**SUPPLY CHAIN MANAGEMENT**

**Description**

The College of Business at the University of Nebraska–Lincoln has established an undergraduate supply chain management major to educate students to become supply chain management professionals. Supply chain management (SCM) includes all the activities that must take place to get the right products and services into the right customer's hands in the right quantity at the right time—from raw material extraction to consumer purchase.

The topics that SCM covers are diverse and include procurement, order fulfillment, inventory management, supplier relationship management, product development and commercialization, returns management, physical distribution and shipping, warehousing, and outsourcing. With the depth and breadth of issues that it encompasses, industries that use SCM tools and approaches include transportation, hospitals, government organizations, construction, processing, social services, electronics, facility design, manufacturing, and warehousing.

The coursework for the supply chain management major (bachelor of science in business administration) consists of 120 credit hours, 33 of which are specific to the major. A focus of the coursework is developing the three foundational areas of supply chain management: procurement, logistics, and operations. The program offers integration among these critical, value-adding components to enhance global competitiveness. Twenty-one (21) hours of required coursework is intended to provide students with an understanding of supply chain and logistic activities, development of strong quantitative and analytic skills, and introduction to tools to explore and improve a system. Students will complete an additional 12 hours of coursework from directed electives in supporting fields such as accounting, economics, finance, management, or marketing.

**Admission**

Admission requirements for all majors in the College are the same as those for university admission as noted under University General Admission Requirements.

**COLLEGE REQUIREMENTS**

**College Admission**

The entrance requirements for the College of Business (CoB) are the same as the University of Nebraska–Lincoln General Admission Requirements.

**Admission Deficiencies/Removal of Deficiencies**

Students admitted to the College of Business with core course deficiencies are advised to remove these deficiencies as soon as possible.

College-level coursework taken to remove deficiencies MAY NOT be used to meet degree requirements in the College.

**Honors Program**

**Nebraska Business Honors Academy**

The Nebraska Business Honors Academy is a unique cohort-based program for high-ability students with demonstrated leadership potential. The goal of the Academy is to develop critical thinking, problem-solving, and communications skills to prepare graduates to be strategic decision-makers and innovators. The Academy combines a rigorous curriculum (including approximately 40 credit hours of cohort-based courses) with leadership training, co-curricular activities, and corporate involvement.

Nebraska Business Honors Academy requirements differ from those listed in the catalog. Students work closely with the Academy's advisors on appropriate sequencing and enrollment in Academy-specific requirements.

**Jeffrey S. Raikes School of Computer Science and Management**

The purpose of the Jeffrey S. Raikes School of Computer Science and Management is to produce unique graduates who combine business knowledge and computing fundamentals for enterprise information and software systems. Graduates will be professionals who understand the multiple levels of new information systems and who become the technology sector's innovators, product developers, entrepreneurs, chief information officers, and CEOs. Students interested in learning more about the Jeffrey S. Raikes School of Computer Science and Management program and curriculum requirements (which may differ from those listed here) are encouraged to call 402-472-6000 or visit the Jeffrey S. Raikes program website (https://raikes.unl.edu). Students may also reference the Jeffrey S. Raikes School of Computer Science and Management catalog section under Academic Programs and Policies.

**College Degree Requirements**

**Overview of College Degree Requirements**

The curriculum requirements for the College consist of coursework in three areas. All coursework (except electives and where otherwise noted) must be taken for a grade.

1. **Non-Business Requirements (NBR)**

   • Consist primarily of College and University ACE (Achievement-Centered Education) coursework

2. **Business Core**

   • Foundation (BCF), which also includes ACE 6 & 8
   • Intermediate (BCI)
   • Advanced-Major (BCA-M)
   • Advanced-Capstone (BCA-C), (ACE 10)

3. **Electives**

**Non-Business Requirements (NBR)**

(Most of the ACE requirements)

**Eight Courses (normally 24-26 hours)**

All students in the College of Business will take the following non-business courses (unless otherwise noted).

   • While NBR 1, 2, 7, and 8 identify specific ACE options to choose from or identify an ACE course specifically required for the College, NBR 3, 4, 5, and 6 allow students to select courses according to their personal interests (and meet ACE 4, 5, 7, and 9).

   • Most students will take coursework to fulfill these requirements during the freshman/sophomore year. However, if hours are still needed during the junior/senior year, there may also be options to 'double count' coursework for NBR 3 (ACE 4) and/or NBR 6 (ACE 9) toward the major (BCA-M) or a minor. This is likely to be of most benefit to 'transfer-in students' due to the nature of the program and when ACE requirements are traditionally taken.
All coursework for NBR must be taken for a grade.

**NBR 1: Written Communication (ACE 1)**

Choose ONE of the following:

- ENGL 150 Writing and Inquiry
- ENGL 151 Writing and Argument

Students should refer to the course descriptions to select the one course best suited to individual interests. While several communication courses may be selected to fulfill the University ACE 1 outcome, one of the above is a specific requirement for the College of Business and will fulfill both requirements with one course. ENGL 150 and ENGL 151 are restricted to first- and second-year students. Upperclass students will need to take ENGL 254 Writing and Communities as a substitute.

**NBR 2: Mathematical, Computational, Statistical or Formal Reasoning Skills (ACE 3)**

Choose ONE of the following:

- MATH 104 Applied Calculus
- MATH 106 Calculus I

Any advanced calculus course above the 106 level

Notes regarding the selection of coursework for NBR 2 (ACE 3):

- **Credit cannot be given for both MATH 104 and MATH 106.** Students must determine the appropriate course early in their program.
- A first-semester student’s score on the Math Placement Exam will determine eligibility for MATH 104 or MATH 106. The student should select between these classes based on the following sets of circumstances:
  - Actuarial science majors **MUST** take MATH 106 (or a higher-level calculus).
  - Actuarial science majors will also take MATH 107 Calculus II and MATH 208 Calculus III and either CSCE 101 Fundamentals of Computer Science and CSCE 101L Fundamentals of Computing Laboratory or CSCE 155A Computer Science I.
  - Raikes students **MUST** take MATH 106 (or a higher-level calculus).
  - MATH 106 (or higher calculus) is **strongly encouraged** for those students majoring in accounting, majoring in finance, or considering graduate school.
  - While several courses may be selected to fulfill the University ACE 3 outcome, one of the above is a specific requirement for the College of Business and will fulfill both requirements with one course.
  - Freshman students who place below MATH 104 on the Math Placement Exam may want to consider summer school in order to maintain their sequence of courses.

**Math Placement Exam (MPE)**

Students admitted to the College of Business are required to take a Math Placement Exam prior to enrolling in the college math requirement of MATH 104 or MATH 106 (or higher math).

