

# UNIVERSITY STUDIES (B.S.) SUPPLY CHAIN MANAGEMENT CONCENTRATION

Degree: Bachelor of Science

Major: University Studies

Concentration: Supply Chain Management

Total Hours: 120

## Concentration Overview

This concentration introduces students to supply chain management. Supply chain management is the study of how to design and operate efficient networks for the production and distribution of goods. Topics in supply chain management include inventory control, purchasing, transportation, pricing, and warehousing. Supply chain innovators such as Amazon, Walmart, and Toyota have transformed how people work and live. The Supply Chain Management concentration is a starting point to prepare students to work as supply chain analysts, logisticians or similar job titles (see <https://www.bls.gov/ooh/business-and-financial/logisticians.htm>).

- Earning a letter grade of C or better in ENGL 1301 Composition I and ENGL 1302 Composition II is strongly encouraged
- COMM 1321 Business and Professional Speech is preferred for the Communications core requirement; ECON 1301 Principles and Policies, ECON 2301 Principles of Economics I Macro, or ECON 2302 Principles of Economics II Micro is preferred for the Social and Behavioral Sciences core requirement; MATH 1314 College Algebra(Non-Calculus) is the preferred mathematics core requirement, and a second mathematics course is preferred in the core component area.
- All courses applied to the advanced electives block must have a letter grade of C or better.

Code	Title	Hours
<b>General Education Core Curriculum</b>		
<i>Communication</i>		
ENGL 1301	Composition I	3
ENGL 1302	Composition II	3
<i>Mathematics</i>		
MATH 1314	College Algebra(Non-Calculus)	3
<i>Life and Physical Sciences</i>		
Select two of the following: 6		
BIOL 1308	General Biology (Non-Science Majors)	
BIOL 1315	Plants and Human Society (Non-Majors)	
BIOL 1406	General Biology I (Majors)	
BIOL 1407	General Biology II (Majors)	
BIOL 2306	Environmental Science	
BIOL 2401	Anatomy and Physiology I	
BIOL 2402	Anatomy and Physiology II	
CHEM 1306	Chemistry for Allied Health Sciences	
CHEM 1308	Biochemistry for Allied Health Sciences	
CHEM 1311	General Chemistry I	

CHEM 1312	General Chemistry II
GEOL 1390	Introductory Environmental & Physical Geology
GEOL 1403	Geology I: Physical Geology
GEOL 1404	Geology II: Historical Geology
PHYS 1305	Elementary Physics I Lecture
PHYS 1307	Elementary Physics II Lecture
PHYS 1311	Introduction to Astronomy Lecture
PHYS 1401	College Physics I
PHYS 1402	College Physics II
PHYS 1405	Elementary Physics I
PHYS 1407	Elementary Physics II
PHYS 1411	Intro Astronomy
PHYS 2425	University Physics I
PHYS 2426	University Physics II
SPSC 1301	Space Exploration
SPSC 1401	Space Science

### *Language, Philosophy and Culture*

Select one of the following: 3	
DSDE 1374	Introduction to Deaf Studies
ENGL 2300	Close Reading II
ENGL 2322	British Literature
ENGL 2326	American Literature
ENGL 2331	World Literature
ENGL 2376	African-American Literature
FREN 2312	Intermediate French II
PHIL 1370	Philosophy of Knowledge
PHIL 2306	Ethics
SPAN 2312	Intermediate Spanish II

### *Creative Arts*

Select one of the following: 3	
ARTS 1301	Art Appreciation
ARTS 1303	Art History I
COMM 1375	Film Appreciation
COSC 1324	The Art of Computer Game Development
DANC 2304	Dance Appreciation
MUSI 1306	Music Appreciation
MUSI 1309	Jazz History and Appreciation
MUSI 1310	History of Rock and Roll
PHIL 1330	Arts and Ideas
THEA 1310	Theatre Appreciation

### *American History*

Select two of the following: 6	
HIST 1301	U S History I 1763-1877
HIST 1302	U S History II Since 1877
HIST 2301	Texas History

### *Government/Political Sciences*

POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3

### *Social and Behavioral Sciences*

Select one of the following: 3	
ANTH 2346	Introduction to Anthropology
ANTH 2351	Cultural Anthropology

BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
POLS 1301	Intro to Political Science	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	

