

GLOBAL SUPPLY CHAIN MANAGEMENT

Program Overview

Rider's award-winning global supply chain management program prepares students for one of the most in-demand specializations in today's business world.

Consistently honored as one of the top curriculums of its kind in the nation by research firm Gartner Inc., the GSCM program equips students with the skills and experiences needed for a career in the exciting field of global supply chain management.

Through every phase of a product's life cycle, global supply chain management professionals ensure that customers get the products and services they need and want — faster, better and more cost-effectively — from across town or around the world. They play a critical role to the successful functioning of businesses, healthcare, nonprofit agencies and governments.

Student Learning Outcomes

At the completion of the Global Supply Chain (GSC) Management degree, a GSC major will demonstrate the ability to:

- Apply knowledge of the components of global supply chains to address real world supply chain management (SCM) trade-offs and management problems.
- Develop appropriate SCM operating strategies.
- Recognize how organizations operate to comply with regional and international governing laws and cultural norms that affect the conduct of business.
- Develop SCM policies and procedures based on research.
- Apply SCM methods and concepts to real world problems through experience acquired in a required co-op or internship in SCM.

Curriculum Overview

Rider's interdisciplinary global supply chain management program combines theory and practice with hands-on internship and mentoring experiences to provide students with an understanding of the important role of supply chain management in domestic and international business.

Faculty include professors with expertise in supply chain management and logistics, information systems, marketing, international business and management science, as well as supply chain professionals from private industry and non-profits. Students learn the many dimensions of supply chain networks that businesses use to acquire, produce, and deliver goods and services across the global marketplace. They also gain skills that prepare them for success in this fast-growing field

Degree Offered

- B.S.B.A. in Global Supply Chain Management

Certificates Offered

- Certificate in Global Supply Chain Management
- Certificate in Supply Chain Analytics

Concentration Offered

- Concentration in Supply Chain Analytics

Contact

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Program Website: www.rider.edu/gscm (<http://www.rider.edu/gscm/>)

Associated Department: Department of Information Systems, Analytics, and Supply Chain Management (<https://www.rider.edu/academics/colleges-schools/norm-brodsky-college-business/departments/info-systems-analytics-supply-chain/>)

Related Programs

- Business Analytics (<http://catalog.rider.edu/undergraduate/colleges-schools/business-administration/business-analytics/>)
- International Business (<http://catalog.rider.edu/undergraduate/colleges-schools/business-administration/majors-minors-certificates/international-business/>)
- Management and Leadership (<http://catalog.rider.edu/undergraduate/colleges-schools/business-administration/majors-minors-certificates/management-leadership/>)

Global Supply Chain Management Major Requirements

(33 credits)

Code	Title	Credits
Business Core		
See Business Core Requirements (http://catalog.rider.edu/undergraduate/colleges-schools/business-administration/core-requirements/)		
Required Courses		
GSC 115	Introduction to Global Supply Chain Mgt.	3
GSC 235	Supply Chain External Focus: Customer and Supplier Logistics	3
GSC 345	Customer Focus: The Customer Driven Supply Chain	3
GSC 355	Supply Chain Internal Focus: Firm Operations	3
GSC 445	Supply Chain Strategy and Design	3
GSC 399	GSC Co-op Program ¹	6
Major Electives		
Select two of the following:		6
BDA 205	Introduction to Visual Data Analytics ³	
Any 300-level and above Business Data Analytics (BDA) course		
CIS 200	Application Development with JavaScript ³	
Any 300-level and above Computer Information Systems (CIS) course except CIS 385		
ECO 305	Internatl Trade and Investment	
ENT 375	International Entrepreneurship	
FIN 308	International Finance	
GSC 290	Strategic Sourcing and Procurement	

GSC 490	Independent Study: Research and Creative Expression	
MGT 375	International Management	
MKT 250	Retailing Management ³	
MKT 260	Service Marketing ³	
Any 300-level and above Marketing (MKT) course		
International Business Elective		
Select one of the following:		3
ECO 305	Internatl Trade and Investment	
ENT 375	International Entrepreneurship	
FIN 308	International Finance	
MGT 375	International Management	
MKT 330	International Marketing	
Business Analytics and Technology Requirement		3
GSC 385	Management Information Systems for Global Supply Chain Management ²	
Total Credits		33

¹ Students majoring in Global Supply Chain Management are required to take a 6-credit co-op OR a 3-credit Internship and a 3-credit business elective.

