We teach...
forecasting
planning
supply management
operations
transportation
warehousing
customer service
information systems

...in order to forge
a supply chain’s strongest link—great employees.

Undergraduate Major and Minor
Including Health Care Supply Chain Management
“Duquesne’s SCM program gave me a lot of hands-on experience, and that helped me make a smooth transition from college to my professional career.”

Bethany Gualtieri
UPMC
Supply chain management is becoming one of the most important and highly valued disciplines in the business world. The reasons for this increasing importance are plain. More than ever, global market forces are pressuring organizations to reduce costs and deliver goods and services in ways that are both speedy and sustainable.

In today’s interconnected business environment, expertise in supply chain management is critical for success—in all types of organizations—and the trends that have created a demand for competent supply chain managers show no sign of abating.

**SUPPLY CHAIN MANAGEMENT BASICS**

The supply chain is a term that describes the pathway that goods and services follow in order to reach the customer. In today’s business environment, supply chain managers are called on to make decisions that are environmentally and socially—as well as financially—responsible.

All the materials as well as every purchase and every effort involved in producing and delivering a product or service, from the supplier’s supplier to the customer's customer, make up the supply chain. In manufacturing, for example, the supply chain pathway starts with forecasting demand, scheduling and sourcing a company’s raw materials; then it proceeds to the internal production and distribution processes, and ends with delivery to the customer.

At every point in the pathway, supply chain professionals are responsible for managing the flow of goods, services and information. Supply chain management requires managing supply and demand, sourcing raw materials and parts, manufacturing and assembly, warehousing and inventory tracking, order entry and order management, distribution across all channels and delivery to the customer.

Companies rely on their supply chain managers to increase efficiency by integrating critical business functions. In fact, supply chain management is the only discipline that is responsible for integrating activities such as marketing, distribution, planning, manufacturing, purchasing and all other business functions on the supply pathway.
SUPPLY CHAIN MANAGEMENT AT DUQUESNE

At Duquesne, the Supply Chain Management curriculum integrates the critical themes of global collaboration, sustainability, ethics and the importance of information systems technology—all of which are vital for career success.

Both the A.J. Palumbo School of Business Administration and the John F. Donahue Graduate School of Business have programs that can prepare you for supply chain management careers in for-profit and nonprofit organizations. In addition, we offer health care supply chain management for undergraduate students, and we are one of the few business schools anywhere to do so.

Our supply chain management concentration, whether at the undergraduate level or in the MBA program, provides all of the necessary theoretical, analytical and practical skills required to manage the flow of services, materials, products and information, from the original source to the final consumer. In addition, our undergraduate- and graduate-level courses have been designed to develop the ability to manage diverse resources, including materials, operations and physical distribution.

To further enhance their skills, our supply chain management students are strongly encouraged to pursue a double major by focusing their studies in information systems management, marketing or international business.
Broad-Based Curriculum

Often, supply chain management programs focus on preparing students for niche specialties, such as logistics or purchasing. Duquesne provides students with greater opportunities through a broad-based curriculum that emphasizes the importance of integrating all supply chain functions and activities. When they graduate, our students possess the knowledge and skills to pursue careers in any number of supply chain specializations. Our graduates have the skills to:

- Develop measurable, strategic plans for effective supply chain management;
- Evaluate suppliers objectively and manage all aspects of an organization’s relationship with its suppliers;
- Schedule critical production activities and monitor both quality and productivity;
- Coordinate all of the logistics for transporting goods to customers;
- Develop sustainable supply chain management practices that enhance the triple bottom line.

Executive Connections

Our supply chain management graduates hold leadership positions in regional, national and international organizations. Additionally, a Supply Chain Management Advisory Board, comprised of senior executives from regional firms, guides our program’s curriculum development. Both the Board and our worldwide network of graduates help arrange professional development opportunities for students.

International Ranking

For more than a decade, Duquesne University has offered the region’s premier supply chain management program. Today, Duquesne still maintains the only program in Western Pennsylvania that is administered by an internationally accredited school of business. Duquesne’s business school is among an elite five percent of business schools worldwide that meet the rigorous academic standards necessary to earn accreditation from the Association to Advance Collegiate Schools of Business (AACSB) International.
HEALTH CARE SUPPLY CHAIN MANAGEMENT

A unique option

We are one of the few schools of business anywhere to offer Health Care Supply Chain Management at the undergraduate level. The program, a specialization within the Supply Chain Management program, aims to improve the effectiveness and efficiency of the health care supply chain, thus providing the health care industry the same significant cost-reducing and service-improving benefits as best-in-class supply chain management in other sectors of the U.S economy.

The Health Care Supply Chain Management program has been designed to introduce students to all elements of the supply chain as they relate to the health care system. The program provides students with an understanding of the American health care system as well as the clinical and therapeutic terminology of that system. Students will also develop an understanding of the application of information technology in the health care system.

