

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 an 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.

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 communication 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 Other Academic Units.

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), (includes ACE 6)
- Intermediate (BCI), (includes ACE 8)
- 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 for Change

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 primarily restricted to first- and second-year students. Upperclass students who have not completed one of these options should 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.
 - Raikes students **MUST** take MATH 106 and MATH 107 (or a higher-level calculus).
 - MATH 106 (or higher calculus) is **strongly encouraged** for those students majoring in accounting, majoring in finance, majoring in economics, 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 on 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.)

- Agribusiness majors – NBR 3 (ACE 4) – AGRI 115 Biotechnology: Food, Health and Environment; PLAS 100 Plants, Landscapes, & the Environment; PLAS 131 Plant Science; ENTO 115 Insect Biology; AGST 109 Physical Principles in Agriculture and Life Sciences; NRES 108 Earth's Natural Resource Systems Laboratory; PLPT 110 Fantastic Fungi - The Fatal and the Friendly 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 Ecological Imagination in Hispanic Culture, SPAN 315 Gender and Sexuality in Hispanic Culture, 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 the 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 220 International Agricultural Trade, 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, or PLAS 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 or MNGT 414 International Management 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. (They 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.)
- Supply chain management majors – ECON 321 may be taken to fulfill the global awareness requirement (NBR 6–ACE 9) as well as a directed elective for the major. (ECON 321 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, MRKT 257 or COMM 286 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 individual 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, and BSAD 222) 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 (*offered Pass/No Pass only*).
 - 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 generally 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 Microsoft Access, Word, PowerPoint, and Excel.

BCF 3 – SCMA 250 Spreadsheet Analytics

- 1-credit-hour course.
- Actuarial science majors take ACTS 250 Actuarial Technical Skills.
- 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: 2.5 cumulative GPA; sophomore standing, (or freshman standing, with 14 credit hours of college credit and MATH 104 or MATH 106 with a grade of C or better).
- ACCT 202
 - Sequential; take ACCT 202 following completion of ACCT 201.
 - Prerequisite: 2.5 cumulative GPA; sophomore standing, (or freshman standing with 14 hours of University of Nebraska-Lincoln credit and MATH 104 or MATH 106 with a grade of C or better); ACCT 201 with a grade of C or better.
 - 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 6)

- Not sequential.
- Prerequisite: Completion of 12 hours of college coursework.

BCF 6 – ECON 215 Statistics (ACE 3)

- Prerequisites: Sophomore standing; MATH 104 or MATH 106; BSAD 50; and a 2.5 GPA.
- Must take ECON 215 (not STAT 218 Introduction to Statistics nor EDPS 459 Statistical Methods nor CRIM 300 Applied Statistics and Data Processing in the Public Sector nor SOCI 206 Introduction to Social Statistics).
- Actuarial science majors MUST take ACTS 445 Introduction to Actuarial Models instead of ECON 215, (actuarial science majors will also take STAT 462 Introduction to Mathematical Statistics I: Distribution Theory and STAT 463 Introduction to Mathematical Statistics II: Statistical Inference).
- Economics majors or minors can take STAT 380 instead of ECON 215.

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 (ABUS, ACCT, MRKT, 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 (<https://catalog.unl.edu/undergraduate/business/>).
- 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 (ACE 8)

- 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.
- Actuarial science majors will take SCMA 451 Introduction to Predictive Analytics.
- Students must complete SCMA 250 prior to taking SCMA 350.

BCI 3 – FINA 361 Finance

- Actuarial science majors will take FINA 461 Advanced Finance to meet this requirement.
- Grade of C or better in this course is a requirement for a number of finance courses that follow.

