

# Business Administration BS, Supply Chain Management Emphasis

## General Education Requirements

All Business majors must meet the university general education requirements (<http://bulletin.umsl.edu/generaleducationrequirements/>). As part of meeting the university's general education requirements, all Business majors must complete the prerequisite courses below :

|           |  |   |
|-----------|--|---|
| ECON 1001 | Principles of Microeconomics (MOTR ECON 102) | 3 |
| ECON 1002 | Principles of Macroeconomics (MOTR ECON 101) | 3 |
| MATH 1030 | College Algebra (MOTR MATH 130)              | 3 |
| MATH 1100 | Basic Calculus                               | 3 |
| MATH 1105 | Basic Probability and Statistics             | 3 |

## Degree Requirements

All Business majors must meet College of Business G.P.A., good standing and credit requirements (<http://bulletin.umsl.edu/collegeofbusinessadministration/#undergraduatestudytext>) as outlined in the Bulletin.

## Lower Division Business Core Requirements

|             |   |    |
|-------------|---|----|
| ACCTNG 2400 | Fundamentals of Financial Accounting          | 3  |
| ACCTNG 2410 | Managerial Accounting                         | 3  |
| BUS AD 2900 | Legal Environment of Business                 | 3  |
| INFSYS 2800 | Information Systems Concepts and Applications | 3  |
| Total Hours |   | 12 |

## Upper Division Requirements

|           |                  |   |
|-----------|------------------|---|
| ENGL 3120 | Business Writing | 3 |
|-----------|------------------|---|

## Upper Division Non-Business or Business Requirement

Two global awareness courses selected from an approved list maintained in the Office of Undergraduate Academic Advising in the College of Business Administration; also available on our web site ([http://www.umsl.edu/divisions/business/undergrad\\_advising/Undergraduate%20Programs/requirements.html#global](http://www.umsl.edu/divisions/business/undergrad_advising/Undergraduate%20Programs/requirements.html#global)). (<http://www.umsl.edu/divisions/business/>)

## Upper Division Business Requirements

|              |   |   |
|--------------|---|---|
| ENT 3100     |   |   |
| ENT 3100     | Applications of Entrepreneurship <sup>1</sup> | 3 |
| FINANCE 3500 | Financial Management                          | 3 |
| SCMA 3300    | Business Analytics and Statistics             | 3 |
| SCMA 3301    | Introduction to Supply Chain Management       | 3 |

|  |  |    |
|--|--|----|
| MGMT 3600  | Management and Organizational Behavior | 3  |
| MGMT 4219  | Strategic Management                   | 3  |
| MKTG 3700  | Basic Marketing                        | 3  |
| A minimum of 15 additional hours of upper division approved business electives |  | 15 |
| Total Hours  |  | 36 |

<sup>1</sup> Course is required for BS Accounting and all BS Business Administration majors.

## Assessment Requirement

|           |                             |   |
|-----------|-----------------------------|---|
| MGMT 4220 | Business Assessment Testing | 0 |
|-----------|-----------------------------|---|

## Emphasis Area Requirements

The study of supply chain management focuses on the whole supply chain from the acquisition of raw materials, through production or service delivery, to the point of consumption.

Twelve (12) credit hours are required of all individuals seeking an emphasis in Supply Chain Management:

|           |   |   |
|-----------|---|---|
| SCMA 3320 | Advanced Supply Chain and Operations Management | 3 |
|-----------|---|---|

Select three of the following courses: 9

|                     |   |    |
|---------------------|---|----|
| SCMA 3321           | Procurement   |    |
| SCMA 3345           | Predictive Analytics and Data Mining                    |    |
| SCMA 3370/MKTG 3770 | Introduction to Transportation                          |    |
| SCMA 3371/MKTG 3771 | Traffic and Transportation Management                   |    |
| SCMA 3376/MKTG 3776 | Transportation Security and Risk                        |    |
| SCMA 3390           | Internship in Supply Chain and Analytics <sup>1</sup>   |    |
| SCMA 3398           | Seminar in Supply Chain Management and Analytics        |    |
| SCMA 3399           | Independent Study in Supply Chain and Analytics         |    |
| SCMA 4322           | Lean Production in Manufacturing and Service Operations |    |
| SCMA 4325           | Environmental Sustainability in Business Operations     |    |
| SCMA 4330           | Business Logistics                                      |    |
| SCMA 4331           | Applied Supply Chain Modeling                           |    |
| SCMA 4347           | Introduction to Project Management                      |    |
| SCMA 4350           | Prescriptive Analytics and Optimization                 |    |
| SCMA/INTL BUS 4381  | Global Supply Chain Management                          |    |
| SCMA 4389           | Supply Chain Management Practicum <sup>1</sup>          |    |
| SCMA 4398           | Advanced Topics in Supply Chain and Analytics           |    |
| Total Hours         |   | 12 |

<sup>1</sup> At most, only one of SCMA 3390 and SCMA 4389 may be counted towards the Supply Chain Management emphasis area.

