### Major Courses

<table>
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<tr>
<th>Course</th>
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<tbody>
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<td>SCMN 2150</td>
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<td>SCMN 4800</td>
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<td>SCMN 3710</td>
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<td>SCMN 3920</td>
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<td>SCMN 3810</td>
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<td>SCMN 4700</td>
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<th>Free Electives</th>
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**30 Major Hours**
Choices for University Core Requirements

Students enrolled in the University Honors College may enroll in the Honors equivalents of any of the core options listed below.

Core Literature options

If choosing “2 Literatures; 1 History” core option, the two Lit courses must be from the same series (2200 & 2210; 2230 & 2240; 2250 & 2260; or 2270 & 2280).

- ENGL 2200 (World Literature I) – 3 hrs
- ENGL 2210 (World Literature II) – 3 hrs
- ENGL 2230 (British Literature I) – 3 hrs
- ENGL 2240 (British Literature II) – 3 hrs
- ENGL 2250 (American Literature I) – 3 hrs
- ENGL 2260 (American Literature II) – 3 hrs
- ENGL 2270 (African American Literature Before 1900) – 3 hrs
- ENGL 2280 (African American Literature After 1900) – 3 hrs

Core Humanities options

One Core Humanities course is required only for students choosing the “2 History; 1 Literature” core option.

- FLGC 1150 (Global Fluency and Awareness) – 3 hrs
- PHIL 1010 (Intro to Logic) – 3 hrs
- PHIL 1020 (Intro to Ethics) – 3 hrs
- PHIL 1030 (Ethics & Health Sciences) – 3 hrs
- PHIL 1040 (Business Ethics) – 3 hrs
- PHIL 1050 (Political Philosophy) – 3 hrs
- PHIL 1060 (Philosophy of East and West) – 3 hrs
- PHIL 1070 (Philosophy of Art, Value and Society) – 3 hrs
- PHIL 1080 (Intro to Philosophy of Religion) – 3 hrs
- PHIL 1090 (Philosophy of Race and Gender) – 3 hrs
- PHIL 1100 (Intro to Philosophy) – 3 hrs
- PHIL 1110 (Philosophy of Science and Critical Thinking) – 3 hrs
- PHIL 1120 (Intro to Environmental Ethics) – 3 hrs
- RELG 1040 (Western Religions) – 3 hrs
- RELG 1050 (Eastern Religions) – 3 hrs
- UNIV 2710 (Human Odyssey) – 3 hrs
- COUN 2000 (Living & Communicating in a Diverse Society) – 3 hrs
- A 2nd Core Fine Arts class – 3 hrs
- A 2nd Core Literature class – 3 hrs
- “HONR 1007 (Technology and Culture I) – 3 hrs
- Only for students enrolled in the University Honors College

Core Social Science options

One Core Social Science course is required only for students choosing the “2 Literatures; 1 History” core option.

- AFRI 2000 (Intro to Africana Studies) – 3 hrs
- AGEC 1000 (Global Issues in Food, Ag, Dev, and Environ.) – 3 hrs
- ANTH 1000 (Intro to Anthropology) – 3 hrs
- COUN 2000 (Living & Communicating in a Diverse Society) – 3 hrs
- GEOG 1010 (Global Geography) – 3 hrs
- POLI 1050 (Global Politics and Issues) – 3 hrs
- POLI 1090 (American Government) – 3 hrs
- PSYC 2010 (Intro to Psychology) – 3 hrs
- SOCY 1000 (Sociology: Global Perspectives) – 3 hrs
- SOCY 1100 (Current Issues in Race and Ethics) – 3 hrs
- SUST 2000 (Intro to Sustainability) – 3 hrs
- “HONR 1007 (Technology and Culture I) – 3 hrs
- “HONR 1027 (Sustainability and the Modern World I) – 3 hrs
- “HONR 1037 (Sustainability and the Modern World II) – 3 hrs
- NATR 2050 (People and the Environment) – 3 hrs
- UNIV 2720 (Human Odyssey II) – 3 hrs
- GSHS 2000 (Global Studies Human Sciences) – 3 hrs

only for students enrolled in the University Honors College

Core Lab Science options

Students must complete one of the following 2-course options, plus labs. The 2 courses should NOT be taken together during the same semester.