² Students majoring in Global Supply Chain Management may not take CIS 385 Management Information Systems.

³ Students majoring in Global Supply Chain Management may take a maximum of one 200 level BDA, CIS or MKT course to count as a GSC Major Elective.

Students must achieve a grade of at least "C-" in each of the major courses with a minimum GPA of 2.0 in the major.

Global Supply Chain Certificate Supply Chain Analytics Certificate (p. 2)

Global Supply Chain Certificate

(9 credits)

Overview

The Global Supply Chain Certificate (GSCC), housed within the Global Supply Chain Program, is a certificate-bearing program that is open to all undergraduate students in the Norm Brodsky College of Business and in the College of Liberal Arts and Sciences (except GSC majors)¹. The GSCC is designed to complement students' major areas of study with relevant content from the supply chain discipline. In professional practice, supply chain management requires a high degree of interaction and collaboration with other major corporate functions. Managers in Finance, Marketing, Accounting, Human Resources and other functions need to understand and are often expected to work closely with corporate supply chain colleagues. The GSCC will provide students with the knowledge and skills to be effective in these cross-functional, interdisciplinary roles while the credential will provide differentiation and advantage in their job search.

Requirements

Upon successful completion of the requirements listed below, students will obtain a Global Supply Chain Analytics Certificate upon graduation from Rider. All GSCC participants must successfully complete and

achieve grades of C- or better in each of three courses they take to complete the certificate, as described below:

Code	Title	Credits
Required Course for Certificate:		3
GSC 115	Introduction to Global Supply Chain Mgt.	
Choose 2 of the following:		6
GSC 235	Supply Chain External Focus: Customer and Supplier Logistics	
GSC 290	Strategic Sourcing and Procurement	
GSC 345	Customer Focus: The Customer Driven Supply Chain	
GSC 355	Supply Chain Internal Focus: Firm Operations	
Total Credits		9

¹ The GSC Certificate is open to and intended for all students except GSC majors.

Supply Chain Analytics Certificate

(9 credits)

Overview

The Supply Chain Analytics Certificate (SCAC) will be available to all GSC Certificate students in the Norm Brodsky College of Business. Students who exhibit strong technical skills and/or interest in analytic methods will be particularly encouraged to consider the SCA Certificate. Thus, this certificate offers an advanced "analytics study option" for GSC Certificate students.

The SCAC provides a meaningful and externally recognizable analytics credential for students without requiring the full effort of completing a major in Business Data Analytics (BDA), which requires the completion of six courses in the major. The credential will help these students differentiate themselves from peers at Rider and other universities as they compete for positions in the field of supply chain management.

Requirements

The SCAC is open to all Global Supply Chain (GSC) Certificate students in the Norm Brodsky College of Business. Upon successful completion of the requirements listed below, students will obtain a Supply Chain Analytics Certificate upon graduation from Rider.

The SCA Certificate is only awarded to students who have also completed the GSC Certificate. Students can work on both the SCA and GSC Certificates concurrently. However, the SCA Certificate will only be awarded upon the successful completion of the requirements for both the GSC Certificate and SCA Certificate by a student.

All SCAC participants must successfully complete and achieve grades of C- or better in each of three courses they take to complete the certificate, as described below:

Code	Title	Credits
Required Courses:		6
BDA 205	Introduction to Visual Data Analytics	
BDA 355	Business Analytics with Python	
Select one of the following:		3
CIS 330	Database Systems	

or CIS 360 Data Mining

Total Credits	9
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Supply Chain Analytics Concentration Requirements

(9 credits)

The SCA Concentration is open to all GSC Majors in the Norm Brodsky College of Business. Upon successful completion of the requirements listed below, students will obtain a Supply Chain Analytics Concentration upon graduation from Rider.