- The results of this examination determine which math course students will enroll in their first semester on campus.
- The Math Placement Exam may be retaken if a student feels that they are able to test into a higher level course.
- Students lacking sufficient high school preparation in math may need to enroll in equivalent high school preparatory courses, as will be determined by the MPE.
- Preparatory courses should be taken as soon as possible to avoid future sequencing problems.
- Additional information about the exam can be found at the Math Placement website (http://www.math.unl.edu/resources/undergraduate/mpe).

Whether required to enroll in preparation coursework first, as indicated on the MPE (MATH 100A Intermediate Algebra, MATH 101 College Algebra and/or MATH 103 College Algebra and Trigonometry), or in one of the required courses, it is critical to begin math the first semester on campus.

**NBR 3: The Study of Scientific Methods and Knowledge of the Natural and Physical World (ACE 4)**

Choose one course from ACE 4 Certified Courses. (Course credit will vary between 3-4 credit hours.)

- Biotechnology: Food, Health and Environment; AGRO 131 Plant Science; ENTO 115 Insect Biology; MSYM 109 Physical Principles in Agriculture and Life Sciences; NRES 108 Earth’s Natural Resource Systems Laboratory; PLPT 110 Molds and Man may be taken to fulfill the science requirement (NBR 3–ACE 4) as well as a requirement for the major (BCA-M).

**NBR 4: Study of Humanities (ACE 5)**

Choose one course from ACE 5 Certified Courses.

- International business majors – NBR 4 (ACE 5) – FREN 301 Survey of French Literature, FREN 302 Themes in French Literature; RUSS 301 Russian Cultural Studies, RUSS 302 Studies in Russian Culture and Film, RUSS 482 Russian Literature in Translation, RUSS 483 Russian Secular and Political Folklore; SPAN 305 The Analysis of Communication in Spanish, SPAN 314 Introduction to Hispanic Literature: Spain, SPAN 315 Representative Authors of Spain, SPAN 331 War and Human Rights in Latin America may be taken to fulfill NBR 4–ACE 5 as well as a requirement for a language minor or toward the major language requirement.

**NBR 5: Study of the Arts to Understand Their Context (ACE 7)**

Choose one course from ACE 7 Certified Courses.

**NBR 6: Global Awareness or Knowledge of Human Diversity Through Analysis of an Issue (ACE 9)**

Choose one course from ACE 9 Certified Courses.

Students enrolling for their first semester with junior standing (or more) will see that the list of approved courses includes a few business courses. While this section is labeled “non-business requirements,” students may elect to enroll in one of the business courses to fulfill the ACE 9 requirement as long as prerequisites are completed (which are generally reserved for juniors or seniors). Work closely with your advisor and bring this to their attention to question how this course may potentially satisfy other degree program requirements, including in major.

The options include:

- Actuarial science majors – must complete an International Business Course as part of the degree requirements. Actuarial
science majors may choose to take ECON 321 Introduction to International Economics to fulfill the IBCR as well as the global awareness requirement (NBR 6–ACE 9).

- Agribusiness majors – AECN 346 World Food Economics, AECN 367 Agricultural Development in Developing Countries, AECN 420 International Food and Agricultural Trade, AECN 425 Agricultural Marketing in a Multinational Environment, AGRI 282 Introduction to Global Agricultural and Natural Resources Issues, ENSC 110 Energy in Perspective, and HORT 200 Landscape and Environmental Appreciation may be taken to fulfill the global awareness requirement (NBR 6–ACE 9) as well as a requirement for the major.

- Business administration majors – ECON 321 and MNGT 414 International Business may be taken to fulfill the global awareness requirement (NBR 6–ACE 9) as well as a requirement for the major. (ECON 321 and MNGT 414 are also IBCR course options.)

- Economics majors – ECON 321 may be taken to fulfill the global awareness requirement (NBR 6–ACE 9) as well as a requirement for the major. (ECON 321 is also an IBCR option).

- International business majors – BSAD 320 Global Issues, BSAD 420 Global Leadership and the Culture Map, ECON 321 or MNGT 414 may be taken to fulfill the global awareness requirement (NBR 6–ACE 9) and may fill a requirement for the major. (ECON 321 or MNGT 414 are also IBCR options.)

- Management majors – MNGT 365 Managing Diversity in Organizations or MNGT 414 may be taken to fulfill the global awareness requirement (NBR 6–ACE 9) and may be able to fulfill a requirement for the major/minor depending on the option selected. (MNGT 414 is also an IBCR option.)

- An alternative to the above options is allowance of the course to count for NBR 6–ACE 9 and the associated minor—but only one or the other (major OR minor).

In any of the above instances where double counting is an option, only 3 hours of credit are awarded; students will still need to meet the 120 hours for graduation. Any course that is used for both an ACE requirement and a first major requirement is not allowed to be used towards the completion of the 300/400 upper-level requirement.

NBR 7: Business Communication (ACE 1)

BSAD 220 Business Writing

This is a business writing course that requires sophomore standing and ENGL 150 or ENGL 151 as prerequisites. While it is also an ACE 1 course, as is ENGL, BOTH are specific requirements for the College of Business.

NBR 8: Oral Communication Skills (ACE 2)

Choose one course from:

- MRKT 257 Sales Communication

- COMM 286 Business and Professional Communication

  - Due to the importance of this requirement to the business curriculum, the College recommends taking this course on campus.

  - While several other courses may be selected to fulfill the University ACE 2 requirement, COMM 286 or MRKT 257 is a specific requirement for the College of Business.

**NOTE:** In the selection of coursework for any of the above NBR’s, the term prerequisite, when stated anywhere in this catalog, means coursework that MUST BE COMPLETED to enroll in the class. Concurrent enrollment in any identified prerequisite(s) is NOT permitted unless so indicated in the course description.

### Business Core – Four Sections (approximately 62-74 hours)

- Business Core Foundation (BCF) – 18 hours
- Business Core Intermediate (BCI) – 18 hours
- Business Core Advanced–Major (BCA-M) – Hours vary from 21-33 hrs
- Business Core Advanced–Capstone (BCA-C) – 3 hours + 0 hour assessment

The foundation and intermediate courses are designed to expose students to the various business disciplines. The advanced courses are those courses identified for each of the ten majors, and the capstone course is taken in the final semester of the program. All coursework for the Business Core (except where noted differently) must be taken for a grade.

### Professional Enhancement Program (PrEP) (4 hours)

Designed to develop confident, professional, and polished business students positioned for lifelong career success, the PrEP program consists of four required 1-hour courses. These courses are labeled BSAD 111 PrEP I, Investing in Strengths; BSAD 222 PrEP II, Career Development and Planning; BSAD 333 PrEP III, Internship and Job Search Strategies; BSAD 444 PrEP IV, Professional and Life Skills, and are offered across the four-year curriculum as part of the Business Core requirements.

