problems, improve and control processes, and implement solutions within an organization. An emphasis will be placed on the use of statistical techniques to create and implement a data collection plan and select solutions.

10623193 ISO 9001:2008

...is designed to introduce participants to the QS/ISO 9001:2008 standards. The course is structured to teach the QS/ISO 9001:2008 standards, how to document procedures, and how to perform audits. All of the QS automotive standards will be introduced.

10801195 Written Communication

...teaches the writing process, which includes prewriting, drafting, revising, and editing. Through a variety of writing assignments, the student will analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Keyboarding skills are required for this course. It also develops critical reading and thinking skills through the analysis of a variety of written documents.

PREREQUISITE: 10831103 Intro to College Writing or **CONDITION:** Accuplacer Writing minimum score of 86 or Equivalent

10801196 Oral/Interpersonal Comm

...provides students with the skills to develop speaking, verbal and nonverbal communication, and listening skills through individual speeches, group activities, and other projects.

10801198 Speech

...explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of the course.

10804113 College Technical Mathematics 1A

...prepares the student to solve linear, quadratic, and relational equations; graph; formula rearrangement; solve systems of equations; percent; proportions; and operations on polynomials. Emphasis will be on the application of skills to technical problems. Successful completion of College Technical Mathematics 1A and College Technical Mathematics 1B is the equivalent of College Technical Mathematics 1.

PREREQUISITE: Accuplacer Math minimum score of 79 or Equivalent or 10804100 Math Proficiency

10806112 Principles of Sustainability

...prepares students to develop sustainable literacy, analyze interconnections among physical and biological sciences and environmental systems, summarize effects of sustainability on health and well-being, analyze connections among social, economic, and environmental systems, employ energy conservation strategies to reduce use of fossil fuels, investigate alternative energy options, evaluate options to current waste disposal/recycling in the U.S., and analyze approaches used by your community.

10809195 Economics

...provides the participant with an overview of how a market-oriented economic system operates, and it surveys the factors which influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues.

10809196 Introduction to Sociology

...introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.

10809198 Intro to Psychology

...introduces students to a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings.