

SUPPLY CHAIN MANAGEMENT, BACHELOR OF SCIENCE (B.S.)

The supply chain management program offers a robust foundation for diverse career opportunities covering sourcing, logistics, sustainability, operations, process, quality and inventory management. The curriculum equips students with essential qualitative and quantitative methodologies to enhance supply chain efficiency and responsiveness. Students develop analytical skills to address contemporary challenges in global supply chains and enhance organizational operations. By engaging in hand-on applications and utilizing modern analytics software, students apply their knowledge to make well-informed decisions with complex, real-world data. Our program highlights the importance of cultural competence, ensuring students are prepared for success in diverse global supply chain environments.

Learning goals

Graduates will employ knowledge of supply chain management and effectively utilize analytics tools to provide insight and solutions to complex business issues.

Student learning outcomes

Upon completing this program, students will know and know how to do the following:

1. Qualitatively assess the core responsibilities and measures of performance for supply chain functions
2. Identify and apply appropriate managerial strategies to supply chain problems
3. Quantitatively analyze the risk exposure of organizations within a supply chain and propose solutions to mitigate it
4. Evaluate the requisites and available data pertaining to analytics-based problems
5. Determine suitable analytical techniques for problem analysis and deploy those methods to facilitate decision-making
6. Employ computational tools and quantitative techniques to improve supply chain performance.

Special requirements

The admission requirements for the School of Business (<http://bulletin.vcu.edu/undergraduate/business/undergraduate-information/academic-policies/>) detail the deadlines and other requirements for students to be admitted to one of these major programs of study. The following courses must be completed before the student may declare a specific business major: ACCT 203, ACCT 204, BUSN 201 or BUSN 205, BUSN 212 or MATH 200, BUSN 225, ECON 210, ECON 211, UNIV 111, UNIV 112 and UNIV 200.

The School of Business has special academic policies (<http://bulletin.vcu.edu/undergraduate/business/undergraduate-information/academic-policies/>), including policies on transfer credits, that apply to all undergraduate degrees.

All baccalaureate degree programs in the School of Business require successful completion of the business knowledge exam as administered in BUSN 499.

Students may need to take additional mathematics courses as prerequisites to BUSN 212 or MATH 200. These credits will count as open electives in the degree program.

No more than six credits from the BUSN 16X Digital Literacy courses may be applied to the degree.

INTL 493 may not be counted toward a business degree.

Credit for SPCH 121 or SPCH 321 will substitute for BUSN 225, and no more than three credits of these courses may be applied toward a business degree. Students who earned a minimum grade of B in either ECON 203 or ECON 205 at VCU may substitute that credit for ECON 210.

The pass/fail grading policy may not be used for many course requirements. Students should check with their academic adviser before taking the pass/fail grading option.

Degree requirements for Supply Chain Management and Analytics, Bachelor of Science (B.S.)

Course	Title	Hours
General education (http://bulletin.vcu.edu/undergraduate/undergraduate-study/general-education-curriculum/)		
Select 30 credits of general education courses in consultation with an adviser.		30
Major requirements		
• Major core requirements		
SCMA 302	Business Statistics II	3
SCMA 303	Business Analytics	3
SCMA 339	Quantitative Solutions for Supply Chain Management	3
SCMA 350	Introduction to Project Management	3
SCMA 386	Global Supply Chain Management	3
SCMA 410	Logistics and Distribution Strategy	3
SCMA 420	Strategic Sourcing	3
SCMA 439	Process Management and Quality Control	3
• Restricted electives		
Select six credits from:		6
ACCT 306	Cost Accounting	
BUSN 400 & BUSN 401	Principles of Consulting and International Consulting Practicum	
FIRE 312	Financial Modeling	
INFO 320	Business Intelligence and Data Mining	
INFO 482	Introduction to Enterprise Resource Planning Systems	
MGMT 319	Leadership	
MGMT 405	Negotiation, Influence and Conflict Management	
MKTG 325	Business-to-business Marketing	

MKTG 335	Professional Selling I: The Art of Persuasion	
MKTG 340	Retail Management	
MKTG 350	Customer and Marketing Analytics	
MKTG 435	Professional Selling II: Advanced Sales Techniques	
MKTG 450	Product Development and Management	
SCMA 430	Data Management and Visualization	
SCMA 440	Data Mining and Forecasting	
SCMA 491	Topics in Supply Chain Management and Analytics	
SCMA 492	Independent Study in Supply Chain Management and Analytics	
SCMA 493	Internship in Supply Chain Management and Analytics	

