Global Supply Chain Management, B.S.B.A.D.

Degree Offered

- Bachelor of Science in Business Administration

Nature of the Program

Global Supply Chain Management (GSCM) is a challenging and rewarding professional field that has become critical to successful companies and will continue to grow in importance, offering a broad range of career opportunities across a wide range of industries. Supply chain roles and responsibilities comprise a vast array of business functions, such as demand planning, inventory control, customer fulfillment, logistics, freight, warehousing, production planning, purchasing, sourcing, among others. The Global Supply Chain Management program at WVU provides an integrated end-to-end perspective and prepares students to view the chain of supplies as a complex and global system. Through experiential learning activities, projects with industry and government, and interaction with supply chain professionals, the program prepares students to identify critical interdependencies to lead supply chain activities effectively, rethink supply chain processes to improve performance, strategically integrate technology and innovate, and make ethical supply chain decisions. The curriculum and activities focus not only on the core technical knowledge but also on the essential leadership skills needed for a successful career in this exciting and increasingly critical field.

Entry-level job opportunities include:

- Area manager
- Business analyst
- Buyer/planner
- Category analyst
- Consultant
- Freight coordinator
- Inventory manager
- Logistics manager
- Materials planning manager
- Operational performance analyst
- Operations supervisor
- Production planning
- Supply chain analyst
- Supply chain manager

ADMINISTRATION

ASSOCIATE PROFESSOR

- Bernie F. Quiroga - Ph.D., The Pennsylvania State University
  Program Coordinator, Supply Chain Management

FACULTY

CHAIR

- Michael F. Walsh - Ph.D., University of Pittsburgh
  Chair of General Business Department

PROFESSOR

- John Saldanha - Ph.D., The Pennsylvania State University
  Sears Chair in Global Supply Chain Management, and Faculty Director, Wehrle Global Supply Chain Lab

ASSOCIATE PROFESSOR

- Bernie F. Quiroga - Ph.D., The Pennsylvania State University
  Program Coordinator, Supply Chain Management
ASSISTANT PROFESSORS
• Molly Hughes - Ph.D., The Ohio State University
• Bo (Larry) Lan - Ph.D., Iowa State University of Science and Technology
• Ashesh Sinha - Ph.D., University of Wisconsin-Madison

SERVICE ASSISTANT PROFESSOR
• Quinn Jones - B.S., West Virginia University
  Director, Wehrle Global Supply Chain Lab

TEACHING ASSISTANT PROFESSOR
• Jeremy Roberts - D.M., University of Phoenix

Admissions
For specific information regarding the admissions requirements for First Time Freshmen to the John Chambers College of Business and Economics, please visit Chambers admissions (http://catalog.wvu.edu/undergraduate/collegeofbusinessandeconomics/#admissionstext).

Students who are directly admitted to the major as first-time freshmen must possess an overall university GPA of at least 2.5 and have completed the course prerequisites listed in the table below with minimum grade of C-, unless otherwise noted, to be eligible to enroll in upper-division course work.

Students who are not directly admitted to the major (i.e. Business) will declare the major during the semester in which they satisfy the course prerequisites listed below. Applicants also must possess an overall GPA of at least 2.5 to be considered for admission to the major.

<table>
<thead>
<tr>
<th>ACCT 201 &amp; ACCT 202</th>
<th>Principles of Accounting 1 and Principles of Accounting 2</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCOR 121</td>
<td>Introduction to Business Applications</td>
<td>2</td>
</tr>
<tr>
<td>ECON 201 &amp; ECON 202</td>
<td>Principles of Microeconomics and Principles of Macroeconomics</td>
<td>6</td>
</tr>
<tr>
<td>ECON 225 or STAT 211</td>
<td>Elementary Business and Economics Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td>Introduction to Composition and Rhetoric and Composition, Rhetoric, and Research</td>
<td>3-6</td>
</tr>
<tr>
<td>Choose one of the following: a minimum of B- is needed in MATH 150 or C- in MATH 154 or MATH 155</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>MATH 124 &amp; MATH 150</td>
<td>Algebra with Applications and Applied Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 129 &amp; MATH 155</td>
<td>Pre-Calculus Mathematics and Calculus 1 *</td>
<td></td>
</tr>
<tr>
<td>MATH 150</td>
<td>Applied Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 153</td>
<td>Calculus 1a with Pre calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 154 &amp; MATH 155</td>
<td>and Calculus 1b with Pre calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 155</td>
<td>Calculus 1 *</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 23-27

A minimum grade of B- in MATH 150 is required for admission to the program. A grade of C- in MATH 154 or a higher college calculus course satisfies the calculus requirement.

Major Code: 2161
Click here to view the Suggested Plan of Study (p. 4)

General Education Foundations
Please use this link to view a list of courses that meet each GEF requirement. (http://registrar.wvu.edu/gef/)

NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.
General Education Foundations
F1 - Composition & Rhetoric
ENGL 101 Introduction to Composition and Rhetoric
& ENGL 102 Composition, Rhetoric, and Research
or ENGL 103 Accelerated Academic Writing

F2A/F2B - Science & Technology
4-6
F3 - Math & Quantitative Reasoning
3-4
F4 - Society & Connections
3
F5 - Human Inquiry & the Past
3
F6 - The Arts & Creativity
3
F7 - Global Studies & Diversity
3
F8 - Focus (may be satisfied by completion of a minor, double major, or dual degree)
9
Total Hours 31-37

Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.

