

**HOWARD UNIVERSITY SCHOOL OF BUSINESS**  
Accredited by AACSB-International

**Undergraduate Curriculum**  
**SUPPLY CHAIN MANAGEMENT**

**FIRST YEAR**

<b>FIRST SEMESTER</b>		<b>HRS</b>	<b>SECOND SEMESTER</b>		<b>HRS</b>
ENGW-XXX	English Writing Requirement	3	ENGW-XXX	English Writing Requirement	3
MATH-010	College Algebra II *	4	MATH-026	Applied Calculus *	4
	Foreign Language ①	3		Foreign Language (Level 2+)	3
	History or Political Science Elective ①	3	PSYC-050	Intro to Psychology	3
INFO-010	Business Problem Solving	2	HHPL-XXX	Physical Education- Activity	1
<b>MGMT-010</b>	<b>Business Orientation</b>	<u>1</u>	<b>MGMT-011</b>	<b>Business Orientation II</b>	<u>1</u>
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>15</b>

**SECOND YEAR**

<b>FIRST SEMESTER</b>			<b>SECOND SEMESTER</b>		
ECON-001	Principles of Economics I	3	ECON-002	Principles of Economics II	3
<b>ACCT-201</b>	<b>Accounting Principles I</b>	3	<b>ACCT-202</b>	<b>Accounting Principles II</b>	3
<b>INFO-204</b>	<b>Management Info Systems</b>	3		Afro-American Elective ①	3
<b>ECON-180</b>	<b>Statistics-Bus &amp; Economics</b>	3		Literature Elective ①	3
HHPL-XXX	Physical Education- Health ①	1	<b>BCOM-320</b>	<b>Business Communication</b>	<u>3</u>
<b>MGMT-001</b>	<b>Career Counseling</b>	<u>1</u>			
	<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>15</b>

**THIRD YEAR**

<b>FIRST SEMESTER</b>			<b>SECOND SEMESTER</b>		
<i>SCHM-211</i>	<i>Intro to Logistics</i>	3	<b>INFO-335</b>	<b>Production &amp; Operations Mgmt</b>	3
<b>INFO-311</b>	<b>Quantitative Bus. Analysis</b>	3	<i>SCHM-340</i>	<i>Procurement</i>	3
<b>MGMT-301</b>	<b>Management &amp; Org Behavior</b>	3	<b>BLAW-305</b>	<b>Business Law I</b>	3
<b>FINA-311</b>	<b>Finance Principles</b>	3	<b>BECN-330</b>	<b>Managerial Economics</b>	3
<b>MKTG-301</b>	<b>Principles of Marketing</b>	<u>3</u>		Science Elective ①	3-4
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15-16</b>

**FOURTH YEAR**

<b>FIRST SEMESTER</b>			<b>SECOND SEMESTER</b>		
<i>SCHM-396</i>	<i>Project Management</i>	3	<i>SCHM-XXX</i>	<i>SCHM Elective ②</i>	3
<i>SCHM-XXX</i>	<i>SCHM Elective ②</i>	3	<i>SCHM-390</i>	<i>Supply Chain Integration</i>	3
<i>SCHM-XXX</i>	<i>SCHM Elective ②</i>	3	<b>MGMT-351</b>	<b>Entrepreneurship</b>	3
PHIL-XXX	Philosophy Elective ①	3	<b>MGMT-390</b>	<b>Business Policy</b>	3
Non-Business Elective		<u>3</u>		Non-Business Elective	3
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15</b>

**Minimum semester credits required for GRADUATION: 120**

\*A GRADE OF "C" OR BETTER MUST BE EARNED IN EACH OF THE TWO REQUIRED MATH COURSES IN ORDER TO FULFILL THE MATH REQUIREMENT AND IN ORDER TO ENROLL IN EACH AND EVERY SCHOOL OF BUSINESS JUNIOR-LEVEL AND SENIOR-LEVEL COURSE. ONLY 4 CREDIT HOURS WILL BE AWARDED FOR EACH REQUIRED MATH COURSE. AN AVERAGE OF AT LEAST A GRADE OF "C" MUST BE EARNED IN ACCOUNTING PRINCIPLES I AND ACCOUNTING PRINCIPLES II.

① See the *General Education Electives Sheet* in order to determine the courses that fulfill these requirements.