Ancillary requirements

• Ancillary core requirements

ACCT 203 & ACCT 204	Introduction to Accounting I and Introduction to Accounting II	6
BUSN 225	Winning Presentations	3
BUSN 301	Career and Professional Development	1
BUSN 499	Business Knowledge Exam	0
ECON 210	Principles of Microeconomics (satisfies general education BOK for social/behavioral sciences and/or AOI for global perspectives)	3
ECON 211	Principles of Macroeconomics	3
FIRE 311	Financial Management	3
INFO 360	Business Information Systems	3
MGMT 303	Creativity and Ideation	3
MGMT 310	Managing People in Organizations	3
MGMT 434	Strategic Management	3
MKTG 301	Marketing Principles	3
SCMA 301	Business Statistics I	3
SCMA 320	Production/Operations Management	3
• Additional ancillary requirements		
BUSN 201 or BUSN 205	Foundations of Business ¹ Introduction to the World of Business	3
BUSN 212 or MATH 200	Business Problem Solving and Analysis (either satisfies general education quantitative foundations) Calculus with Analytic Geometry I	4
BUSN 323 or FIRE 325 or FIRE 459	Legal Environment of Business Real Estate Law Insurance Law	3
Open electives		
Select any course. ²		17
Total Hours		120

1

BUSN 205 satisfies general education AOI for global perspectives.

2

Students may choose electives to reach the minimum total of 120 credits.

The minimum number of credit hours required for this degree is 120.

What follows is a sample plan that meets the prescribed requirements within a four-year course of study at VCU. Please contact your adviser before beginning course work toward a degree.

Freshman year

Fall semester		Hours
UNIV 111	Focused Inquiry I (satisfies general education UNIV foundations)	3
Play course video for Focused Inquiry I		
General education course		3
General education course		3
General education course		3
Open elective (prerequisite to BUSN 212 suggested)		3

Term Hours: 15

Spring semester

BUSN 212	Business Problem Solving and Analysis (satisfies general education quantitative foundations)	4
BUSN 225	Winning Presentations	3
UNIV 112	Focused Inquiry II (satisfies general education UNIV foundations)	3
Play course video for Focused Inquiry II		
General education course		3
Open elective		3

Term Hours: 16

Sophomore year

Fall semester		
ACCT 203	Introduction to Accounting I	3
BUSN 201 or BUSN 205	Foundations of Business or Introduction to the World of Business	3
ECON 210	Principles of Microeconomics (satisfies general education BOK for social/behavioral sciences and/or AOI for global perspectives)	3
UNIV 200	Advanced Focused Inquiry: Literacies, Research and Communication (satisfies general education UNIV foundations)	3
General education course		3

Term Hours: 15

Spring semester

ACCT 204	Introduction to Accounting II	3
BUSN 301	Career and Professional Development	1
BUSN 323	Legal Environment of Business	3
ECON 211	Principles of Macroeconomics	3
MKTG 301	Marketing Principles	3
SCMA 301	Business Statistics I	3

Term Hours: 16

Junior year**Fall semester**

MGMT 303	Creativity and Ideation	3
MGMT 310	Managing People in Organizations	3
SCMA 302	Business Statistics II	3
SCMA 320	Production/Operations Management	3
SCMA 350	Introduction to Project Management	3
Term Hours:		15

Spring semester

FIRE 311	Financial Management	3
INFO 360	Business Information Systems	3
SCMA 303	Business Analytics	3
SCMA 386	Global Supply Chain Management	3
Restricted elective		3
Term Hours:		15

Senior year**Fall semester**

SCMA 339	Quantitative Solutions for Supply Chain Management	3
SCMA 420	Strategic Sourcing	3
Open electives		4
Restricted elective		3
Term Hours:		13

Spring semester

BUSN 499	Business Knowledge Exam	0
MGMT 434	Strategic Management	3
SCMA 410	Logistics and Distribution Strategy	3
SCMA 439	Process Management and Quality Control	3
Open electives		6
Term Hours:		15
Total Hours:		120

The minimum number of credit hours required for this degree is 120.