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 year 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 by major.
- 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 (IBCR) 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; plan the major courses well in advance of enrollment. Visit with an academic advisor for assistance planning critical class sequencing.
- 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 Strategies (ACE 10)

- Prerequisites: 2.5 cumulative GPA; Major in the College of Business; senior standing; the Business Core Foundation (BCF) and Intermediate (BCI) coursework (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 (not 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 Requirements 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 (BCA-M), students will average 31 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 Senshu, 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

ECON 422 International Finance

ECON 423 Economics of the Less Developed Countries

ECON 440 Regional Development

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

FINA 450 International Financial Management

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

MRKT 453 International Marketing

MRKT 491 International Studies in Business & Marketing

SCMA 439 Global Sourcing and Distribution

SCMA 459 Global Information Systems

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 may 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 (general option) and fulfills the IBCR as well). 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 (BCA-M), 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.
- Accounting majors, business administration majors and business and law 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, supply chain management 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 395/398/399. Only 3 hours of 395/398/399 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.

- Economics, management, and marketing majors – 3 hours of business electives.
- Accounting and 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 more than 24 hours of business coursework.
- Finance majors – no additional business coursework, as the major consists of 24-27 hours of business coursework.
- Supply chain management majors – no additional business coursework, as the major consists of 33 hours of business coursework.
- Agribusiness, Business & Law, 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.

Experiential Learning Requirement

All undergraduates in the College of Business must complete an Experiential Learning designated course or experience (which may include 0-credit courses designated to document co-curricular activities recognized as experiential learning) beginning with the 2022-23 Undergraduate Catalog.

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 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 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 replaced in the calculation of GPA by retaking the course at the University of Nebraska–Lincoln 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, BSAD 50, and BSAD 98 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 ACCT 399, BSAD 111, BSAD 222, BSAD 333, BSAD 444, BSAD 395 (and cross-listings), MRKT 395).
- **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), nor 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 rules applying to minimum grade expectations and Pass/No Pass options with the advisor for their minor, as additional restrictions may apply and often vary.
- Students from UNO/UNK/UNMC and from other institutions are subject to the same restrictions listed here for University of Nebraska–Lincoln students.

Exceptions to the above rules are limited to the following and no other exceptions will be made.

- An independent study or an internship course (395, 398, 399) may be taken in the College of Business using the Pass/No Pass option with the permission of the instructor and the department chair, but College of Business students who

qualify for this exception may use the independent study or an internship course (395, 398, 399) **only** as elective credit.

- ACCT 399, BSAD 395 (and cross-listings) and MRKT 395 taken in the Pass/No Pass format will not count against the six hour Pass/No Pass maximum in open electives.
- Advanced Placement grades of Pass and Credit By Exam grades of Pass 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 Pass 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 (<https://catalog.unl.edu/undergraduate/business/>) under Course Exclusions and Restrictions (<https://catalog.unl.edu/undergraduate/business/>).

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 in 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/>). 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.

Students who have transferred from a community college may be eligible to fulfill the requirements as stated in the catalog for an academic year in which they were enrolled at the community college prior to attending the University of Nebraska-Lincoln. The College will determine eligibility in consultation with academic advisors, provided the student a) was enrolled in a community college during the catalog year they are utilizing, b) maintained continuous enrollment at the previous institution for 1 academic year or more, and c) continued enrollment at the University of Nebraska-Lincoln within 1 calendar year from their last term at the previous institution. Students must complete all degree requirements from a single catalog year and within the timeframe allowable for that catalog year.

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. 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 (BCA-M).

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 (BCA-M).

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 course taken Pass/No Pass will be counted toward the major.

The requirements for the major, in addition to the general College requirements, consist of 21 hours of required major courses as listed below. All supply chain management majors are expected to enroll in SCMA 474 Strategic Supply Chain Management during their fall/spring semester prior to graduation.