### Business Core Foundation (BCF) – Nine Courses (18 hours)

All students in the College of Business will take the following courses (unless otherwise noted).

All coursework (except BSAD 50, BSAD 111, BSAD 222, BSAD 333, and BSAD 444) must be taken for a grade. Raikes students are exempted from these courses.

#### BCF 1 – BSAD 111 PrEP I, Investing in Strengths

- BSAD 111
  - 1-credit-hour course (offered Pass/No Pass only).
  - Required of all new freshmen.
  - Taken as a freshman (preferably first semester).

- BSAD 111S
  - 0-credit-hour course, available exclusively to transfer students. Required of all on- and off-campus transfer students.
  - Taken as soon as possible upon transfer into the college (preferably first semester).

#### BCF 2 – BSAD 50 Business Computer Applications

- 0-credit-hour course (offered Pass/No Pass only).
- Offered twice per semester and should be taken in the **FIRST seven weeks of semester two**. It is a prerequisite for ECON 215, which is normally taken in the fall of the second year.
- Required basic-skills computer course that uses Access, Microsoft Word, PowerPoint, and Excel.
BCF 3 – SCMA 250 Spreadsheet Analytics
- 1-credit-hour course.
- ECON 215 Statistics is a prerequisite or may be taken concurrently.

BCF 4 – ACCT 201 Introductory Accounting I and ACCT 202 Introductory Accounting II
- ACCT 201
  - Sequential; take ACCT 201 first.
  - Prerequisite: Sophomore standing and a 2.5 cumulative GPA; or freshman standing with completion of MATH 104 or MATH 106 with a grade of C or better and a 2.5 cumulative GPA earned in 14 hours of UNL credit.
- ACCT 202
  - Sequential; take ACCT 202 following completion of ACCT 201.
  - Prerequisite: Sophomore standing, or freshman standing with completion of MATH 104 or MATH 106 with a grade of C or better; grade of C or better in ACCT 201; and a 2.5 cumulative GPA.
  - Grade of C or better in prerequisites is normally required for accounting courses.

BCF 5 – ECON 211 Principles of Macroeconomics and ECON 212 Principles of Microeconomics (ACE 8/6)
- Not sequential.
- Prerequisite: Completion of 12 hours of coursework.

BCF 6 – ECON 215 Statistics (ACE 3)
- Prerequisites: Sophomore standing; MATH 104 or MATH 106; BSAD 50; and a 2.5 GPA.

BCF 7 – BSAD 222 PreP II, Career Development and Planning
- 1-credit-hour course (offered Pass/No Pass only).
- Prerequisites: Major in College of Business; sophomore standing; and a 2.5 GPA.
- Taken as a sophomore.

Business Core Intermediate (BCI) – Six Courses (18 hours)
- Prerequisites for the BCI courses include MATH (NBR2), ACCT 201, ACCT 202, ECON 211, ECON 212, ECON 215, BSAD 220, and a 2.5 GPA.
- Required of all business students regardless of major (except where noted under individual courses).
- Enrollment in BCI normally occurs during the sophomore and junior years.
- All coursework must be taken for a grade.
- Sequence with the following recommendations/restrictions:
  - Plan complete sequence of intentions to take BCI (and necessary prerequisites) to remain on schedule for graduation.
  - Enroll in courses most applicable to your major as soon as possible, particularly MRKT, FINA, and SCMA, to stay on sequence for major.
  - There are exceptions to these requirements for specific majors (ACCT, MNGT, and ACTS). Please note those exceptions.
  - If transferring, a maximum of 3 hours may apply, with further restrictions on applicability, to not exceed the 15-hour limitation. For details on transfer rules, see Transfer Credit Restrictions under Course Exclusions and Restrictions.
  - See the links for each course to know the specific prerequisites and course descriptions.

BCI 1 – BLAW 371 Legal Environment or BLAW 372 Business Law I
- Accounting majors must take BLAW 372.

BCI 2 – SCMA 350 Business Analytics/Information Analysis or in certain cases MRKT 350 Marketing Analytics
- Marketing and agribusiness majors may choose to take MRKT 350, which carries an additional prerequisite of MRKT 341.
- Students must complete SCMA 250.

BCI 3 – FINA 361 Finance
- Actuarial science majors will take FINA 461 Advanced Finance to meet this requirement.

BCI 4 – MRKT 341 Marketing

BCI 5 – SCMA 331 Operations and Supply Chain Management

BCI 6 – MNGT 301 Introduction to Management

Professional Enhancement Program – Upper level
PreP – BSAD 333 PreP III, Internship and Job Search Strategies
- 1-credit-hour course (offered Pass/No Pass only).
- Prerequisites: Major in College of Business, BSAD 222; and a 2.5 GPA.
- Taken second semester of sophomore or junior year.

PreP – BSAD 444 PreP IV, Professional and Life Skills
- 1-credit-hour course (offered Pass/No Pass only).
- Prerequisites: Major in College of Business; senior standing or by permission; and a 2.5 GPA.
- Taken first or second semester of senior year.

Business Core Advanced-Major (BCA-M) – (21-33 hours)
- Coursework for the major requires completion of specific, required courses of the department, along with other guidelines.
- Refer to the Major page for a listing of requirements.
- Careful and advanced planning is necessary, as some courses for the major may not necessarily be available every semester and classes for the major are limited in the summer sessions.
- ALL coursework for the major must be taken for a grade (students may not take classes Pass/No Pass).
- Students may be able to take their International Business Course Requirement (IBCPR) as part of their major.
- Although a 2.5 GPA may not be required to take these courses, a 2.5 is required to apply for graduation; thus, students are expected to maintain this level throughout their collegiate career.
• Sequencing of classes is critical, particularly for agribusiness, actuarial science, and international business majors; plan the major courses well in advance of enrollment.

• By this point in time, the curriculum was designed for ACE (except ACE 10) to have been completed through other coursework. If missing an ACE 4 or 9, there may be options through the major to fulfill both requirements.

• A maximum of 3 hours of coursework may transfer if the 15-hour limitation has not been exceeded. Further restrictions may apply.

Business Core Advanced-Capstone (BCA-C) – Two Courses (3 hours)

BCA-C 1 – MNGT 475 Business Policies and Strategies (ACE 10)
• Reserved for graduating seniors, this course requires the Business Core Foundation (BCF) and Intermediate (BCI) coursework to be completed for enrollment. BLAW 371 or BLAW 372 may be completed concurrently. Actuarial students may take FINA 461 concurrently with MNGT 475.

