College of Business

Michael R. Crum, Interim Dean
Qing Hu, Associate Dean
Danny J. Johnson, Associate Dean
www.bus.iastate.edu

Departments of the College

- Accounting
- Finance
- Management
- Marketing
- Supply Chain and Information Systems

Objectives of the Curriculum in Business

The instructional objective of the College of Business is to provide a high quality professional education in business. Such an education should provide the student with: (1) an appreciation of the evolution of the profession and an awareness of the ethical, global, technological, economic, political and social forces shaping its future; (2) an understanding of the major functional areas of business with the opportunity for specialization for a career in business; (3) an ability to recognize and appreciate the affect of diversity in the work place; (4) an opportunity for advanced study.

A comprehensive education in business includes a broad foundation in the liberal arts, courses in the major functional areas of business activity, proficiency in analytical methods, and the ability to identify problems and arrive at logical solutions. In addition, a professional education is designed to inspire students to assume business and community leadership.

The curriculum in business is accredited by AACSB International, the Association to Advance Collegiate Schools of Business, the national business accrediting agency.

Organization of Curriculum

The undergraduate curriculum in business is divided into three areas: a general education program, a pre-professional business program, and a professional business program. The general education program provides a broad spectrum of liberal arts and science coursework. The pre-professional business requirements provide a foundation in pre-business coursework. The professional program includes two parts: (1) the business core which provides a common body of knowledge in all the functional areas in business, and (2) a major area of study. The seven majors offered for the degree bachelor of science (B.S.) are accounting; finance; management; management information systems; marketing; supply chain management; and business economics. The college also offers a secondary major in international business. Elective courses are part of the curriculum.

Bachelor of Science

The bachelor of science (B.S.) degree offers a high quality professional education in business. It prepares students for professional careers in specialized functions of business and government. Candidates for this degree must satisfy the requirements established by the College of Business and also the requirements for individual majors specified by the departments of the College. All candidates for the B.S. degree are required to complete one of the following majors: accounting; finance; management; management information systems; marketing; supply chain management; or business economics.

Required High School Preparation

Students entering the pre-business curriculum must present evidence of the following high school preparation:

a. Four (4) years of English/Language Arts, emphasizing writing, speaking, and reading as well as an understanding and appreciation of literature.

b. Three (3) years of mathematics, including one year each of algebra, geometry, and advanced algebra.

c. Three (3) years of science, including one year each of courses from two of the following fields: biology, chemistry, and physics.

d. Two (2) years of social studies.

Majors

- Accounting
- Business Economics
- Finance
- International Business (second major only)
- Management
- Management Information Systems
- Marketing
- Supply Chain Management

Admission Standards to Professional Programs

All new entering students are enrolled in the pre-business curriculum. To enter the professional program in the College of Business, students must complete any ENGL 101 English for Native Speakers of Other Languages courses, ENGL 150 Critical Thinking and Communication, and the following foundation courses or their approved substitutions:

- MATH 150 Discrete Mathematics for Business and Social Sciences 3
- ECON 101 Principles of Microeconomics 3
- ECON 102 Principles of Macroeconomics 3
- STAT 226 Introduction to Business Statistics I 3
- ACCT 284 Financial Accounting 3
- BUSAD 101 Orientation 0.5
- BUSAD 150 Computer Competencies for Business R
- BUSAD 250 Introduction to Business 3

In addition, all students must achieve an Iowa State University cumulative grade point of 2.5 or a grade-point average of 2.5 in the foundation courses listed above. Admission into the professional program is a prerequisite for pre-business students to gain admission into upper-level business classes.

Students who meet the following requirements qualify for early admission to the professional program. First Semester Freshman: ACT score of 30 or higher, or ranked in the top 5% of high school class, or National Merit/Achievement Finalist, or member of the Freshman Honors Program. All other Students: minimum ISU cumulative GPA of 3.50 in at least 12 credits, or full member of the University Honors Program.

If using the foundation courses for admission to the Professional Program, both transfer grades and Iowa State University grades are used to compute the grade point average. If foundation courses initially taken at Iowa State University need to be repeated, they must be repeated at Iowa State University. With the exception of ACCT 289 Managerial Accounting and MIS 330 Management Information Systems, pre-business students do not have access to business core classes. To facilitate registration, qualified students may be conditionally admitted during the semester in which they complete the admission requirements.