SCMA 335	Decision Making Models	3
SCMA 346 / MRKT 346	Marketing Channels Management	3
SCMA 431	Enterprise Management Systems	3
SCMA 432	Supply Chain Planning and Control Systems	3
SCMA 439	Global Sourcing and Distribution	3
SCMA 444 / MRKT 444	Supply Chain Logistics Management	3
SCMA 474	Strategic Supply Chain Management	3
Total Credit Hours		21

As well as 12 hours from the following directed electives:

ACCT 301	Using Accounting Information	3
ACCT 308	Managerial Accounting	3
ACCT 309	Accounting Systems	3
ECON 321	Introduction to International Economics ¹	3
ECON 421	International Trade ¹	3
ECON 422	International Finance ¹	3
FINA 375	Financial Statement Analysis	3
MNGT 412	Negotiating and Conflict Management	3
MRKT 345	Market Research	3
MRKT 425	Retailing Management	3
SCMA 434	Lean Supply Chain Operations	3
SCMA 436	Project Management	3
SCMA 437	Risk and Decision Analysis	3
SCMA 447	Supply Chain Technology	3
SCMA 450	Communication for Business Analytics	3
SCMA 451	Introduction to Predictive Analytics	3
SCMA 452	Database Organization and Management	3
SCMA 454	Business Analytics Applications in Practice	3
SCMA 458	Electronic Business	3
SCMA 459	Global Information Systems	3

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 towards the directed electives for

the supply chain major. Students with the Certificate in Professional Selling can apply MRKT 357, MRKT 457, and MRKT 458 as nine of the 12 hours of directed electives. For those completing the Advanced Certificate in Professional Selling, MRKT 357, MRKT 457, MRKT 458, and MRKT 460 will satisfy the 12 hours of 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

The Supply Chain Management minor is available to College of Business students only. The college requires that 75% of the coursework for the minor will be completed at the University of Nebraska–Lincoln.

The 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:

MRKT 346 / SCMA 346	Marketing Channels Management	3
MRKT 444 / SCMA 444	Supply Chain Logistics Management	3
SCMA 335	Decision Making Models	3
SCMA 431	Enterprise Management Systems	3
SCMA 432	Supply Chain Planning and Control Systems	3
SCMA 434	Lean Supply Chain Operations	3
SCMA 436	Project Management	3
SCMA 437	Risk and Decision Analysis	3
SCMA 439	Global Sourcing and Distribution	3
SCMA 447	Supply Chain Technology	3

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.

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

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; FINA 361; SCMA 350

Course and Laboratory Fee: \$20

SCMA 331 Operations and Supply Chain Management

Prerequisites: Sophomore standing; 2.5 GPA; Business Qualified

(MATH104 or MATH106 or MATH107 or MATH208; BSAD220; ACCT201 and ACCT202; ECON211 and ECON212; ECON215 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 308; MNGT 475; MRKT 444, SCMA 444; SCMA 431; SCMA 432; SCMA 434; SCMA 436; SCMA 437; SCMA 439; SCMA 447; SCMA 474

SCMA 335 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 business applications. Development of optimization models for applications in operations, transportation, marketing, and finance.

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 450; SCMA 474

SCMA 346 Marketing Channels Management**Crosslisted with:** MRKT 346**Prerequisites:** MRKT 341**Description:** Basic concepts used in analyzing marketing channels, identifies the issues of designing sound channels, the issues of managing them effectively, and evaluating their performance.**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; BSAD220; 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:** FINA 401; MNGT 475; SCMA 437; SCMA 450; SCMA 451; SCMA 452; SCMA 453; SCMA 458; SCMA 459**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; BSAD220; 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:** FINA 401; SCMA 437; SCMA 450; SCMA 451; SCMA 452; SCMA 453; SCMA 458; SCMA 459**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 395 Professional Internship****Crosslisted with:** BSAD 395, ACCT 395, ACTS 395, ECON 395, FINA 395, MNGT 395**Prerequisites:** An undergraduate major in the College of Business with at least sophomore standing and departmental consent and acceptance into an approved internship. Departmental credit for course cross-listings may have additional requirements for consent.**Notes:** May be repeated.**Description:** Provides an opportunity to study theories, principles, practices, techniques, and strategies utilized in the business field through an internship related to the major field of study and an integral or important part of their program of study. Reflect on classroom knowledge and develop practical experience in professional business situations through an approved internship.**Credit Hours:** 0-3**Min credits per semester:****Max credits per semester:** 3**Max credits per degree:** 6**Grading Option:** Graded with Option**Experiential Learning:** Internship/Co-op**SCMA 396 Independent Study****Prerequisites:** Junior standing; permission of supervising instructor and department chair**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:** Good standing in the University Honors Program or by invitation; permission of instructor and department chair**Description:** Special research project or reading program.**Credit Hours:** 3-6**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 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 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 Risk and Decision Analysis