• A capstone course integrating business concepts covered throughout the program.

• Course MUST be taken at the University of Nebraska—Lincoln and taken for a grade (no Pass/No Pass).

BCA-C 2 – BSAD 98 Senior Assessment
• A 0-credit-hour seminar required of ALL business graduating seniors.

• Taught via Canvas—all components must be completed to a satisfactory level to graduate.

Electives – Hours vary to meet 120 hour minimum to graduate

Electives round out the rest of the 120 hour curriculum. Students have the option to choose courses toward a second major, a dual degree, a minor (or two); or students can simply select courses of personal interest.

• Some hours may need to be additional business coursework (to meet the requirement that 60 hours of coursework be in business). This requirement will vary by major.

• There may be a need to enroll in an international business course requirement (IBCR) if not taken as part of the major or for the business elective(s) requirement.

• A minimum of 12 hours of 300/400 upper-level coursework beyond the business core is required for most majors to ensure depth is achieved through enrollment in elective hours. See 300/400-level Elective Requirement below for additional information.

• If not completed through the other area requirements, any remaining ACE requirements will need to be completed as required electives.

• In a 21-hour major, students will average 30 hours of elective credit; second major options and/or minors may be appropriate to consider for elective hours.

Other Requirements

International Business Course Requirement (IBCR)
• The international business course requirement (IBCR) broadens the student’s international perspective.

• Each student, excluding accounting majors, must include one course which emphasizes an international business perspective.

• Actuarial science majors are encouraged to take FINA 450 if they have not met this requirement with completion of NBR 6 – ACE 9 with ECON 321 or MNGT 414.

• The IBCR must be taken for a grade.

The course must be chosen from the following approved list of International Business Course Requirement (IBCR) courses. Many of these courses have prerequisites. Some are restricted for education abroad and others may only be offered once a year. Thus, students are advised to plan ahead in scheduling this requirement into their programs.

IBCR Courses

BSAD 491 International Studies in Business and Economics (1-15 hrs)
• Available only to students studying abroad for which there is no University of Nebraska—Lincoln equivalent course.

• Available also for the Senchu, Japan, CIMBA Italy, and for the China Education Abroad Programs.

• Senshu program students may apply 3 hours towards electives in the FINA, MNGT, or MRKT major; 6 hours are applicable for BSAD or IBUS major/minor.

• BSAD 491 credit from any other study abroad program should be based on course topics directly associated with a specific major in MNGT, MRKT, or FINA and may need department consent to be used in the major. Students should visit with an academic advisor for assistance.

BSAD 320 Global Issues

BSAD 420 Global Leadership and the Culture Map

ECON 321 (If not completed at this point, ECON 321 may double count for ACE 9.)

ECON 421 International Trade (Credit cannot be earned in both ECON 421 and AECN 420.)

ECON 422 International Finance

ECON 423 Economics of the Less Developed Countries

ECON 466 Pro-seminar in International Relations I & ECON 467 Pro-seminar in International Relations II (Credit option for students participating in the Nebraska at Oxford Program.)

ECON 440 Regional Development

FINA 450 International Financial Management

MNGT 414 (If not completed at this point, MNGT 414 may double count for ACE 9.)

SCMA 459 Global Information Systems

MRKT 453 International Marketing

SCMA 439 Global Sourcing and Distribution

Although the following courses may also be used to fulfill requirements in the international business major/minor/IBCR, students should be aware that they are not necessarily offered on a consistent basis.
ECON 322 Introduction to Development Economics (Credit cannot be earned in both ECON 322 and AECN 367 Agricultural Development in Developing Countries.)

ECON 323 The Economic Development of Latin America

ECON 388 Comparative Economic Systems

ECON 487 Economies in Transition

If planned carefully, the IBCR course may count in two places. It is not an extra 3 hours of credit, but rather, is 3 hours embedded within other requirements. If selected carefully, it can also count for 3 hours of credit in the major (i.e., MRKT 453 International Marketing counts for a MRKT elective in the MRKT major and also counts for the IBCR; FINA 450 International Financial Management counts for a FINA elective in the FINA major and also fulfills the IBCR). On the other hand, if coursework for the major is already determined by personal choices or requirements, the IBCR may count in electives, and more specifically, for one of the ‘business’ electives needed for most majors. If not planned carefully this requirement may mean that the student will need to take an additional 3 hours of credit.

300/400 Upper-level Requirement

As part of the degree requirements, all students must complete a certain number of 300/400-level courses. Most of these courses will be completed in the Business Core but some majors will require additional hours from outside of the Business Core. With a “standard” 21-hour major, 12 additional hours will be required. Normally, if a major is larger than 21 hours, the number of additional upper-level courses is reduced. This requirement can be met by business or non-business coursework.

Business coursework from the Business Core Intermediate (BCI), Business Core Advanced-Major (FIRST Major) or Business Core Advanced-Capstone may NOT be used to fulfill this requirement with exceptions noted below:

- If more than 21 hours of coursework for the major are taken at the 300/400 level, and of those hours, coursework is not being double counted toward the NBR and major, then the additional 300/400-level hours can be used to fulfill the 300/400-level requirement. Students will need to consult their Degree Audit to determine how the requirements are applied.
- Business administration majors will complete a 24-hour major and only need to complete 9 upper-level hours.
- Finance majors will take between 24 and 27 hours for their major; consult the major section in this document or the Degree Audit to determine how many hours will double count for this requirement. This will depend on which option is selected for the major.
- Actuarial science majors, agribusiness majors, and Raikes students do not need to meet this requirement due to the additional hours at the 300/400 level required for the major/program.
- Business Core Advanced-Major coursework used for a SECOND major (if selected), or upper-level graded coursework selected for a minor, MAY count.
- Coursework that is part of the Non-business Requirement (NBR) taken at the 300/400 level may be double counted to fulfill this requirement, if it is not being used to double count for the first major.

- No course may be taken on a Pass/No Pass basis unless it is a business course numbered 398/399. Only 3 hours of 398/399 credit is allowed for this requirement.
- Students generally fulfill this requirement through their electives, but there may be a few upper-class students who may fulfill the requirement with the ACE course requirements.

Business Course/Business Elective Hours

At a minimum, 60 hours of business courses are required for the BSBA degree.

The required hours WILL VARY BY MAJOR, dependent on how requirements have been accepted and/or completed throughout the previous components of the program. While GENERAL MINIMUM guidelines by major are noted below, the Degree Audit will specify minimum business credit hour expectations for each student. Students will generally see this addressed under the ELECTIVE section (BUSINESS ELECTIVES) on the Degree Audit.