Students will be required to complete the University core curriculum, the business school core curriculum, the required health care supply chain management courses, a number of general electives and a culture/communication requirement. All courses are three credits. The health care supply chain management track requires 123 credits for degree completion.

The Health Care Supply Chain Management option is a partnership of Duquesne University’s A. J. Palumbo School of Business and Mylan School of Pharmacy, and students take courses in both of these schools.

Mylan School of Pharmacy
- The Health Care System
- Clinical Medicine/Therapeutics

A.J. Palumbo School of Business
- Supply Chain Management Techniques
- SCM Information Systems
- Supply Management - Purchasing
- Global Transportation and Logistics
- Forecasting, Production/Inventory Planning
- Strategic Supply Chain Management

The six undergraduate courses above are in the general supply chain management curriculum in the Palumbo School of Business. Examples, case studies and field experiences are included in each course to customize course segments for students focusing on health care supply chain management.

OPPORTUNITIES

Career opportunities in health care supply chain management are significant, and they have been increasing as the health care industry expands.

We provide students with the necessary skills to make an immediate impact, and they are well prepared to improve the cost-effectiveness of the health care system. Our students can be found in organizations throughout the health care system, at medical device manufacturers, pharmaceutical firms, hospitals, and distributors of hospital and medical supplies.
EXPERIENCE AND NETWORKING

Beyond the classroom, our supply chain management students gain insight and experience by visiting local companies.

Multiple times each semester, our students can take half-day trips for the purpose of conducting onsite reviews of supply chain management processes in a variety of industries. To build their professional portfolios, our students can earn an achievement certificate by completing a research paper examining the company’s supply chain.

Student portfolios are further strengthened and invaluable experience gained through internships. We strongly encourage students to pursue internships, and the supply chain management program has been highly successful at placing students in paid internships in the local business community.

On campus, students can participate in events known as Supply Chain Forums, which feature guest speakers who address current trends in supply chain management. These forums provide opportunities for discussion and exchanging ideas with regional business professionals and other students. Recent forum topics have included the impact of the Sarbanes-Oxley law on supply chain activities, developments in effective inventory management and the impact of technology on procurement.

Our students also have the opportunity to network with supply chain professionals in order to learn about industry trends through participation in organizations, including:

Duquesne University Supply Chain Council

The Supply Chain Council is a student-run organization that provides opportunities to gain experience, network with industry professionals, and develop and enhance professional skills.

The Association for Operations Management (APICS)

Duquesne hosts a student chapter of this organization, which specializes in sharing production and inventory management information with its members.

Council of Supply Chain Management Professionals

Through Duquesne’s involvement with the local chapter of this organization, it participates in an annual College Challenge supply chain quiz, which allows our students to compete with universities around the country in a demonstration of the depth of their supply chain management knowledge.

Institute for Supply Chain Management

Many of our program’s students are active members in this organization. It offers an annual scholarship exclusively to a Duquesne supply chain management student.

Traffic Club of Pittsburgh

Annually, Pittsburgh’s Traffic Club awards four scholarships to students studying supply chain management. Our students have established an excellent track record, earning at least two or three of these scholarships each year.
CAREER OPPORTUNITIES

Duquesne’s supply chain management program has an excellent reputation in the marketplace, and there is a strong demand for our students in organizations based in Western Pennsylvania and around the world. In fact, the placement rate for supply chain management students is virtually 100 percent. Leading firms actively recruit our graduates. Among those firms are:

- US Steel Corp.
- Cutler-Hammer (Eaton Corp.)
- H.J. Heinz Co.
- Alcoa
- Del Monte
- Bechtel-Bettis
- FedEx

In addition, to help students launch their careers, the members of our faculty create a digital “bank” containing the résumés of our graduating students, students seeking internships and alumni. The résumé bank is available to human resource professionals and to their personal contacts in the supply chain management community.

“The SCM degree I received at Duquesne University is the backbone of my career.”

Michael Ferrara
Stanley Black & Decker
AN EXPERIENCED AND ACCOMPLISHED FACULTY

Petros Christofi, Ph.D.

Dr. Petros C. Christofi teaches undergraduate and graduate core courses in supply chain management and operations management.


He holds a Ph.D. in Management Science/Operations Management, with a minor in logistics, from The Pennsylvania State University. He is a lifetime member of POMS (Production and Operation Management Society).

Matthew J. Drake, Ph.D., CFPIM

Dr. Matthew Drake, the director of international studies in the Palumbo-Donahue School of Business, has research interests that focus on the development of contract mechanisms for supply chain coordination and the application of ethical decision-making in global supply chain collaboration. Additionally, he works to create innovative pedagogical tools that help students learn operations and supply chain management.