**Tracks**

Students may combine selected courses from the list above, and other specified upper division business electives, to fulfill a designated track and acquire in-depth knowledge. Detailed information is available in the Office of Undergraduate Academic Advising. The specific tracks available include:

- Supply Chain Management
- Transportation
- Business Analytics

**Learning Outcomes**

Upon completion of the program, graduates will be able to:

- Articulate and apply foundational knowledge associated with core business disciplines (accounting, finance, supply chain management, marketing, information technology, and management). (Functional Business Knowledge)
- (a) Identify business problems and opportunities, (b) analyze relevant strategic, tactical, and operational options through qualitative and quantitative methods in order to (c) make recommendations and provide the rationale behind decisions. (Decision Making Skills)
- Identify and evaluate global business factors, including the opportunities, constraints and risks of operating across various country environments. (Global Orientation)
- Identify legal/ethical issues, assess impact, and decide on a socially responsible course of action. (Ethical Orientation)
- Students will be able to effectively communicate business issues, analyses and recommendations in written and oral presentations to stakeholders. (Business Communication Skills)
- Develop technological and quantitative skills, including those associated with statistics, data visualization and analysis, project management, social media, and those commensurate with their business specialization. (Technological Skills)
- Demonstrate interpersonal skills to collaborate within diverse teams, effectively engage with stakeholders in a professional manner, and develop leadership skills. (Interpersonal Skills)
- Explain basic concepts in supply chain management related to areas such as purchasing, production, operations, logistics, integration and reverse supply chains.
- Apply descriptive, predictive and prescriptive analytics for decision-making in supply chains, such as demand planning, supply chain network design, production planning, inventory control and transportation.
- Analyze supply chain related problems and justify data-driven solutions with business acumen.

**Sample Four Year Plan**

**First Year**

| Fall                            | Hours | Spring                             | Hours |
|---------------------------------|-------|------------------------------------|-------|
| MATH 1030                       |       | 3 MATH 1100                        | 3     |
| ENGL 1100                       |       | 3 ECON 1001                        | 3     |
| BUS AD 1000                     |       | 3 INFSYS 2800                      | 3     |
| INFSYS 1800                     |       | 3 EXPLORE - Humanities & Fine Arts | 3     |
| EXPLORE- Humanities & Fine Arts |       | 3 EXPLORE - Math & Sciences        | 3     |
|                                 |       | 15                                 | 15    |

**Second Year**

| Fall      | Hours | Spring        | Hours |
|-----------|-------|---------------|-------|
| MATH 1105 |       | 3 ACCTNG 2410 | 3     |

|                                  |   |                                  |    |
|----------------------------------|---|----------------------------------|----|
| ACCTNG 2400                      | 3 | BUS AD 2900                      | 3  |
| ECON 1002                        | 3 | SCMA 3301                        | 3  |
| CORE - Communication Proficiency | 3 | EXPLORE - Humanities & Fine Arts | 3  |
| CORE - US History & Government   | 3 | Cultural Diversity               | 3  |
|                                  |   | 15                               | 15 |

**Third Year**

| Fall                   | Hours | Spring                    | Hours |
|------------------------|-------|---------------------------|-------|
| SCMA 3300              |       | 3 FINANCE 3500            | 3     |
| MGMT 3600              |       | 3 SCMA 3320               | 3     |
| ENGL 3120              |       | 3 MKTG 3700               | 3     |
| Non-Business Electives |       | 6 Global Awareness Course | 3     |
|                        |       | Non-Business Elective     | 3     |
|                        |       | 15                        | 15    |

**Fourth Year**

| Fall                    | Hours | Spring                                  | Hours |
|-------------------------|-------|---|-------|
| SCMA Electives          |       | 6 MGMT 4219 & MGMT 4220                 | 3     |
| Global Awareness Course |       | 3 SCMA Elective                         | 3     |
| Non-Business Electives  |       | 6 Junior/Senior Level Business Elective | 6     |
|                         |       | Non-Business Electives                  | 3     |
|                         |       | 15                                      | 15    |

Total Hours: 120

*PLEASE NOTE: This plan is an example of what a four year plan could look like for a typical student. Placement exam scores in math as well as the completion of coursework may change the plan. It should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor. All requirements are subject to change.*