Admission requirements are subject to change. Applications and the current requirements for admission to the College of Business are available on the Web at https://apps.bus.iastate.edu/ProfessionalProgram/ or from the Undergraduate Programs Office in the College of Business.

Academic Standards and Graduation Requirements

Policies for students enrolled in the College of Business may be obtained on the Web at http://www.business.iastate.edu/undergraduate/ or from the Undergraduate Programs Office in the College of Business.

Students are responsible for knowing and adhering to these College of Business policies as well as the university regulations found in this catalog. The following policies are in effect for students graduating from a professional curriculum in business with a B.S. degree under the 2011-2012 catalog:

1. A minimum of 122 semester credits are required.
2. At least 50 percent of the required business credits must be earned at Iowa State. All 300 level and higher business credits must be earned at a four-year college.
3. At least 50% of the 122 credits required for graduation must consist of general education (non-business credits).
4. A minimum of 12 credits of the last 32 credits earned in residence must be applied to the business core and/or the major.
5. The major departments reserve the right to determine the appropriate courses for the business program to which transfer credits will be assigned.
6. Students must achieve communication proficiency by earning a grade of C or better in two of the three required English courses.
7. A student must earn a grade of C or higher in a minimum of 30 credits applied to the business core and the major.
8. A student must earn at least 42 credits of 300 level and higher coursework from a four-year institution.
10. General education courses may not be taken P/NP.
11. No more than 9 elective credits may be taken P/NP.
12. The last 32 credits applied for graduation must be taken at ISU. A waiver for Study Abroad and Internship/Co-ops may be granted.

Advising System

The Undergraduate Programs staff, under the leadership of the Director for Undergraduate Programs, facilitates student progress toward graduation while supporting the academic standards of the College of Business and Iowa State University. To accomplish this, the Undergraduate Programs staff provides services for all College of Business students, including academic advising, learning opportunities, and teaching and developmental activities.

Students in the College of Business have advisers located in the Undergraduate Programs Office. The adviser assists students with developing an academic program; accessing pertinent university resources; and meeting their educational objectives.

The college offers an orientation program for entering students. All entering students and family members are encouraged to attend orientation. During orientation the adviser and the student prepare an appropriate schedule and the student registers for courses. Placement assessments may be required in Mathematics and English to assist in placing students in the appropriate level of courses if this cannot be determined by ACT/SAT scores, high school preparation classes or transfer courses.

Honors

Entering freshmen who meet one of the following criteria, and have a minimum English ACT of 24, will be invited to apply for membership in the Freshman Honors Program: earned an ACT composite of 30, or ranked in the top 5% of their high school classes; or selected as a National Merit or National Achievement finalist.

Enrolled students who have completed 12 graded credits at Iowa State University and earned a 3.50 can be admitted as a full member of the Honors Program. To qualify for full membership, students must have declared a major, developed a program of study, and have a minimum of 48 credits remaining before graduation. Special advisers will assist honors students in developing an appropriate program of study.

Internships

Credit and non-credit internships in business may be approved for College of Business students in all majors including pre-business. Credit hours and requirements vary. Arrangements must be made in the college prior to the beginning of the internship. An internship advisor from the Career Services Center will assist students in making these arrangements.

Multiple Majors

Undergraduates pursuing a degree in the College of Business may complete additional majors in the College of Business. Those desiring additional majors outside the college should refer to the catalog section of the appropriate college and department for the additional major requirements. A multiple major in business economics and agricultural business or economics is not permitted. A major in business economics with a minor in economics is not permitted.

Undergraduates with a primary major outside the College of Business who want a second major in business must meet the admission requirements for the professional program as well as complete the following requirements: Foundation, Supporting Courses, Business Core, and major requirements. (Refer to the current Curriculum Guide).

All students pursuing multiple majors or multiple degrees within the College of Business are required to have a minimum of 15 credits of coursework in each major that is not used in the other majors.

Students are limited to three business majors/degrees within the College of Business, or a total of three business major/minors within the college. This limit is on business majors/degrees/minors only, and does not apply to multiple majors/degrees/minors taken outside the College of Business.

Curriculum Changes

Iowa State University students who want to change their curriculum to the College of Business must attend a curriculum change meeting. See Changing Curriculum or Major for more details on this process. Students on Academic Probation will not be allowed to change curriculum to the College of Business during enrollment period three. See Making Schedule Changes.