The SCA Concentration is only awarded to students who have also completed the GSC Major. Students can and are expected to work on both the SCA Concentration and the GSC Major concurrently. However, the SCA Concentration will only be awarded upon the successful completion of the requirements for both the GSC Major and SCA Concentration by a student.

All SCA Concentration participants must successfully complete and achieve grades of C- or better in each of three courses they take to complete the concentration, as described below:

Code	Title	Credits
Required Courses:		6
BDA 205	Introduction to Visual Data Analytics	
BDA 355	Business Analytics with Python	
Select one of the following:		3
CIS 330	Database Systems	
or CIS 360	Data Mining	

Total Credits	9
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Academic Plan of Study

The following educational plan is provided as a sample only. Rider students who do not declare a major during their freshman year; who are in a Continuing Education Program; who change their major; or who transfer to Rider may follow a different plan to ensure a timely graduation. Each student, with guidance from their academic advisor, will develop a personalized educational plan.

Course	Title	Credits
Year 1		
Fall Semester		
CBA 110	Business in Action ¹	3
CIS 185	Information Systems Essentials ¹	3
CMP 120	Seminar in Writing and Rhetoric	3
GSC 115	Introduction to Global Supply Chain Mgt.	3
MSD 105	Quantitative Methods for Business ²	3
Semester Credit Hours		15
Spring Semester		
CMP 125	Seminar in Writing and Research	3
ECO 200	Principles of Macroeconomics	3
MKT 200	Marketing Principles	3
MSD 205	Business Statistics ²	3
Liberal Arts Elective 1 ³		3
Semester Credit Hours		15

Year 2

Fall Semester

ACC 210	Introduction to Accounting	3
BDA 201	Introduction to Business Analytics	3
COM 290	Professional/Strategic Speech	3
ECO 201	Principles of Microeconomics	3
MGT 201	Fund Management & Org Behavior	3
Semester Credit Hours		15

Spring Semester

ACC 220	Managerial Uses of Accounting	3
CBA 212	Business Communications	3
CBA 236	Career Planning	3
GSC 235	Supply Chain External Focus: Customer and Supplier Logistics	3
Liberal Arts Elective 2 ³		3
Semester Credit Hours		15

Year 3

Fall Semester

FIN 220	Introduction to Finance	3
GSC 345	Customer Focus: The Customer Driven Supply Chain	3
GSC 385	Management Information Systems for Global Supply Chain Management	3
MSD 301	Operations Management	3
Liberal Arts Elective 3 ³		3
Semester Credit Hours		15

Spring Semester

BUS 300	The Legal and Ethical Environment of Business	3
GSC 355	Supply Chain Internal Focus: Firm Operations	3
Free Elective		3
Leadership Elective		3
Liberal Arts Elective 4 ³		3
Semester Credit Hours		15

Year 4

Fall Semester

GSC 491	GSC Internship	3
International Business Elective for GSC Major ⁴		3
GSC Major Elective ⁵		3
Free Elective		3
Free Elective		3
Semester Credit Hours		15

Spring Semester

BUS 400	Strategic Management and Policy	3
GSC 445	Supply Chain Strategy and Design	3
GSC Major Elective ⁵		3
Free Elective		3
Free Elective		3
Semester Credit Hours		15
Total Credit Hours for Graduation		120

¹ CIS 185 and CBA 110 can be taken in the Fall or Spring of year 1.

- ² Students may be required to take MSD 104 Intro to Quantitative Methods based on placement. MSD 104 counts as a 3-credit Free Elective.
- ³ Students must take four liberal arts electives; 3 credits must be in Natural Science, 3 credits must be in Social Science, 3 credits must be in Humanities, and 3 credits can be any course offered by the College of Arts and Sciences.
- ⁴ Students are required to complete 6 credits of International Business Electives, which for GSC majors will be fulfilled as major courses.
- ⁵ Students are required to complete 6 credits of GSC Major Electives. See the listing of GSC Major Electives on the Major Requirements page.