- Accounting, economics, management, and marketing majors – 3 hours of business electives.
- Business administration majors – no additional business coursework, as the major consists of 24 hours of business coursework.
- Actuarial science majors – no additional business coursework, as the major consists of 28 hours of business coursework.
- Finance majors – no additional business coursework, as the major consists of 24-27 hours of business coursework.
- Agribusiness and Raikes majors – no additional business coursework required due to intent of major as being ‘business-related’ coursework.
- Additional hours may be required if there is a variation in hours for NBR, BCF, BCI or BCA, or if there is a violation of transfer limits, the 15 hour rule, etc.

Coursework must be taken for a grade except for 398/399 options, where grades are generally not permitted.

Foreign Languages/Language Requirement

Other than meeting the minimum requirement for admission to the University, the College does not require any additional work in foreign languages, except for IBUS majors. IBUS majors must complete the equivalent of 8 hours of a foreign language while in college. However, students are always encouraged to take language courses.

Minimum Hours Required for Graduation

A minimum of 120 semester hours of credit is required for graduation; more may be necessary if specific degree requirements have not yet been completed.

Grade Rules

C- and D Grades

While students may earn grades of C- or D, there are restrictions and recommendations for such grades and further enrollment options:

- A grade of C or higher is expected in prerequisite courses to enroll in ACCT courses.
- A grade of C or higher is required in FINA 361 Finance in order to take most upper-level FINA courses.
- A grade of C or higher is required in other departmental higher-level sequencing courses (i.e., MATH 101 to take MATH 104,
etc.). See course descriptions to determine enrollment restrictions.

- Minimum 2.5 cumulative GPA is required to enroll in many business courses, including: ACCT 201, ACCT 202, BLAW 371, BLAW 372, ECON 215, FINA 361, MNGT 301, MNGT 475, MRKT 341, MRKT 350, SCMA 331, SCMA 350.
- Grades of C- or lower may be removed by retaking the course at UNL or within the University system (UNK, UNO).
- Grades of C or better are required to transfer courses from outside of the University of Nebraska system.
- Academic bankruptcy options may be considered for students who have one or two semesters of poor performance.

Pass/No Pass

The Pass/No Pass option is designed for students who want to study areas or topics in which they may have minimum preparation. If used for this purpose, the option can enrich the student's academic experience without lowering the student's grade point average. Several restrictions apply when considering the Pass/No Pass option:

- BSAD 111, BSAD 222, BSAD 333, BSAD 444, and BSAD 50 are offered only as Pass/No Pass. All are required.
- Students may apply no more than 6 hours of elective credit using the Pass/No Pass option (excludes BSAD 111, BSAD 222, BSAD 333, BSAD 444).
- No student enrolled in any college at the University of Nebraska–Lincoln may take business courses in the College of Business using the Pass/No Pass option.
- College of Business students may NOT take coursework to satisfy ACE requirements, the International Business Course Requirement (IBCR), or any required business coursework, including in the major and minor, using the Pass/No Pass option.
- Students majoring in actuarial science through the College of Business may NOT take any math, actuarial science, or required courses using the Pass/No Pass option.
- Students taking courses to fulfill the requirements of a minor in an area of study outside the College of Business are subject to College rules restricting use of the Pass/No Pass option. If courses in the minor are used to meet ACE or any college-specific requirements.
- Students seeking any minor outside the College should verify specific requirements.
- Advanced Placement grades of P and Credit By Exam grades of P will be accepted to fulfill degree requirements. These hours will not count against the 6-hour-maximum hours permitted.
- Students who travel abroad and return with “credit” rather than grades from the institution where they studied may use P grades to fulfill degree requirements. These hours will not count against the 6-hour-maximum number of hours permitted.

GPA Requirements

A 2.5 cumulative grade point average is required to apply for graduation, as well as a requirement for enrollment in ACCT 201 and ACCT 202, ECON 215, BLAW 371 and BLAW 372, FINA 361, SCMA 331, MNGT 301, MNGT 475, SCMA 350 or MRKT 350, and MRKT 341. Some upper-level courses in some majors will also require a 2.5 cumulative GPA. In some instances, a specific grade is required in certain courses to continue with upper-level coursework.

Transfer Credit Rules

For detailed information on transfer credit rules, see Transfer Credit Restrictions under Course Exclusions and Restrictions.

Residency

At least 30 of the last 36 hours of credit must be registered for and completed in residence at the University of Nebraska–Lincoln.

Students electing to study abroad in their final semester are exempted for the hours earned abroad, but no additional hours may be transferred in the last 36 hours. This exemption requires filing a written appeal to the Business Advising and Student Engagement office (Hawks Hall 125).

ACE Requirements

All students must fulfill the Achievement-Centered Education (ACE) requirements. Information about the ACE program may be viewed at the Achievement-Centered Education website (https://ace.unl.edu). Students may also use the catalog’s course search function to search for ACE groups. Example: Enter ACE 1 in the search to generate a list of all possible ACE 1 courses. MyRED may also be used to search for currently offered ACE classes.

ACE Achievement-Centered Education—Ten Courses (normally 30 hours)

This is the university’s innovative, outcomes-focused general education component designed to enhance the undergraduate experience by providing broad exposure to multiple disciplines, complementing the major, and helping students develop important reasoning, inquiry, and civic capacities.

Important rules to remember when selecting coursework to meet this requirement:

- There are 10 ACE Student Learning Outcomes (SLOs). At least one course, equivalent to 3 credit hours, must be taken for each of the 10 SLOs.
- Up to three ACE SLOs from ACE 4–10 may be satisfied by work in one subject area.
- ACE SLOs must be satisfied by work in at least three subject areas.
- No ACE course may satisfy more than one ACE SLO in a student’s program.
- If an ACE course addresses two ACE SLOs, the student decides which one of the two outcomes the course will satisfy in that
student’s program. (The Degree Audit will make an automatic decision based on first course taken, first SLO needed.)

• As part of the College requirements of non-business and business courses, many courses will also work for ACE.

Students should carefully review required coursework with ACE options to make the best use of courses to fulfill both degree requirements as well as University of Nebraska–Lincoln ACE requirements.

### Catalog Rule

Students (including transfer students) must follow the Undergraduate Catalog in effect when they are admitted into the College of Business. Students who leave the College and return, or those applying for ‘readmission’ to the College, are subject to requirements in place at the time of their readmission to the College.

### Learning Outcomes

Graduates of supply chain management will be able to:

1. Understand the technical content and theory of supply chain management systems.
2. Develop the ability to quantitatively model typical supply chain problems.
3. Understand principles of acquisition, transportation, and delivery of supply chain content.
4. Learn computer systems available to support management and coordination of supply chains.
5. Develop the ability to effectively communicate within organizations.
6. Understand value systems, ethics, and sustainability.