② See the *Course Requirements for the Major Sheet* in order to determine the courses that fulfill these requirements.

Course names in **bold** are those courses that comprise the business core. Course names in *italics* are those courses that are required for the major. Many of the courses listed above require prerequisites. For more information see the *Course Prerequisite Information Sheet*. Any student who has enrolled in a course without the proper prerequisite(s) will be withdrawn from the course.

The course *underlined and italicized* is the Capstone for the major. This course integrates specific knowledge and skill sets acquired from previous courses within the discipline and features comprehensive assessments of cumulative student learning.

The course **underlined and in bold** is the Capstone course for the undergraduate business curriculum. This course integrates the knowledge and skills sets acquired from courses in different disciplines and features comprehensive assessments of students' competency in solving complex, interdisciplinary business problems.

## COURSE REQUIREMENTS FOR THE MAJOR SUPPLY CHAIN MANAGEMENT

REQUIRED COURSES	COURSE#	PREREQUISITES
INTRODUCTION TO LOGISTICS	SCHM 211	Applied Calculus (MATH 026) <i>or</i> Calculus I (MATH 156), Statistics-Business & Economics (ECON 180), <i>and</i> Management Information Systems (INFO 204); Junior Standing
PROCUREMENT	SCHM 340	Applied Calculus (MATH 026) <i>or</i> Calculus I (MATH 156), Statistics-Business & Economics (ECON 180), <i>and</i> Management Information Systems (INFO 204); Junior Standing
SUPPLY CHAIN INTEGRATION	SCHM 390	Procurement (SCHM 340) <i>and</i> Introduction to Logistics (SCHM 211); Senior Standing
PROJECT MANAGEMENT	INFO 396	Production & Operation Management (INFO 335); Junior Standing
<b>3 COURSES FROM THE FOLLOWING ELECTIVES</b>		
QUALITY & RELIABILITY MANAGEMENT	SCHM 341	Production & Operation Management (INFO 335) <i>and</i> Management Information Systems (INFO 204); Junior Standing
NEGOTIATION FUNDAMENTALS	SCHM 360	Applied Calculus (MATH 026) <i>or</i> Calculus I (MATH 156) <i>and</i> Management Information Systems (INFO 204); Junior Standing
INTRODUCTION TO GOVERNMENT ACQUISITIONS	SCHM 365	Procurement (SCHM 340); Junior Standing
SEMINAR- INFORMATION TECHNOLOGY IN BUSINESS AND SUPPLY CHAIN MANAGEMENT	SCMH 375	Applied Calculus (MATH 026) <i>or</i> Calculus I (MATH 156) <i>and</i> Management Information Systems (INFO 204); Junior Standing
FINANCIAL MODELING AND ANALYSIS	FINA 363	Business Finance (FINA 312) <i>or</i> Principles of Finance (FINA 311); Junior Standing
PRINCIPLES OF INTERNATIONAL BUSINESS	INBU 300	Principles of Economics I (ECON 001), Principles of Economics II (ECON 002), Applied Calculus (MATH 026), <i>and</i> Accounting Principles II (ACCT 202); Junior Standing
INTERNATIONAL FINANCIAL MANAGEMENT	INBU 340	Finance Principles (FINA 311) <i>and</i> Principles of International Business (INBU 300); Junior Standing
BUSINESS ANALYTICS	INFO 384	Management Information Systems (INFO 204)
INTRODUCTION TO E-BUSINESS	INFO 385	Management Information Systems (INFO 204); Junior Standing
<b>TOTAL SEMESTER HOURS: 21</b>		
<b>NUMBER OF HOURS ACCEPTED IN THE MAJOR REQUIREMENTS WITH A GRADE OF "D" OR "F": 0</b>		
<b>MINIMUM CUMULATIVE AVERAGE REQUIRED IN THE MAJOR IN ORDER TO GRADUATE: 2.50</b>		

*FOR MORE INFORMATION ON SUPPLY CHAIN MANAGEMENT REQUIREMENTS AND ELECTIVES SEE YOUR FACULTY ADVISORS.  
THE DEPARTMENT OF INFORMATION SYSTEMS AND SUPPLY CHAIN MANAGEMENT IS LOCATED IN SUITE 438 AND CAN BE  
CONTACTED AT (202) 806-1510.  
The availability of courses may vary each semester.*