He holds certification in production and inventory management through APICS (Association for Operations Management), and his research has been published in Naval Research Logistics, European Journal of Operational Research, OMEGA, OR Spectrum, International Journal of Production Economics, Journal of Business Ethics, and Science and Engineering Ethics. In addition, he is the author of Global Supply Chain Management published by Business Expert Press.

Dr. Drake received a B.S. in Business Administration from Duquesne University and an M.S. and Ph.D. in Industrial and Systems Engineering from Georgia Institute of Technology.

Kathryn A. Marley, Ph.D.

Dr. Kathryn Marley teaches courses in operations and supply chain management in the undergraduate and MBA programs. She also teaches a class in the undergraduate program focusing on process improvement, process mapping, lean, Six Sigma and project management.

Her work has been published in Decision Sciences and Business and Society. Her research interests include lean management, supply chain disruptions, continuous improvement programs and empirical methods.

Dr. Marley earned an undergraduate degree from Grove City College, an MBA from the University of Akron and a Ph.D. in Business Administration from The Ohio State University.
John R. Mawhinney, Ed.D., CPIM, CTL

Dr. John Mawhinney, the director of the Supply Chain Management program, has 26 years of industry experience in supply chain management. He has held a variety of positions with Westinghouse Electric Corp. and Eaton Corporation before joining Duquesne in 1999.

His research interests include the impact of supply chain management on corporate profitability, collaboration in supply chain management and the role of supply chain management in the value chain. Along with Dr. William Presutti, he holds the patent on the Contemporary Value Chain Model, a new way of understanding the value chain that reflects the dynamic nature of contemporary business.

Dr. Mawhinney’s recent publications can be found in the Supply Chain Management Review, the International Journal of Value Chain Management and International Journal of Logistics Economics and Globalisation.

Recognized by students and peers for his teaching as well as for supply chain management program development, he is the recipient of the Kurt Rethwisch Outstanding Teacher Award (2002), Sigma Alpha Epsilon Apple Polishing Award (2005), School of Business Outstanding Educator Award (2009) and the School of Business Dean’s Distinguished Service Award (2011).

He holds professional certification in production and inventory management from APICS (Association for Operations Management). In addition, he has been certified in transportation and logistics by the American Society of Transportation and Logistics.

Dr. Mawhinney earned a bachelor’s degree in logistics and marketing from The Ohio State University, an MBA from the University of Pittsburgh and a doctoral degree in education from Duquesne University.

William D. Presutti, Jr., Ph.D., CPM

Dr. William Presutti founded the supply chain management program at Duquesne in 1991. He has years of professional and management experience in industrial purchasing, and he has served as a logistics officer the United States Air Force.

He earned an undergraduate degree in business from Duquesne and a master’s degree in economics from Northeastern University. His doctorate is from Carnegie-Mellon University, and he holds a lifetime certification (CPM) from the Institute of Supply Management. His most recent publication, “The Value Chain Revisited,” co-authored with John R. Mawhinney, appeared in the International Journal of Value Chain Management in 2009.

Dr. Presutti’s current research interests include the role of reward sharing as the missing link in managing the value chain. He presented his latest paper, in April 2011, on that topic at the annual meeting of the Northeast Decision Sciences Institute in Montreal.
Robert Sroufe, Ph.D.

Dr. Robert Sroufe holds the Murrin Chair of Global Competitiveness in the John F. Donahue Graduate School of Business.

A researcher and consultant in sustainable business practices, environmental management systems, green supply chain management and green purchasing, Dr. Sroufe has led projects on sustainability and environmental management while working with companies such as Alcoa, KPMG, Intel, Baxter, Lucent Technologies, Herman Miller, Dow Chemical and Ford Motor Company and as well as numerous critical suppliers in the automotive industry.

He has published in a variety of academic and environmental business journals, and he is co-editor of *Strategic Corporate Environmental Management Systems*, published by Greenleaf Publishing.

His primary academic responsibilities are associated with Duquesne’s MBA Sustainability program, which has been ranked among the top 20 graduate business programs in the world by the Aspen Institute for the way it integrates sustainability into course work and faculty research. The program is also the winner of the prestigious Page Prize for its innovative curriculum.

Dr. Sroufe is an authority on sustainable theories and models and on business applications of sustainability, and he oversees graduate academic consulting projects every semester with corporate sponsors.

He earned a Ph.D. in Operations Management from Michigan State University.

Adjunct Faculty

In addition to the accomplished full-time members of our faculty, our supply chain management program benefits from having an adjunct faculty of highly respected supply chain management executives from leading firms in the Pittsburgh region. These instructors are well positioned to share their expertise and their firms’ best practices with our students.

FOR ADDITIONAL INFORMATION, CONTACT:

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