International Business Secondary Major

A student in the College of Business may earn a secondary major in International Business. The requirements for this major include 12 credits in international business courses, one year of the same university-level foreign language (minimum 6 credits) and an approved international experience (minimum 3 months). Students who pursue this secondary major will be required to complete the requirements for a primary major in Business. Fifteen of the 18 credits required for the International Business major may not be used for the primary major.

Minor for Business Students

Students with a major in the College of Business may qualify for a minor specialization in one of the college’s departments by taking at least 15 credit hours in the minor specialization, nine hours of which may not be used to satisfy any other department, college, or university requirement. The minor must include at least 6 credits in courses numbered 300 or above taken at Iowa State University with a grade of C or higher. Students with declared majors have priority over students with declared minors in courses with space constraints.

Students are limited to three business majors/degrees within the College of Business, or a total of three business major/minors within the college. This limit is on business majors/degrees/minors only, and does not apply to multiple majors/degrees/minors taken outside the College of Business.

Minor for Non-Business Students

The College of Business offers a structured minor in general business to students outside the College. The minor requires a minimum of 15 credits, not including pre-requisite courses. Requirements for the minor are:

- ACCT 284 Financial Accounting 3
- ACCT 285 Managerial Accounting 3
- or ACCT 215 Legal Environment of Business
- or BUSAD 250 Introduction to Business
- Three courses chosen from the following:
- FIN 301 Principles of Finance
- MGMT 370 Management of Organizations
- MIS 330 Management Information Systems
- MKT 340 Principles of Marketing
- SCM 301 Supply Chain Management

The minor must include at least 6 credits in courses numbered 300 or above taken at Iowa State University. A C average or higher is required in all courses used to satisfy the minor requirements. All requirements for the minor must be taken for a grade. Students with a major outside the College of Business are eligible for a general business minor only—not a specialization in a business department.

Non-Business students may not take more than 9 cr. Of 300 or 400 level Business courses.

Entrepreneurial Studies Cross-Disciplinary Minor

The College of Business participates in a cross-disciplinary minor in Entrepreneurial Studies. This minor is available to any undergraduate student. Requirements for the minor include MGMT 310 Entrepreneurship and Innovation, MGMT 313 Feasibility Analysis and Business Planning (6 credits), two business-oriented electives from an approved list (6 credits), and an experiential learning component (3 credits). The approved list of courses is available in the Undergraduate Programs Office in the College of Business and on the web at http://www.business.iastate.edu/undergraduate/minors/entrepreneurship .
Non-degree Seeking Students

Students who wish to take courses in the College of Business, but are not seeking an undergraduate degree, should apply to the college as non-degree seeking students. Non-degree seeking students are eligible to take up to 9 credits in 300-level and above business courses without meeting the college’s admission requirements.

Upper Division Courses for Students Outside the College

Students from outside the College of Business are eligible to take up to 9 credits of 300-level and above business courses without meeting the college’s admission requirements to the professional program, as long as they meet course prerequisites.

Graduate Study

Three programs are offered at the master’s level: a master of business administration (M.B.A.) program, a master of accounting (M.Acc.), and a master of science in information systems (M.S.I.S.). These programs are intended to meet distinct sets of educational objectives.

The master of business administration (M.B.A.) is the professional management education program for those pursuing careers in business. The goal of the M.B.A. program is to educate future business leaders preparing them for the challenges of tomorrow by giving them the vision, knowledge, skills, and confidence to make the best decisions for all involved stakeholders. The M.B.A. program consists of a 48-credit curriculum leading to a non-thesis, non-creative component master of business administration. Students may pursue a specialization in accounting, finance, marketing, technology and innovation management, or supply chain management. The College of Business also offers a business administration minor to students with majors outside the college.

A concurrent B.S./M.B.A. is available to eligible engineering undergraduate students majoring in aerospace, agricultural, civil, computer, electrical, industrial, or mechanical engineering. A concurrent B.S. or B.A./M.B.A is available to eligible Chemistry undergraduate students. A concurrent D.V.M./M.B.A. degree is available to eligible Veterinary Medicine students.

Double degree programs are offered with architecture (M.Arch./M.B.A.), community and regional planning (M.B.A./M.C.R.P.), information systems (M.B.A./M.S.I.S.), and statistics (M.B.A./M.S.-Statistics).

The master of accounting (M.Acc.) is designed to meet the needs of accountants in public or private accounting, focusing on interpreting and analyzing accounting information for decision-making. Additionally, the M.Acc. program is designed to help interested candidates meet the 150-hour education requirement for CPA certification in Iowa. The 30 hour program requires 15 hours of graduate accounting courses and 15 hours of non-accounting graduate electives including a communications course and an international topics course.