### Major Requirements

#### Core Requirements

In addition to the College Degree Requirements, students will complete 33 hours of coursework for the major.

All students, regardless of their major or interests in the College, will take SCMA 250 Spreadsheet Analytics, SCMA 331 Operations and Supply Chain Management, and SCMA 350 Business Analytics/Information Analysis as part of the Business Core Intermediate requirements.

NONE of these courses may be used to count toward the major.

As noted in the College Degree Requirements section, all coursework for the major must be taken for a grade.

#### Specific Major Requirements

##### Business Core Advanced–Major (BCA-M)

All coursework for the major must be taken for a grade—no Pass/No Pass.

The requirements for the major, in addition to the general College requirements, consist of 21 hours of required major courses as listed below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCMA 335</td>
<td>Supply Chain Decision Making Models</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 346 /</td>
<td>Marketing Channels Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 346</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCMA 431</td>
<td>Enterprise Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 432</td>
<td>Supply Chain Planning and Control Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

As well as 12 hours from the following directed electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCMA 434</td>
<td>Lean Supply Chain Operations</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 436</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 437</td>
<td>Supply Chain Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 447</td>
<td>Supply Chain Technology</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 450</td>
<td>Data Modeling and Computing</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 451</td>
<td>Introduction to Predictive Analytics</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 452</td>
<td>Database Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 454</td>
<td>Information Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 458</td>
<td>Electronic Business</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 459</td>
<td>Global Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 301</td>
<td>Using Accounting Information</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 308</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 309</td>
<td>Accounting Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECON 321</td>
<td>Introduction to International Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 421</td>
<td>International Trade</td>
<td>3</td>
</tr>
<tr>
<td>ECON 422</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>FINA 375</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 412</td>
<td>Negotiating and Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 345</td>
<td>Market Research</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 425</td>
<td>Retailing Management</td>
<td>3</td>
</tr>
</tbody>
</table>

1 No more than one ECON elective can be used to satisfy the SCMA elective requirements.

Students who are admitted to and who complete either the Certificate in Professional Selling or the Advanced Certificate in Professional Selling may use their certificate coursework (MRKT 357, MRKT 457, MRKT 458, and MRKT 460) to satisfy the directed electives for the supply chain management major. Students may not use MRKT 371 or MRKT 372 to satisfy the directed electives for the supply chain management major.

### Additional Major Requirements

#### Grade Rules

- **C- and D Grades**
  
  Same as College grade rules.

- **Pass/No Pass**
  
  Same as College Pass/No Pass limits.

#### GPA Requirements

Same as College GPA requirements.

### Requirements for Minor Offered by Department

Minor requirement is 12 hours of SCMA courses selected from the course list below.

Courses cannot be double counted towards other majors or minors.
## Course List

Select 12 hours from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCMA 335</td>
<td>Supply Chain Decision Making Models</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 346 /</td>
<td>Marketing Channels Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 346</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCMA 431</td>
<td>Enterprise Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 432</td>
<td>Supply Chain Planning and Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 434</td>
<td>Lean Supply Chain Operations</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 436</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 437</td>
<td>Supply Chain Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 439</td>
<td>Global Sourcing and Distribution</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 444 /</td>
<td>Supply Chain Logistics Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 444</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCMA 447</td>
<td>Supply Chain Technology</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 191</td>
<td>Special Topics in Supply Chain Management</td>
<td></td>
</tr>
</tbody>
</table>

### SCMA 191 Special Topics in Supply Chain Management

**Description:** Variety of topics on the undergraduate level.

**Credit Hours:** 1-3

**Min credits per semester:** 1

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded with Option

**Prerequisites:** BSAD 50; Co-requisite or prerequisite: ECON 215.

**Notes:** Cannot be taken Pass/No Pass. SCMA 250 can be used to replace a D or F grade in SCMA 350L.

**Description:** Organization, analysis and evaluation of data using advanced features of Microsoft Office to solve business problems.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**Prerequisite for:** ACCT 309; SCMA 350

### SCMA 250 Spreadsheet Analytics

**Prerequisites:** BSAD 50; Co-requisite or prerequisite: ECON 215.

**Notes:** Cannot be taken Pass/No Pass. SCMA 250 can be used to replace a D or F grade in SCMA 350L.

**Description:** Organization, analysis and evaluation of data using advanced features of Microsoft Office to solve business problems.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**Prerequisite for:** ACCT 309; SCMA 350

### SCMA 331 Operations and Supply Chain Management

**Prerequisites:** Sophomore standing; 2.5 GPA; Business Qualified (MATH104 or MATH106 or MATH107 or MATH208; BSAD 222; ACCT 201 and ACCT 202; ECON 211 and ECON 212; ECON 215 or equivalent.) Prereqs differ for RAIKES, ACTS, and ABUS majors - see bulletin for exceptions.

**Notes:** Cannot be taken Pass/No Pass.

**Description:** Analytical management techniques for: ascertaining demand for the organization’s goods and services; justifying and acquiring the necessary resources; and planning and controlling the transformation of resources into goods and services. Application in both large and small organizations, private and public enterprise, service, and manufacturing organizations.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Prerequisite for:** ACCT 328; MNGT 475, MNGT 875; MRKT 444, SCMA 444; SCMA 431; SCMA 432; SCMA 434; SCMA 436; SCMA 437; SCMA 439; SCMA 447; SCMA 474

**SCMA 335 Supply Chain Decision Making Models**

**Prerequisites:** BSAD 50; (MATH104 or MATH106 or MATH107/MATH107H or MATH208/MATH208H; ACCT201 or ACCT201H or RAIK181H; ECON211 or ECON211H or RAIK282H; ECON212 or ECON212H or RAIK182H; ECON215 or ECON215H or STAT218). 2.5 GPA

**Description:** Quantitative decision making tools for Supply Chain Management applications. Development of optimization models for applications in transportation and distribution networks, operations scheduling, and inventory planning.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Prerequisite for:** SCMA 432; SCMA 439; SCMA 447; SCMA 474

### SCMA 346 Business Analytics/Information Analysis

**Prerequisites:** Sophomore standing; SCMA 250; 2.5 GPA; Business Qualified (MATH104 or MATH106 or MATH107 or MATH208; BSAD222; ACCT201 and ACCT202; ECON211 and ECON212; ECON215 or equivalent.) Prereqs differ for RAIKES, ACTS, and ABUS majors - see catalog.