# Howard University School of Business

## Undergraduate

### Supply Chain Management Major Courses

#### **SCHM 211-01 Introduction to Logistics (3 credit hrs.)**

This course examines logistics and supply chain management by taking a total system approach to the management of all activities involved in physically moving and storing raw materials, inventory, and finished goods inventory from point of origin to point of use or consumption. The importance of logistics and supply chain management strategic choices to firm performance are emphasized and covered during the course. The logistics course uses logistics textbook material, websites, white papers, relevant cases and current news (e.g., Wall Street Journal) and innovations throughout course discussions. Guest speakers make presentations that provide insights on current topics and general global logistics issues.

Introduction to Logistics is a required course for a Supply Chain Management major. This course is generally taken by business school juniors in either the fall or spring semester.

#### **SCHM 340-01 Procurement (3 credit hrs.)**

This course discusses the opportunities and challenges surrounding acquiring the right product or service in the right quantity with the right quality from the right source at the right time for the right price. It provides an introduction and overview of the procurement process and its role in commercial enterprises. On-going changes in the procurement field are incorporated into the course and emerging controversies are highlighted to provide an up-to-date view of the profession. The procurement course also incorporates “hands-on” assignments using on-line e-sourcing processes and tools. Students participate in local chapters of the Institute of Supply Management (ISM NCAR) and APICS. Guest speakers make presentations that provide insights on current topics and general global procurement issues.

Procurement is a required course for a Supply Chain Management major. This course is generally taken by business school juniors in either the fall or spring semester.

### **SCHM 341-01 Quality and Reliability Management (3 credit hrs.)**

This course is designed to examine Total Quality and Reliability Management, quality processes deployment, continuous improvement and various approaches to quality design of processes and products. Additionally, concurrent product development and the integration of quality, quality analysis tools, statistical process controls, process capability studies, supplier quality assurance approaches, ISO 9000 series, and quality as a business strategy are also examined in this course.

Elements of Lean Management are also covered in context to the entire supply chain. This includes identifying opportunities to implement lean operations and processes in a global supply chain. Six Sigma processes are also covered in this course which prepares students to take the certification test upon completion of this course.

### **SCHM 360-01 Negotiation Fundamentals (3 credit hrs.)**

Negotiations are important in the context of acquiring goods and services, and is used in many other aspects of professional and personal life. The ability to negotiate successfully is essential for business success, such as in negotiating with suppliers, customers and employees over a wide range of issues. This course focuses on improving the negotiation skills of each student. It investigates the different psychological and dynamic approaches involved in maximizing negotiation results. Guest speakers provide insights on current negotiation topics and conduct negotiation exercises related to global negotiation issues.

Negotiation Fundamentals is an elective course for a Supply Chain Management major. This course is taken by juniors or seniors in either the fall or spring semester.

### **SCHM 365-01 Introduction to Government Acquisition (3 credit hrs.)**

This course provides an introduction and overview of government contracting and its unique nature, demonstrating the differences between commercial and government contracting, with a concentration on the federal system. Based on Internet on-line resources, students will cover the topics, content, and organization of the Federal Acquisition Regulation (FAR). Current reforms in the acquisition field are incorporated into the course and emerging controversies will be highlighted to provide students with an up-to-date view of the profession. Students may participate in local chapters of the National Contract Management Association.

Introduction to Government Acquisition is an elective course for a Supply Chain Management major. This course is taken by Supply Chain Management juniors or seniors during the spring semester.

## **SCHM 375-01 Information technology in Supply Chain Management (3 credit hrs.)**

This course provides an overview, insights and importance of information technology applications in support of supply chain management activities. It covers areas such as technology driven supply chain evolution, customer and service management, manufacturing planning, supplier management relationships, logistics networks and optimization and SCM technology strategies. Current innovations in information technology are incorporated into the course and emerging challenges/issues are highlighted to provide students with an understanding of the use and importance of information technology in supply chain management. The course uses IT and supply chain websites, articles, white papers, relevant cases and current news (e.g., Wall Street Journal) throughout course discussions. Guest speakers make presentations that provide insight on current topics and general global supply chain technology issues.