The master of science in information systems (M.S.I.S.) is designed to provide students with strong technical skills and a broad background in business needed to effectively develop and manage information systems projects. Using the latest software, students will apply information systems theory and concepts to modern information systems development. Program requirements range from 30-42 credits depending upon the student’s background. The M.S.I.S. curriculum includes business foundation courses, information systems core courses and electives, and a research requirement (creative component).

The College of Business participates in the following graduate level interdepartmental programs: Information Assurance, Human Computer Interaction, Seed Technology and Business, and Transportation.

Ph.D in Business and Technology

The College of Business offers graduate work leading to the Doctor of Philosophy degree in business and technology, with one of three specializations—customer management (CM), supply chain management (SCM), or management information technology (MIT). Many departments in the college (Supply Chain and Information Systems, Marketing and Management), and the departments of Statistics, Economics, Psychology, and Sociology cooperate in providing coursework toward this degree. The program will prepare individuals for academic careers in research, teaching, and public service at institutions of higher learning in the United States and other countries. The PhD program consists of a 44 credit course curriculum followed by 12 credit thesis or dissertation. Students do not need to have an undergraduate degree or master’s degree in business in order to qualify for enrollment in the PhD program. However, students without a graduate degree in business will be required to complete 18 credit hours of business foundation courses. For more details or application information see the Business Administration Department listing in this catalog.

Curriculum in Business

The college offers programs of study leading to the degree bachelor of science with a major in accounting; finance; management; management information systems; marketing; supply chain management; or business economics. The college also offers a secondary major in international business. Total credits required: 122

See also: A 4-year (8 semester) plan of study for each business degree.

Business Curriculum

Only 65 cr. from a two-year institution may apply which may include up to 16 technical cr.; 9 P-NP cr. of free electives; 2.00 minimum GPA.

International Perspective: 3 cr.

U.S. Diversity: 3 cr.

Communication:

Proficiency met with grade of C or better in 2 of 3 English courses
ENGL 150 Critical Thinking and Communication 3
ENGL 250 Written, Oral, Visual, and Electronic Composition 3
ENGL 302 Business Communication 3
SP CM 212 Fundamentals of Public Speaking 3
LIB 160 Information Literacy 1

Humanities: 9 cr.

PHIL 230 Moral Theory and Practice, 6 cr. from approved humanities list.

Global Perspectives: 6 cr.

Limit of 3 cr. Econ, 6 cr. from approved global perspectives list.

Social Sciences: 6 cr.

6 cr. from approved social science list.

Natural Science: 3 cr.

3 cr. from approved natural sciences list.

Foundation:

BUSD 101 Orientation 0.5
BUSD 150 Computer Competencies for Business R
BUSD 250 Introduction to Business 3
MATH 150 Discrete Mathematics for Business and Social Sciences 3
ECON 101 Principles of Microeconomics 3
ECON 102 Principles of Macroeconomics 3
STAT 226 Introduction to Business Statistics I 3
ACCT 284 Financial Accounting 3

Supporting Courses:

BUSD 201 Career Issues in Business 0.5
BUSD 202 Professional Employment Preparation 0.5
MATH 151 Calculus for Business and Social Sciences 3
ACCT 215 Legal Environment of Business 3

Business Core: 21 cr.

ACCT 285 Managerial Accounting 3
FIN 301 Principles of Finance 3
MGMT 370 Management of Organizations 3
MIS 330 Management Information Systems 3
MKT 340 Principles of Marketing 3
SCM 301 Supply Chain Management 3
MGMT 478 Strategic Management 3

Total Credits 21
All above core courses must be complete before MGMT 478 Strategic Management.

**Electives:**

61 cr. must be non-business courses.

1. Acct, Fin, and Bus Econ majors will also take STAT 326 Introduction to Business Statistics II as part of the supporting courses. Bus Econ majors will take MATH 160 Survey of Calculus instead of 150, and ECON 207 Applied Economic Optimization instead of MATH 151 Calculus for Business and Social Sciences. See the Undergraduate Programs Office in the College of Business. Acct majors will take ACCT 301 The Accounting Cycle concurrent with ACCT 285 Managerial Accounting as part of the Supporting Courses. MIS majors will take MIS 207 Fundamentals of Computer Programming as part of the Supporting Courses.