**Notes:** Cannot be taken Pass/No Pass.

**Description:** Data and information as important resources to be managed in modern organizations. Development of quantitative analytical skills and presentation in business decision making. Basic information system concepts with primary focus on data analysis and related business decisions.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Prerequisite for:** SCMA 439; SCMA 474

### SCMA 350 Business Analytics/Information Analysis

**Prerequisites:** Sophomore standing; SCMA 250; 2.5 GPA; Business Qualified (MATH104 or MATH106 or MATH107 or MATH208 or MATH208H; BSAD222; ACCT 201 and ACCT 202; ECON 211 and ECON 212; ECON 215 or equivalent.) Prereqs differ for RAIKES, ACTS, and ABUS majors - see catalog.

**Notes:** Cannot be taken Pass/No Pass.

**Description:** Data and information as important resources to be managed in modern organizations. Development of quantitative analytical skills and presentation in business decision making. Basic information system concepts with primary focus on data analysis and related business decisions.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Prerequisite for:** SCMA 439; SCMA 474

### SCMA 350H Honors Business Analytics/Information Analysis

**Prerequisites:** COB Honors students only. Sophomore; SCMA250; 2.5 GPA; Business Qualified (MATH104 or MATH106 or MATH107 or MATH208; BSAD222; ACCT201 and ACCT202; ECON211 and ECON 212; ECON215 or equivalent) Prereqs differ for RAIKES, ACTS, and ABUS majors - see catalog.

**Notes:** Cannot be taken Pass/No Pass.

**Description:** Data and information as important resources to be managed in modern organizations. Development of quantitative analytical skills and presentation in business decision making. Basic information system concepts with primary focus on data analysis and related business decisions.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Prerequisite for:** MNGT 475, MNGT 875; SCMA 450; SCMA 451; SCMA 452; SCMA 454; SCMA 458; SCMA 459

### SCMA 350H Honors Business Analytics/Information Analysis

**Prerequisites:** Sophomore; SCMA250; 2.5 GPA; Business Qualified (MATH104 or MATH106 or MATH107 or MATH208; BSAD222; ACCT201 and ACCT202; ECON211 and ECON 212; ECON215 or equivalent) Prereqs differ for RAIKES, ACTS, and ABUS majors - see catalog.

**Notes:** Cannot be taken Pass/No Pass.

**Description:** Data and information as important resources to be managed in modern organizations. Development of quantitative analytical skills and presentation in business decision making. Basic information system concepts with primary focus on data analysis and related business decisions.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Prerequisite for:** MNGT 475, MNGT 875; SCMA 450; SCMA 451
SCMA 391 Special Topics
Prerequisites: Permission of department chair
Notes: Topic varies. Specific topic covered in any given term and credit awarded is to be determined by the instructor.
Credit Hours: 1-6
Min credits per semester: 1
Max credits per semester: 6
Max credits per degree: 12
Grading Option: Graded with Option

SCMA 396 Independent Study
Prerequisites: Spring, Fall
Description: Special research project or reading program.
Credit Hours: 1-6
Min credits per semester: 1
Max credits per semester: 6
Max credits per degree: 12
Grading Option: Pass No Pass

SCMA 396H Independent Study
Prerequisites: Junior standing; permission of supervising instructor and department chair
Description: Special research project or reading program.
Credit Hours: 3
Min credits per semester: 3
Max credits per semester: 6
Max credits per degree: 12
Grading Option: Pass No Pass

SCMA 431 Enterprise Management Systems
Prerequisites: SCMA 331; 2.5 GPA
Description: Analytical approach to the design, planning, and control of operations management systems, including domestic and international, manufacturing and service operations.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 432 Supply Chain Planning and Control Systems
Prerequisites: SCMA 331; SCMA 335; MRKT 341; 2.5 GPA
Description: Forecasting and planning for capacity management, materials management, utilization of facilities, managing and scheduling inventory, scheduling people and equipment, tracking people, orders, and equipment to ensure the accommodation of customer needs while maintaining effective and efficient processes.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 433 Supply Chain Planning and Control Systems
Prerequisites: SCMA 331; SCMA 335; MRKT 341; 2.5 GPA
Description: Forecasting and planning for capacity management, materials management, utilization of facilities, managing and scheduling inventory, scheduling people and equipment, tracking people, orders, and equipment to ensure the accommodation of customer needs while maintaining effective and efficient processes.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 434 Lean Supply Chain Operations
Prerequisites: SCMA 331; 2.5 GPA
Description: Focus on the improvement of supply chain operations through the application of lean management principles. Topics include just-in-time, six-sigma, theory of constraints, and associated tools and applications.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 435 Supply Chain Technology
Prerequisites: SCMA 331; SCMA 335; MRKT 341; 2.5 GPA
Description: Fundamentals of technology to include radio frequency identification systems (RFID). Description of physical characteristics, potential to support supply chain management, and implications on inventory management within supply chains.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 436 Project Management
Prerequisites: SCMA 331; 2.5 GPA
Description: Planning and managing projects including project initiating and bidding, planning, budgeting and cost estimation, scheduling, managing risks, and final implementation.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 437 Supply Chain Risk Management
Prerequisites: SCMA 331; SCMA 350; 2.5 GPA
Description: Analytical and simulation models for decision making in functional areas such as finance, accounting, marketing, personnel, operations, and inventory. Construction of decision models for practical applications. Emphasis on analyzing alternatives and implementing solutions that result in increased productivity.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 438 Global Sourcing and Distribution
Prerequisites: SCMA 331; SCMA 335; MRKT 346; 2.5 GPA
Description: Sourcing strategies, concepts and tools in the context of integrated supply chains. Specific issues include make or buy decisions, supplier evaluation and selection, total cost of ownership, contracts and legal terms, negotiation, and purchasing ethics. Discussion of supply chains in the context of international trade. Purchasing options, to include benefits and risks in outsourcing. Information technology for control and coordination in international supply chains.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 444 Supply Chain Logistics Management
Crosslisted with: MRKT 444
Prerequisites: MRKT 341 and SCMA 331
Description: Examination of physical distribution activities in the marketing mix from the viewpoints of both providers and users of components of logistics systems. Logistics problems of concern to the marketing manager include time and place utility concepts, spatial relationships of markets, channel design, transportation modes, and inventory management.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded

