

Supply Chain Management (SCM & SCMC)

Supply Chain Management (SCM)

Students in the Supply Chain Management degree program gain the knowledge and skills needed to oversee interconnected businesses by coordinating activities among suppliers, manufacturing, warehousing operations, shipping, and customers. Students also develop understanding of processes for moving, tracking, and distributing raw or in-process materials as well as finished goods.

Graduates earn an Associate of Applied Business degree and are prepared for entry-level employment in areas such as sourcing, procurement, logistics, distribution, and manufacturing resource planning.

For more information, please contact the Business Technologies Division at (513) 569-1620.

To apply for this program at Cincinnati State, visit the Admissions (<http://www.cincinnati.state.edu/academics/admission/>) section of the College website.

Supply Chain Management Certificate (SCMC)

The Supply Chain Management Certificate prepares students for employment in several key areas of the supply chain field, including purchasing, warehousing, transportation, manufacturing, and order fulfillment.

Graduates of the certificate program also are prepared to take the Level One Supply Chain Professional certification exam offered by the Council of Supply Chain Management Professionals.

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Supply Chain Management (SCM)

Semester 1	Lec	Lab	Credits
FYE 1XX First Year Experience Elective (B)	1	0	1
MGT 101 Principles of Management (B)	3	0	3
XXX XXX Computer Skills Elective (B)	3	0	3
MAT 1XX Mathematics Elective (G)	3	0	3

SCM 105 Principles of Supply Chain Management (T)	3	0	3
Semester 2			
ACC 101 Financial Accounting (B)	2	2	3
MGT 140 Quality Management (T)	3	0	3
BUS 190 Professional Practices (B)	1	0	1
ENG 101 English Composition 1 (G)	3	0	3
SCM 115 Manufacturing Planning in Supply Chain Management (T)	3	0	3
Semester 3			
SCM X9X Cooperative Education Elective 1: Supply Chain Management (T)	1	40	2
MGT 130 Project Management (T)	3	0	3
ENG 10X English Composition Elective (G)	3	0	3
Semester 4			
SCM 110 Warehousing and Distribution (T)	2	2	3
ECO 105 Principles of Microeconomics (G)	3	0	3
MKT 101 Principles of Marketing (B)	3	0	3
SCM 210 Procurement Management (T)	3	0	3
Semester 5			
SCM 205 Inventory Management and Control (T)	3	0	3
SCM 120 Transportation Systems (T)	3	0	3
XXX XXX Arts/ Humanities or Natural/ Physical Science Elective (G)	3		3
IT 150 Logistics and Distribution Technology (T)	2	2	3
Semester 6			
SCM X9X Cooperative Education Elective 2: Supply Chain Management (T)	1	40	2
LAW 101 Business Law (B)	3	0	3
Total Credits:	58	86	63

Electives

First Year Experience Elective

FYE 100	College Success Strategies: Overview	1
FYE 105	College Success Strategies: Overview and Application	2
FYE 110	College Success Strategies: Practice and Application	3

Computer Skills Elective

IM 120	Electronic Spreadsheets: Microsoft Excel	3
IM 200	Information Systems for Managers	3
IT 105	Information Technology Concepts	3

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 105	English Composition 2: Business Communication	3

Mathematics Elective

MAT 105	Quantitative Reasoning	3
MAT 125	Algebra and Trigonometry	4
MAT 131	Statistics 1	3
MAT 151	College Algebra	4

Arts/Humanities or Natural/Physical Science Elective

Any Ohio Transfer 36 course from ART, BIO, CHE, EVS, LIT, MUS, PHI, PHY, PSC, REL, THE, or COMM 130		3
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Cooperative Education Electives (4 credit hours required)

SCM 191	Part-Time Cooperative Education 1: Supply Chain Management	1
SCM 192	Part-Time Cooperative Education 2: Supply Chain Management	1
SCM 193	Part-Time Cooperative Education 3: Supply Chain Management	1
SCM 194	Part-Time Cooperative Education 4: Supply Chain Management	1
SCM 291	Full-Time Cooperative Education 1: Supply Chain Management	2
SCM 292	Full-Time Cooperative Education 2: Supply Chain Management	2

Some courses are offered in alternative versions identified with a letter after the course number-- for example, ENG 101 and ENG 101A.

- This curriculum displays only course numbers without the added letter.
- The alternative version, when available, meets the requirements of the course version without the added letter.

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Supply Chain Management Certificate (SCMC)

Semester 1		Lec	Lab	Credits
SCM 105	Principles of Supply Chain Management	3	0	3
SCM 110	Warehousing and Distribution	2	2	3
Semester 2				
SCM 115	Manufacturing Planning in Supply Chain Management	3	0	3
SCM 205	Inventory Management and Control	3	0	3
SCM 120	Transportation Systems	3	0	3
Semester 3				
XXX XXX	Technical Elective	3	0	3
SCM 210	Procurement Management	3	0	3
Total		20	2	21
Credits:				

Electives

Technical Elective

MGT 140	Quality Management	3
CDL 110	Commercial Driver License Training	5
IT 150	Logistics and Distribution Technology	3

Some courses are offered in alternative versions identified with a letter after the course number-- for example, ENG 101 and ENG 101A.