2. Students not adequately prepared in mathematics may have to take remedial courses in addition to courses listed above. Remedial mathematics courses may not be used to satisfy credit requirements for graduation in the business curricula.

3. Students without adequate computer background may take COM S 103 Computer Applications to satisfy the computer literacy requirement.

4. Students may satisfy the Global Perspectives requirement either by taking six credit hours from the University International Perspectives list, or three credit hours from the International Perspectives list and three credit hours from the College of Business Global Perspectives list. Approved list of courses is available on the web at http://www.business.iastate.edu/undergraduate/majors or from the Undergraduate Programs Office in the College of Business.

5. Courses used for the International Perspectives and U.S. Diversity requirements may also be used to fulfill other curriculum requirements or electives and therefore credits are not included in the sum needed.

**Professional Programs**

The curriculum in accounting is accredited by AACSB International, the Association to Advance Collegiate Schools of Business, the international business accrediting agency.

**Accounting major: 21 cr.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 383</td>
<td>Intermediate Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 384</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 386</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 387</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 485</td>
<td>Principles of Federal Income Tax</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 497</td>
<td>Introduction to Auditing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One additional course from department approved list</td>
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<tr>
<td><strong>Total Credits</strong></td>
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<td><strong>21</strong></td>
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**Business Economics major: 19 cr.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECON 301</td>
<td>Intermediate Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON 393</td>
<td>Money, Banking, and Financial Institutions</td>
<td>3</td>
</tr>
<tr>
<td>ECON 431</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 492</td>
<td>Graduating Senior Survey</td>
<td>R</td>
</tr>
<tr>
<td></td>
<td>One 300-level ECON course *</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Two 400-level ECON courses †</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
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* Excluding 397 and 398.
† Excluding ECON 490.

**Finance major: 21 cr.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FIN 310</td>
<td>Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 320</td>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Two 400 level Finance courses from the following:</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>FIN 415</td>
<td>Business Financing Decisions</td>
</tr>
<tr>
<td></td>
<td>FIN 424</td>
<td>Financial Futures and Options</td>
</tr>
<tr>
<td></td>
<td>FIN 425</td>
<td>Security Analysis and Portfolio Management</td>
</tr>
<tr>
<td></td>
<td>FIN 428</td>
<td>Advanced Fixed Income Analysis and Portfolio Management</td>
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</tbody>
</table>

**Management major: 18 cr.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MGMT 371</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 377</td>
<td>Competitive Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 414</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 471</td>
<td>Personnel and Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two management elective courses from the department approved list.</td>
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<tr>
<td><strong>Total Credits</strong></td>
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**Management Information Systems major: 18 cr.**

<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>MIS 331</td>
<td>Intermediate Business Programming</td>
<td>3</td>
</tr>
<tr>
<td>MIS 432</td>
<td>Information Systems Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MIS 433</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>MIS 437</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two courses from Department list that complete an Elective Cluster.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Elective Clusters are Application Development, Business Analytics, IT Infrastructure and Security, and Supply Chain Management.</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>18</strong></td>
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**Marketing major: 18 cr.**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>MKT 444</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 447</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 443</td>
<td>Strategic Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two additional marketing courses from the department approved list.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Select one additional major elective course from the department approved list. *</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>18</strong></td>
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</table>

* Or course approved by adviser.

**Supply Chain Management major: 18 cr.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SCM 485</td>
<td>Demand Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>SCM 486</td>
<td>Principles of Purchasing and Supply Management</td>
<td>3</td>
</tr>
<tr>
<td>SCM 487</td>
<td>Strategic Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one of the following two-course concentrations:</td>
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<tr>
<td></td>
<td>Logistics Concentration</td>
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<tr>
<td></td>
<td>SCM 460</td>
<td>Decision Tools for Logistics and Operations Management</td>
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<tr>
<td></td>
<td>SCM 461</td>
<td>Principles of Transportation</td>
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<td></td>
<td>SCM 460</td>
<td>Decision Tools for Logistics and Operations Management</td>
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<td>SCM 461</td>
<td>Principles of Transportation</td>
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<tr>
<td></td>
<td>Operations Concentration</td>
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<tr>
<td></td>
<td>SCM 422</td>
<td>Manufacturing Planning and Control</td>
</tr>
<tr>
<td></td>
<td>SCM 424</td>
<td>Process Management, Analysis, and Improvement</td>
</tr>
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<td></td>
<td>One additional course from department approved list.</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>18</strong></td>
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