Notes:

- Business Honors students will have a different sequence.
- The above plan assumes no AP or other credits were transferred into Rider University.
- This plan assumes the student is taking a 3-credit GSC 491 Internship plus a 3-credit elective. GSCM majors can instead take a 6-credit GSC 399 Co-op. GSCM majors who choose the co-op option may have a different 4 year sequence of courses.
- For the Leadership Elective, choose from LDP 398 Co-op Experience Seminar, LDP 200 Foundations of Leadership, MGT 330 Ethical Management, MGT 355 Team Management, or MGT 363 Management Skills.

The following educational plan is provided as a sample only. Rider students who do not declare a major during their freshman year; who are in a Continuing Education Program; who change their major; or who transfer to Rider may follow a different plan to ensure a timely graduation. Each student, with guidance from their academic advisor, will develop a personalized educational plan.

Course	Title	Credits
Year 1		
Fall Semester		
CBA 110	Business in Action ¹	3
CMP 120	Seminar in Writing and Rhetoric	3
ECO 200	Principles of Macroeconomics	3
GSC 115	Introduction to Global Supply Chain Mgt.	3
MSD 105	Quantitative Methods for Business ²	3
Semester Credit Hours		15
JTerm		
Liberal Arts Elective 1 ³		3
Semester Credit Hours		3
Spring Semester		
CIS 185	Information Systems Essentials ¹	3
CMP 125	Seminar in Writing and Research	3
ECO 201	Principles of Microeconomics	3
MKT 200	Marketing Principles	3
MSD 205	Business Statistics	3
Semester Credit Hours		15
Summer Semester		
ACC 210	Introduction to Accounting	3
Liberal Arts Elective 2 ³		3
Semester Credit Hours		6

Year 2

Fall Semester

BDA 201	Introduction to Business Analytics	3
CBA 236	Career Planning	3
COM 290	Professional/Strategic Speech	3
FIN 220	Introduction to Finance	3
MGT 201	Fund Management & Org Behavior	3
Free Elective		3
Semester Credit Hours		18

JTerm

Free Elective		3
Semester Credit Hours		3

Spring Semester

ACC 220	Managerial Uses of Accounting	3
CBA 212	Business Communications	3
GSC 235	Supply Chain External Focus: Customer and Supplier Logistics	3
GSC 385	Management Information Systems for Global Supply Chain Management	3
Free Elective		3
Leadership Elective		3
Semester Credit Hours		18

Summer Semester

MSD 301	Operations Management	3
Free Elective		3
Semester Credit Hours		6

Year 3

Fall Semester

BUS 300	The Legal and Ethical Environment of Business	3
GSC 345	Customer Focus: The Customer Driven Supply Chain	3
GSC 355	Supply Chain Internal Focus: Firm Operations	3
GSC 491	GSC Internship	3
GSC Major Elective ⁵		3
GSC Major International Business Elective ⁴		3
Semester Credit Hours		18

JTerm

Liberal Arts Elective 3 ³		3
Semester Credit Hours		3

Spring Semester

BUS 400	Strategic Management and Policy	3
GSC 445	Supply Chain Strategy and Design	3
GSC Major Elective ⁵		3
Free Elective		3
Liberal Arts Elective 4 ³		3
Semester Credit Hours		15
Total Credit Hours for Graduation		120

¹ CIS 185 Information Systems Essentials and CBA 110 Business in Action can be taken in the Fall or Spring of Year 1.

² Students may be required to take MSD 104 (<http://catalog.rider.edu/search/?P=MSD%20104>) Intro to Quantitative Methods based on

placement. MSD 104 (<http://catalog.rider.edu/search/?P=MSD%20104>) counts as a 3-credit Free Elective.