SCMA 447 Supply Chain Technology
Prerequisites: SCMA 331; SCMA 335; MRKT 341; 2.5 GPA
Description: Fundamentals of technology to include radio frequency identification systems (RFID). Description of physical characteristics, potential to support supply chain management, and implications on inventory management within supply chains.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCMA 450</td>
<td>Data Modeling and Computing</td>
<td>SCMA 350</td>
<td>The course is designed for students interested in Business Analytics in all business majors, as well as students who are primarily interested in the applications of computational modeling and statistical programming in fields such as engineering, basic sciences, sociology, psychology. Description: Introduction to advanced data and statistical modeling techniques for business analytics applications. Introduces statistical computing tools and techniques using the R statistical programming language. Demonstrates the role of data analytics and modeling techniques in business applications. Bayesian-thinking concepts will also be studied in relation to decision-making under uncertainty. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded Offered: FALL</td>
</tr>
<tr>
<td>SCMA 451</td>
<td>Introduction to Predictive Analytics</td>
<td>SCMA 350; 2.5 GPA</td>
<td>The course is designed for students interested in Business Analytics in all Business Majors as well as students who are primarily interested in the applications of data mining from fields such as engineering, basic sciences, sociology, psychology etc. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded</td>
</tr>
<tr>
<td>SCMA 452</td>
<td>Database Organization and Management</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Description: Database technology and related human and managerial considerations. Databases from two perspectives: the logical view, as the manager and applications programmer see and use the organization’s data; and the physical view, as the systems software programmers and database manager view the data. Theory on database organization and the practical applications of databases. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded</td>
</tr>
<tr>
<td>SCMA 453</td>
<td>Information Systems Analysis and Design</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Description: Methods and methodologies used in systems analysis, design, and implementation. Decision-making process: systems development life cycles, requirement analysis, logical and/or conceptual design, and basic database concepts. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded</td>
</tr>
<tr>
<td>SCMA 454</td>
<td>Electronic Business</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Prerequisites: SCMA 350; 2.5 GPA Description: Management-related topics in electronic business. Conceptualizing and maintaining an e-business strategy. Economic impact of e-business strategies and management practices, models of e-business, electronic payment systems, Internet security, ethics and privacy, and advanced e-business trends and issues. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded</td>
</tr>
<tr>
<td>SCMA 455</td>
<td>Global Information Systems</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Prerequisites: SCMA 350; 2.5 GPA Description: The worldwide political and economic changes in the last decade that have propelled city, state, country governments, and corporations to expand business globally and enter into new markets. Information technology (IT) as a key role in the globalization of businesses. The necessary concepts and ideas to understand the issues in the global or international use of technology. IT environments around the world, national infrastructures and regulatory regimes, global IT applications, global IS development strategies, global management support systems, and global IT management strategies. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded</td>
</tr>
<tr>
<td>SCMA 456</td>
<td>Strategic Supply Chain Management</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Prerequisites: Senior Standing; Open to SCMA Majors Only; SCMA 331; SCMA 335; MRKT 346; 2.5 GPA Description: The focus of this course is on bringing together the concepts and theories of Supply Chain Management through the application in real world settings. Students will emulate decision making through simulated applications and will work with local/regional organizations to make improvements or explore opportunities enhancing supply chain applications. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded</td>
</tr>
<tr>
<td>SCMA 458</td>
<td>Honors Thesis</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Prerequisites: SCMA 350; 2.5 GPA Description: Good standing in the University Honors Program or by invitation, and permission Description: Conduct a scholarly research project and write a University Honors Program or undergraduate thesis. Credit Hours: 3-6 Min credits per semester: 3 Max credits per semester: 6 Max credits per degree: 6 Grading Option: Graded with Option</td>
</tr>
<tr>
<td>SCMA 459</td>
<td>Global Information Systems</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Prerequisites: SCMA 350; 2.5 GPA Description: The worldwide political and economic changes in the last decade that have propelled city, state, country governments, and corporations to expand business globally and enter into new markets. Information technology (IT) as a key role in the globalization of businesses. The necessary concepts and ideas to understand the issues in the global or international use of technology. IT environments around the world, national infrastructures and regulatory regimes, global IT applications, global IS development strategies, global management support systems, and global IT management strategies. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded</td>
</tr>
<tr>
<td>SCMA 474</td>
<td>Electronic Business</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Prerequisites: SCMA 350; 2.5 GPA Description: Management-related topics in electronic business. Conceptualizing and maintaining an e-business strategy. Economic impact of e-business strategies and management practices, models of e-business, electronic payment systems, Internet security, ethics and privacy, and advanced e-business trends and issues. Credit Hours: 3 Max credits per semester: 3 Max credits per degree: 3 Grading Option: Graded</td>
</tr>
<tr>
<td>SCMA 499H</td>
<td>Honors Thesis</td>
<td>SCMA 350; 2.5 GPA</td>
<td>Prerequisites: SCMA 350; 2.5 GPA Description: Good standing in the University Honors Program or by invitation, and permission Description: Conduct a scholarly research project and write a University Honors Program or undergraduate thesis. Credit Hours: 3-6 Min credits per semester: 3 Max credits per semester: 6 Max credits per degree: 6 Grading Option: Graded with Option</td>
</tr>
</tbody>
</table>

PLEASE NOTE
This document represents a sample 4-year plan for degree completion with this major. Actual course selection and sequence may vary and should be discussed individually with your college or department academic advisor. Advisors also can help you plan other experiences to enrich your undergraduate education such as internships, education abroad, undergraduate research, learning communities, and service learning and community-based learning.
Career Information

The following represents a sample of the internships, jobs and graduate school programs that current students and recent graduates have reported.

Transferable Skills
- Analytical Skills
- Problem-Solving/Critical Thinking Skills
- Quantitative Skills
- Computer Skills
- Written and Oral Communication Skills
- Teamwork
- Detail-Oriented
- Organizational Skills
- Interpersonal Skills

Jobs of Recent Graduates
- Operations Manager, Amazon - Seattle WA
- Strategic Sourcing Management Trainee, BNSF Railway - Ft. Worth TX
- Logistics Development Associate, ConAgra Brands - Omaha NE
- Operations Associate, Crete Carrier Corporation - Lincoln NE
- Supply Chain Management Professional Development Program, Northrop Grumman Corporation - Baltimore MD
- Global Supply Chain Advanced Development Program, Schneider Electric - Columbia SC
- Career Foundation Program- Operations Trainee, Smithfield Foods - Wilson NC
- Supply Chain Manager, The Italian Vine: Wine Distributors - Lincoln NE
- Supplies Analyst, Union Pacific Railroad - Omaha NE
- Fleet Manager, Werner Enterprises - Lincoln NE

Internships
- Strategic Sourcing Intern, BNSF Railway - Fort Worth TX
- Lean Management Intern, Case New Holland - Grand Island NE
- Supply Chain Purchasing Intern, Great Northern Equipment Distribution - Rogers MN
- Purchasing Intern, Kiewit - Lenexa KS
- Sourcing Intern, Lincoln Industries - Lincoln NE
- Supply Chain Intern, Methode Electronics - Rolling Meadows IL
- Logistics Intern, Reliant Transportation - Lincoln NE
- Intern, Union Pacific Railroad - Omaha NE
- Rates and Pricing Intern, Werner Enterprises - Omaha NE
- Intern, Xchanging Procurement - Chicago IL