Degree Requirements

University Requirements

Program Requirements

Business Core Requirements

Global Supply Chain Management Major Requirements

Total Hours 120

University Requirements

General Education Foundations (GEF) 1, 2, 3, 4, 5, 6, 7, and 8 (31-37 Credits)

Outstanding GEF Requirements 2, 4, 5, 6, and 7

BCOR 191 First-Year Seminar

General Electives

Total Hours 31

Program Requirements

ACCT 201 Principles of Accounting 1 (Minimum grade of C-)

ACCT 202 Principles of Accounting 2 (Minimum grade of C-)

BCOR 121 Introduction to Business Applications (Minimum grade of C-)

ECON 201 Principles of Microeconomics (Minimum grade of C-; may fulfill GEF 8)

ECON 202 Principles of Macroeconomics (Minimum grade of C-; may fulfill GEF 8)

Select one of the following (Minimum grade of C-; may fulfill GEF 1):
ENGL 101 Introduction to Composition and Rhetoric
& ENGL 102 Composition, Rhetoric, and Research

Select one of the following (Minimum grade of C-; may fulfill GEF 8):
ECON 225 Elementary Business and Economics Statistics
STAT 211 Elementary Statistical Inference

Select one of the following; minimum grade of B- in MATH 150 or C- in MATH 154 or higher; (may fulfill GEF 3):
MATH 124 Algebra with Applications
& MATH 150 and Applied Calculus

MATH 129 Pre-Calculus Mathematics
& MATH 155 and Calculus 1

MATH 150 Applied Calculus

MATH 153 Calculus 1a with Precalculus
& MATH 154 and Calculus 1b with Precalculus
Global Supply Chain Management, B.S.B.A.D.

MATH 155  
Calculus 1

Total Hours 26

Business Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTR 102</td>
<td>Applied Innovation Clinic</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 199</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 299</td>
<td>Business Communication (Fulfills Writing and Communication Skills Requirement)</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 320</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 330</td>
<td>Information Systems and Technology</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 340</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 350</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 360</td>
<td>Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 370</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 380</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 460</td>
<td>Contemporary Business Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 33

Global Supply Chain Management Major Requirements

Possess a minimum GPA of 2.0 for all major courses calculated using all attempted GPA hours unless excluded by the D/F repeat policy.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 331</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 350</td>
<td>Sourcing and Supply Management</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 355</td>
<td>Logistics and Distribution Management</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 360</td>
<td>Supply Chain Analytics</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 370</td>
<td>Transportation Management</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 425</td>
<td>Supply Chain Network Design</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 430</td>
<td>Supply Chain Technology</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 450</td>
<td>Supply Chain Quality Management</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 455</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>GSCM 470</td>
<td>Global Supply Chain Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 30

Suggested Plan of Study

First Year

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCOR 199</td>
<td>3 ACCT 201</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCOR 191</td>
<td>1 ECON 201 (GEF 8)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCOR 121</td>
<td>2 ENGL 101 (GEF 1)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select</td>
<td>3 Select one of the following:</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 124</td>
<td>MATH 150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 129</td>
<td>MATH 154</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 150</td>
<td>MATH 155</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 153</td>
<td>MATH 156</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 155</td>
<td>GEF (Choose from F2B, F4, F5, F6 or F7)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENTR 102</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEF (Choose from F2B, F4, F5, F6 or F7)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total 15  

Second Year

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 202</td>
<td>3 BCOR 299</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 202 (GEF 8)</td>
<td>3 BCOR 330</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 225 (GEF 8)</td>
<td>3 BCOR 340</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total 15
ENGL 102 (GEF 1) 3 BCOR 350 3
GEF (Choose from F2B, F4, F5, F6 or F7) 3 BCOR 370 3

15 15

Third Year

Fall  Hours  Spring  Hours
BCOR 360  3 ACCT 331  3
GSCM 350  3 BCOR 380  3
GSCM 355  3 GSCM 360  3
GEF (Choose from F2B, F4, F5, F6 or F7) 3 GSCM 370 3
Minor or General Electives  3 GEF (Choose from F2B, F4, F5, F6 or F7) 3

15 15

Fourth Year

Fall  Hours  Spring  Hours
BCOR 320  3 BCOR 460  3
GSCM 425  3 GSCM 455  3
GSCM 430  3 GSCM 470  3
GSCM 450  3 Minor or General Electives  6
Minor or General Electives  3

15 15

Total credit hours: 120

Major Learning Outcomes

GLOBAL SUPPLY CHAIN MANAGEMENT

Students who successfully complete the program will be prepared and competitive for entry-level positions in areas pertaining to supply chain management. These jobs include areas such as materials project manager, sourcing leader, supply chain analyst, production analyst, logistics planning, shipping and delivery management, among others.

- Graduates from the program will have the knowledge and skills to manage and coordinate all supply chain functions in an enterprise, from overseeing acquisition, internal allocation of resources, movement and storage of raw materials and inventory, to managing complex networks of supply and demand.
- They will have the knowledge and skills to lead supply chain improvement projects, to function in supply chain teams, and to perform or lead supply chain activities.
- Graduates will be able to recognize the systemic and global nature of supply chain processes and activities in the decision-making process, the interdependencies critical to effectively manage and improve performance, the role of supply chain information technology in the effective management and improvement of supply chain activities, and the complexities of global supply chain operations and related ethical issues.
- In addition, students will recognize the great potential that supply chain activities and decisions offer in terms of making a positive contribution not only to the improvement of business performance but also to society.