- ³ Students must take four liberal arts electives; 3 credits must be in Natural Science, 3 credits must be in Social Science, 3 credits must be in Humanities, and 3 credits can be any course offered by the College of Arts and Sciences.
- ⁴ Students are required to take 6 credits of International Business Electives which can be fulfilled as major courses or as free elective courses.
- ⁵ Students are required to complete 6 credits of GSC Major electives. See the listing of GSC Major Electives on the Major Requirements page.

Notes:

- The above plan assumes no AP or other credits were transferred into Rider University.
- Business Honors students will have a different sequence.
- This plan assumes the student is taking a 3-credit GSC 491 Internship plus a 3-credit elective. GSCM majors can instead take a 6-credit GSC 399 Co-op. GSCM majors who choose the co-op option may have a different 3 year sequence of courses.
- For the Leadership Elective, choose from LDP 398 Co-op Experience Seminar, LDP 200 Foundations of Leadership, MGT 330 Ethical Management, MGT 355 Team Management, or MGT 363 Management Skills.

Courses and Descriptions

GSC 115 Introduction to Global Supply Chain Mgt. 3 Credits

This course introduces students to components of global supply chains and issues of managing the global supply chain. It is designed as a survey course to give first or second year business students a general view of supply chain management at both domestic and international levels, as well as familiarize them with basic concepts and major challenges of supply chain management. Delivery of course material will include lectures and guest speakers from industry, and in-class logistics mini cases.

GSC 235 Supply Chain External Focus: Customer and Supplier Logistics 3 Credits

This course is a detailed discussion of some of the major issues and components of supply chain management that are mainly external to an organization. In other words, it provides an "outward looking" perspective of supply chain management. Topics to be covered include sourcing, procurement, transportation, customer logistics, and distribution. The linkages to internal issues and components of supply chain will be made.

Prerequisite(s): GSC 115.

GSC 290 Strategic Sourcing and Procurement 3 Credits

Sourcing and procurement are vital components of a well-functioning and efficient supply chain. Obtaining raw materials, components, finished and semi-finished goods, critical technology, and essential services from different suppliers and countries with different languages, currencies, legal and cultural norms is a complex and risky task and made essential due to the value of these activities to the bottom-line of any global business today. Additionally, globalization raises issues involving not just costs but reliability, quality, credibility, product safety, product liability, and related social, ethical, governance, and environmental impact. In this course, students will learn and apply the concepts, principles, and techniques required to manage the sourcing process effectively. Topics include purchasing, outsourcing, materials management, inventory management, forecasting, price and cost analysis, transportation analysis, supplier selection, negotiation strategies, auctions, and legal framework. Students will apply the concepts covered in lectures, articles, case study analysis, a team project, and discussions. Additionally, a special component of this course will include participating in a multi-week real world procurement simulation where students will have an opportunity to interact in a purchasing process with senior industry procurement executives. The simulation will both teach and allow students to participate in developing and implementing bidding and negotiating strategies in real world vendor-customer relationships. Sophomore standing or higher.

Prerequisite(s): GSC 115 or GSC Certificate Student.

GSC 315 International Business Tour 3 Credits

GSC 345 Customer Focus: The Customer Driven Supply Chain 3 Credits

Marketing and supply chain management programs are concerned with the creation and delivery of value to customers and organizations. No longer simply the domain of the warehouse manager or logistics director, supply chain management is viewed by most companies as a mission critical element. Marketing focuses on developing an understanding of customers and markets, creating products and services based on that understanding, and communicating and delivering the value added. This course will teach the student the essential role of marketing in all aspects of successful supply chain management - relationship management, technological and financial management - and it will help the student understand the structure, functions, principles and methods employed in discovering and translating consumer needs and wants into product and service specifications, and then transferring these goods and services from producers to consumers or end users.

Prerequisite(s): GSC 115 and MKT 200.