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

Course and Laboratory Fee: \$40

SCMA 439 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

Prerequisite for: SCMA 474

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

SCMA 450 Communication for Business Analytics

Prerequisites: SCMA 335 and SCMA 350

Notes: 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 intermediate and advanced approaches for business data visualization and communication in the context of analytics. Topics include best practices for explaining, summarizing and interpreting analysis, results, insights and recommendations in response to typical decision problems encountered in organizational settings across industries such as finance, healthcare, retail, and government. Consideration of methods for data visualization and dissemination of analytics-driven insights that are most appropriate for different areas of analytics, including descriptive, predictive and prescriptive approaches.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: FALL

Prerequisite for: SCMA 454

SCMA 451 Introduction to Predictive Analytics

Prerequisites: SCMA 350; 2.5 GPA

Description: This course expands the basic statistical and analytics tools for developing understanding of advanced methods for data analysis and modeling, business strategy, information technology in order to develop automated structures to support decision making. The course is intended to provide tools for business applications working with data, databases and reports from analytic models. It covers fundamentals of data analysis and inferential statistics as well as predictive modeling techniques; including linear regression, logistic regression, structural equation modeling, decision trees, artificial neural networks and support vector machines. The course is intended 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

SCMA 452 Database Organization and Management**Prerequisites:** SCMA 350; 2.5 GPA**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**SCMA 453 Machine Learning Applications for Business Analytics****Prerequisites:** SCMA 350; GPA 2.5**Description:** Introduction to techniques used for data exploration, data visualization and data mining, which support humans in identifying actionable information from large amounts of data. Demonstrates the process of machine learning and data mining for business applications, including data cleaning, transformation, partitioning, and validation. Methods covered include association rules, collaborative filtering and cluster analysis techniques. Methods will be implemented using relevant computing tools. In addition to unsupervised learning techniques, other machine learning concepts will also be introduced conceptually.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Offered:** FALL/SPR**Prerequisite for:** SCMA 454**SCMA 454 Business Analytics Applications in Practice****Prerequisites:** SCMA 450 and SCMA 453; GPA 2.5**Notes:** This is an experiential learning capstone course open only to students majoring in business analytics.**Description:** Focuses on the application of the concepts of business analytics to problems encountered in real world settings. Engage with diverse types of organizations, including businesses, non-profit organizations and government agencies, to collect and analyze data with the objective of addressing a relevant problem and providing implementable solutions. Gain experience in communicating to stakeholders regarding data, analysis, results, and recommendations.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Offered:** FALL/SPR**Experiential Learning:** Case/Project-Based Learning**SCMA 458 Electronic Business****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**SCMA 459 Global Information Systems****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 information 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**SCMA 474 Strategic Supply Chain Management****Prerequisites:** Senior Standing; Open to SCMA Majors Only; SCMA 331; SCMA 335; MRKT 346; SCMA 444; 2.5 GPA**Description:** Focus on the concepts and theories of Supply Chain Management through their application in real world settings. Engage in decision making through simulated applications and/or work with local/regional organizations to make improvements or explore opportunities for enhancing supply chain practice.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Experiential Learning:** Student Teaching/Education Practicum**SCMA 499H Honors Thesis****Prerequisites:** 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

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 - Lincoln, NE
- Supply Chain Management Professional Development Program, Northrop Grumman - 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