*Component Area Option*

COMM 1321	Business and Professional Speech	3
Complete three unique hours from other core curriculum areas		3

**Required Major Courses**

AASC 3301	Lifelong Learning and Portfolio Development	3
AASC 4301	Senior Seminar	3
ENGL 3311	Professional Writing	3
or ENGL 3310	Technical Report Writing	

*Academic Areas<sup>2</sup>*

Supply Chain Management

INEN 3300	Industrial Engineering-Intro	3
INEN 3360	Computer Technology	3
INEN 4351	Production and Inventory Systems	3
INEN 4357	Supply Chain Management	3

Select one from the following: 3

INEN 4315	Industrial Management	
INEN 4369	Engineering Management	
INEN 4399	Special Topics (Logistics Geography )	

*Professional Development*

Select four of the following: 12

BCOM 3350	Business Communications	
COMM 3340	Interviewing	
COMM 3390	Conflict Management and Small Group Communication	

BULW 3310	Business Law	
BUAL 3330	Data Analytics in Business	
MGMT 3310	Principles of Organizational Behavior and Management	
MGMT 3320	Production Management	
MKTG 3310	Principles of Marketing	
MKTG 3350	E-Marketing	
MKTG 4380	Marketing Analytics	
MISY 3300	Database Foundations	
MISY 3310	Principles of MIS	
MISY 3321	Spreadsheets for Business Analytics	
MISY 3330	Database Design	
MISY 3341	Data Visualization	
MISY 3350	Programming for Business Analytics	
MISY 3360	Fundamentals of Software Development	
MISY 3380	Database Programming	

MISY 3390	Data Mining	
MISY 3395	E-Commerce Design and Dev	
MISY 4340	Business Intelligence and Analytics	
MISY 4370	ERP Overview	
ECON 3320	Money and Banking	
ECON 3390	Managerial Economics	
ECON 4370	Economics Analysis	
FINC 3310	Principles of Finance	
INEN 3322	Engineering Materials and Manufacturing Processes	
INEN 3323	Fundamentals of Manufacturing Processes	
INEN 3380	Work Design	
INEN 4300	Quality Improvement	
INEN 4301	Quality Control Applications	
INEN 4316	Industrial and Product Safety	
INEN 4320	Statistical Decision Making in Engineering	
INEN 4331	Technology Entrepreneurship	
INEN 4350	Production & Inventory Control	
INEN 4354	Lean Manufacturing	
INEN 4375	Simulation of Industrial Systems	
INEN 4376	Occupational Ergonomics	
INEN 4394	Engineering Database Design	
INEN 4396	Automated System Engineering	
PSYC 3340	Industrial Psychology	

**Electives**

Elective courses	36
Upper-level courses	6

**Total Hours 120**

- At least 3 hours must be from one of the MATH courses listed in this section.
- At least 12 hours of senior-level credit (3000-4000 level) between this and academic areas are required for degree completion. A minimum grade of C is required for all courses in these sections.

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
ENGL 1301	Composition I	3
Mathematics Core		3
American History Core		3
Communication Core		3
Creative Arts Core		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
ENGL 1302	Composition II	3
Core Component Area		3
American History Core		3
Social and Behavioral Science Core		3
Elective		3
<b>Hours</b>		<b>15</b>
<b>Second Year</b>		
<b>Fall</b>		
POLS 2301	Intro to American Government I	3
Life/Physical Science Core		3
Language, Philosophy, Culture Core		3

Elective		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
POLS 2302	Intro/American Government II	3
Life/Physical Science Core		3
Elective		9
<b>Hours</b>		<b>15</b>
<b>Third Year</b>		
<b>Fall</b>		
AASC 3301	Lifelong Learning and Portfolio Development	3
INEN 3300	Industrial Engineering-Intro	3
INEN 3360	Computer Technology	3
ENGL 3310 or ENGL 3311	Technical Report Writing or Professional Writing	3
Elective		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
INEN Area Course		3
Professional Development Area Course		6
Elective		6
<b>Hours</b>		<b>15</b>
<b>Fourth Year</b>		
<b>Fall</b>		
INEN 4351	Production and Inventory Systems	3
INEN 4357	Supply Chain Management	3
Professional Development Area Course		6
Elective		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
AASC 4301	Senior Seminar	3
Advanced Elective		6
Elective		6
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>