- This curriculum displays only course numbers without the added letter.
- The alternative version, when available, meets the requirements of the course version without the added letter.

Supply Chain Management (SCM)

- Demonstrate the major functions of supply chain management: planning, acquisition, flow, and distribution of goods and services.
- Differentiate logistics and supply chain management.
- Describe alternative ways to organize for supply chain management.
- Describe methods of inventory planning.
- Utilize critical thinking in addressing issues.
- Explain how technology has and continues to change logistics and supply chain management.
- Compare modes of transportation and related policies.
- Explain purchasing processes, policies, and procedures.
- Describe warehouse processes, systems, and performance measures.
- Analyze legal and ethical issues from a global awareness perspective within the supply chain management industry.
- Identify improvement opportunities throughout the operations value stream (reduction in operational waste) and develop and implement a plan for acting on these opportunities.
- Use computer simulation to model a supply chain within a cost effective inventory, facility, location, and transportation framework.

- Discuss collaboration and communication skills and leadership styles.
- Demonstrate professionalism specific to the supply chain management industry.

Faculty

Program Chair

Lesli Rice, MBA
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Co-op Coordinator

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Courses

SCM 105 Principles of Supply Chain Management

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on fundamentals of supply chain management and operations. Topics include: logistics, distribution, warehousing, material handling, material flow, transportation, procurement, and tracking.

Prerequisites: Placement into ENG 101A

SCM 110 Warehousing and Distribution

3 Credits. 2 Lecture Hours. 2 Lab Hours.

A course on warehouse management and distribution skills, including OSHA General Industry Training and forklift operator safety training. Topics include: material handling equipment, information technology tools, receiving, order picking, shipping, inventory management, and storage.

Prerequisites: None

SCM 115 Manufacturing Planning in Supply Chain Management

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on operational frameworks, challenges, and opportunities posed by supply chain management and sustainability trends. Topics include: demand forecasting, master production planning, lean production, push and pull production systems, capacity requirements planning, and inventory management.

Prerequisites: SCM 105

SCM 120 Transportation Systems

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on laws, policies, and procedures related to transportation by ground, rail, air, and water. Topics include: planning, traffic management, environmental compliance, and relationships among suppliers, producers, and consumers.

Prerequisites: None

SCM 191 Part-Time Cooperative Education 1: Supply Chain Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BUS 190 (minimum grade C)

SCM 192 Part-Time Cooperative Education 2: Supply Chain Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: SCM 191

SCM 193 Part-Time Cooperative Education 3: Supply Chain Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: SCM 192

SCM 194 Part-Time Cooperative Education 4: Supply Chain Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: SCM 193

SCM 195 Part-Time Cooperative Education 5: Supply Chain Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: SCM 194

SCM 196 Part-Time Cooperative Education 6: Supply Chain Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: SCM 195

SCM 205 Inventory Management and Control

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on inventory management and movement of materials. Topics include: independent and dependent demand methods, material management, manufacturing principles, predicting demand, just-in-time operations, quality control, and tracking and logistics technologies.

Prerequisites: SCM 105

SCM 210 Procurement Management

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on procurement principles and practices. Topics include: strategic planning, quality control, purchasing laws and ethics, cost estimating, contract management, inventory control, and risk management.

Prerequisites: SCM 105

SCM 290 Supply Chain Management Capstone

3 Credits. 2 Lecture Hours. 2 Lab Hours.

Students use case studies and simulations to examine the entire scope of Supply Chain Management, including functional and decision-making areas such as distribution, transportation, inventory management, procurement, and logistics.

Prerequisites: SCM 210

SCM 291 Full-Time Cooperative Education 1: Supply Chain Management

2 Credits. 1 Lecture Hour. 40 Lab Hours.

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BUS 190 (minimum grade C)

SCM 292 Full-Time Cooperative Education 2: Supply Chain Management

2 Credits. 1 Lecture Hour. 40 Lab Hours.

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: SCM 291

SCM 293 Full-Time Cooperative Education 3: Supply Chain Management

2 Credits. 1 Lecture Hour. 40 Lab Hours.

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: SCM 292

SCM 294 Internship 1: Supply Chain Management

2 Credits. 1 Lecture Hour. 40 Lab Hours.

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BUS 190

SCM 295 Internship 2: Supply Chain Management

2 Credits. 1 Lecture Hour. 40 Lab Hours.

Students seeking an associate's degree participate in their second unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: SCM 294