## **SCHM 390-01 Supply Chain Integration (Capstone) (3 credit hrs.)**

The Supply Chain Management Integration (Capstone) course encompasses all supply chain components from suppliers through manufacturing and ultimately to the customer/end user. This course examines the key supply chain components ranging from Demand Management (SIOP), Materials Management / Procurement, Fulfillment/Logistics Management, Conversion/ Manufacturing Management, Information and Financial Management plus Risk Management and Sustainability to identify the important links and interdependencies between components.

Customer and Supplier relationships are also reviewed in this course to identify key interfaces with supply chain components. Finally, this course reviews various supply chain integration pitfalls and opportunities. Guest speakers make presentations to the class to provide insight on current topics and general corporate supply chain integration issues of the day. A site visit to a local distribution center is also scheduled during the course.

Supply Chain Integration is a required course for a Supply Chain Management major. This Supply Chain Integration course is the Supply Chain Management Capstone course taken by business school seniors their final semester before graduating.

Prerequisites for this course are SCHM 340 Procurement, SCHM 211 Logistics, and SCHM 396 Project Management.

## **INFO 396-01 Project Management (3 credit hrs.)**

This course incorporates project management concepts, processes and techniques for planning and controlling resources to accomplish specific project goals. A computer tool is used during this course in assignments and cases. This course is geared towards creating skilled and desirable project managers, who are capable of planning, organizing and managing large tasks involving groups of people, diverse technologies, and large organizations. In the Project Management course students learn how to:

- Organize, schedule and manage technology-oriented and other major projects
- Use planning software such as MS Project
- Employ project selection and evaluation techniques
- Identify project cycles and phases
- Control and value project information
- Integrate decision and risk analysis and into large scale project decisions

Project Management is a required course for a Supply Chain Management major. This course is taken by business school juniors or seniors in either the fall or spring semester.

## **INFO 335-01 Production and Operations Management (POM) (3 credit hrs.)**

Production and Operations Management is a course designed to give students an introduction to the issues that affect the part of the organization that produces and supplies the goods and services to the customer. The purpose of this course is to teach students basic principles of production and operations management. It also introduces the application of these principles to actual companies and organizations. These lessons include quantitative techniques useful in making decisions and managing production within organizations.

Specific topics include manufacturing operations, planning, scheduling and systems supporting production and related operations. Quality and Reliability approaches are covered to provide students with general knowledge of the impacts. Students analyze production situations to optimize production throughput.

Production and Operations Management is a required core course for all majors in the School of Business. This course is taken by business school juniors in either the fall or spring semester.

## **INFO 384-01 Business Analytics (3 credit hrs.)**

This course provides an introduction to the field of business analytics. In this course, students learn data management, data visualization, analysis, and modeling techniques. Content analysis, and the application of selected data mining techniques is illustrated through use of large data sets. This course is conducted using lectures, project work, and case studies with presentations. As part of the business analytics course curriculum, students are trained on various open-source software tools.

Guest speakers make presentations and conduct workshops that provide insights on current big data, technology and analytics topics and future innovations.

Introduction to Business Analytics is an elective course for a Supply Chain Management major. This course is taken by Supply Chain Management seniors during the fall semester.

## **INFO 385-01 Introduction to e-Business/e-Commerce (3 credit hrs.)**

The e-Business/e-Commerce course provides an introduction to the key elements of the digital economy and the technology platform for business processes of the future. This course explores the theory, practice, and strategies for doing business on the Internet. The course topics include:

- Technology infrastructure
- Web-based tools and software for e-business/e-commerce security
- Payment systems
- Strategies for e-business/e-commerce marketing
- Purchasing
- Other supporting activities

The course also explores legal, ethics, taxation and international issues in e-commerce implementation.

Introduction to e-Business/e-Commerce is an elective course for a Supply Chain Management major. This course is taken by Supply Chain Management juniors or seniors during the fall semester.

## **FINA 363-01 Financial Modeling and Analysis (3 credit hrs.)**

This is a hands-on course conducted entirely in instructional computer labs, requiring students to work on intensive spreadsheet-based finance assignments and projects in every class, individually and in teams. This course utilizes various applications to conduct assignments (e.g., Excel, Tableau)

Financial Modeling and Analysis is a required course for finance majors and a business elective for non-finance majors (e.g., Supply Chain Management major). This course is taken by business school juniors or seniors during the fall semester.