GSC 355 Supply Chain Internal Focus: Firm Operations 3 Credits

This course is a detailed discussion of some of the major issues and components of supply chain management that are mainly internal to an organization. In other words, it provides an "inward looking" perspective of supply chain management. Topics to be covered include: manufacturing, quality, product design, inventory, and warehousing. The linkages to external issues and components of supply chain will be made.

Prerequisite(s): GSC 115 and MSD 301.

GSC 375 Adv.Sem in Global Outsourcing 3 Credits

The course is aimed at generating a comprehensive understanding of the emergent domain of global business process outsourcing. Various referred to as knowledge process outsourcing, IT-enabled services outsourcing, and business services outsourcing, the industry has seen enormous growth over the last decade and continues to grow. India commands the single largest share of this market but South Africa, Eastern Europe, Philippines, Morocco and Egypt have all emerged as other contenders in this global sector. The course is divided into four modules: the political economy of global outsourcing, process modeling, outsourcing management, and industry analysis. Please note: Students will not receive credit for both CIS 375 and GSC 375.

Prerequisite(s): junior standing.

GSC 385 Management Information Systems for Global Supply Chain Management 3 Credits

The purpose of this junior level management information systems course is to prepare students for today's dynamic business environment by increasing their understanding of IT-enabled global information processing and management. This course has a specific emphasis on the impact and effective utilization of information systems and technology for the global supply chain. Students will gain a solid understanding of the value of business process integration through a combination of conceptual learning, business process analysis, and collaborative decision-making. This will be facilitated through hands-on experience with SAP ERP and analytical software as well as Microsoft Excel. GSC 385 is required for the Global Supply Chain Management major and can fulfill the CIS 385 requirement for all business majors. Please note: Students will not receive credit for both GSC 385 and CIS 385 without prior approval by the Dean's office.

Prerequisite(s): CIS 185 and junior standing.

GSC 399 GSC Co-op Program 6 Credits

The co-op program provides students with an opportunity to work full-time in an organization and apply what they have learned in their global supply chain and other business classes. It also enhances students' employment opportunities since many employers use a co-op program as a first-step before they hire full-time employees. Eligible students include junior and senior global supply chain management majors with a minimum GPA of 3.0. The six credits are intended to be used as business electives, but it is also possible for them to be used as a combination of business and free electives.

Prerequisite(s): GSC 115 plus one additional course within the global supply chain management major, and permission of instructor.

GSC 445 Supply Chain Strategy and Design 3 Credits

This course introduces the student to the concepts and techniques necessary to design and operate global supply chains. It covers some of the strategic issues of managing a global supply chain and emphasizes the importance of understanding the organization, its value chain, industry, competitors, suppliers, and customers in a global framework. The course covers various strategies as well as different supply chain design models and approaches for efficient and effective supply chain operation.

Prerequisite(s): GSC 235 and GSC 355.

GSC 490 The GSC Consulting Elective 3 Credits

This is a special topics Independent Research and Study course. A Global Supply Chain professor will supervise a semester long project in which a team of students completes a consulting project for one or more local firms. The consulting project, which will be determined by the GSC faculty and local firm(s), provides valuable experience for students on the

team as they perform analysis of important supply chain and logistics problems that a local firm must address. The work includes analytic and research activities, and culminates in a recommendation on how the firm should address the logistics/supply chain issues that it had engaged the student team to evaluate. This experience also provides valuable lessons on how to work with clients, and how to develop and make presentations to effectively communicate recommendations.

Prerequisite(s): GSC 115 and permission of instructor.

GSC 491 GSC Internship 3 Credits

The Global Supply Chain Management (GSCM) Program formally sponsors an internship in global supply chain management. The intention of the course is to supplement theoretical foundations and other material introduced in the classroom with an opportunity to work in a sponsoring organization. Through the internship experience, the student will get a chance to see how supply chains are managed and will get a chance to apply supply chain concepts for themselves. If used in place of the co-op, internship credits will count toward GSCM major requirements, but can also be used as a business or free elective.

Prerequisite(s): GSC 115 plus one additional course within the GSCM major, and permission of instructor.