- SCMH 1010 & BIOL 1010 (Concepts of Science & Survey of Life)
- SCMH 1010 & CSES 1010 (Concepts of Science & Soils and Life)
- SCMH 1010 & CSES 1020 (Concepts of Science & Crops and Life)
- SCMH 1010 & CHEM 1010 (Concepts of Science & Survey of Chemistry I)
- SCMH 1010 & GEOL 1100 (Concepts of Science & Dynamic Earth)
- SCMH 1010 & PHYS 1000 (Concepts of Science & Foundations of Physics)
- SCMH 1010 & PHYS 1150 (Concepts of Science & Astronomy)
- SCMH 1010 & PHYS 1500 (Concepts of Science & General Physics I)
- BIOL 1000 & BIOL 1010 (Intro to Biology & Survey of Life)
- CHEM 1010 & CHEM 1020 (Survey of Chemistry I & Survey of Chemistry II)
- CSES 1010 & CSES 1020 (Soils and Life & Crops and Life) – can be taken out of sequence
- GEOL 1100 & GEOL 1110 (Dynamic Earth & Earth and Life Through Time)
- PHYS 1500 & PHYS 1510 (General Physics I & General Physics II)

STOP! Additional options: WARNING –

These options are NOT recommended for Harbert students since they are primarily structured for Science & Engineering students.

- BIOL 1020 & BIOL 1030
- BIOL 1020 & BIOL 1010
- CHEM 1030 & CHEM 1040
- CHEM 1110 & CHEM 1020
- PHYS 1600 & PHYS 1610
- SCMH 1010 & PHYS 1600
- SCMH 1010 & CHEM 1030
- SCMH 1010 & CHEM 1110

Available Substitutions

- HIST 1210/1220 (Technology and Civilization I/II) can be substituted for HIST 1010/1020 to satisfy the core History option

2020-2021, NCore.SMaj or SCMN Curriculum Model Page 2
Supply Chain Management Major Notes
- All 3000-5000 level business courses require junior standing (60 hrs). MNGT 4800 requires senior standing (90 hrs).
- Any directed reading course or internship course must receive departmental approval prior to registration.
- Prerequisites and/or corequisites for the courses below are enforced. Refer to the course listings in the AU Bulletin for information.

Required Supply Chain Management Courses

- SCMN 2150 Ops: Mngt Of Business Process
- SCMN 3710 Logs: Mngt Of Fulfillment Proc Offered Fall and Spring
- SCMN 3720 Trans: Mngt Of Product Flows Offered Fall and Spring
- SCMN 3730 Purchasing: Supply Management And Searching Offered Fall and Spring
- SCMN 3810 Professional Development In Supply Chain Management Pr. SCMN 3150 OR 2150 Pr./Cr. BUSI 2100
- SCMN 4700 Supply Chain Performance Management Pr. SCMN 3710 and SCMN 3720
- SCMN 4800 Supply Chain Stgy: Global Persp Pr. SCMN 3710, SCMN 3720, and SCMN 3730

Choose one Supply Chain Professional Experience Course

- SCMN 3920 INTERNSHIP IN SUPPLY CHAIN MANAGEMENT Professional work experience in a supply chain focused position. Course may be repeated for a maximum of 6 credit hours. Pr. SCMN 2150/3150 or SCMN 3710
- SCMN 3910 PRACTICUM IN SUPPLY CHAIN MANAGEMENT Cooperatively select and execute an appropriate faculty supervised SCM field experience. Course may be repeated for a maximum of 3 credit hours.

Plus 6-11 hours of Supply Chain Electives

- SCMN 4620 SUSTAINABLE SUPPLY CHAIN MANAGEMENT Issues involved in managing a company’s supply chain sustainability efforts (Pr. SCMN 3150/2150 and SCMN 3710)
- SCMN 4730 SUPPLY CHAIN TOOLS AND TECHNOLOGIES Tools, techniques & technologies of various supply chain processes (Pr. SCMN 2150/2150)
- SCMN 4750 ENTERPRISE SYSTEMS IN SCMN Provides hands-on training on ERP systems using SAP. Offered beginning SP 21 (Pr. SCMN 4730 and 4700)
- SCMN 4770 OPERATIONS MANAGEMENT Key manufacturing management techniques used to balance supply with demand to ensure customer satisfaction (Pr. SCMN 3150/2150, SCMN 3710, SCMN 3720 & SCMN 3730)
- SCMN 4780 INTEGRATED LOGISTICS STRATEGY Strategies and tactics for improving supply chain service and financial performance (Pr.SCMN 3710 and 3720. 3720 requires a grade of a C or better)
- SCMN 4900 DIRECTED STUDIES IN SUPPLY CHAIN MANAGEMENT Advanced individual research of SCM topic under direction of a faculty member (Pr. SCMN 3710 and SCMN 3720, minimum grade of C or better in both courses)
- SCMN 4970 SPEC TOPS IN SUPPLY CHAIN MGMT Current topics and issues related to the field of supply chain management (Pr. SCMN 3150/2150 and SCMN 3710)
- SCMN 5720 QUALITY & PROCESS IMPROVEMENT Fundamentals of process improvement; techniques for performing quality control functions; quality management systems (Pr. SCMN 3150/2150 and BUAL 2600)
- BUAL 5600 PREDICTIVE MODELING I Introduction to linear models including multiple linear regression and model building in business decision making and applications (Pr. BUAL 2650)
- BUAL 5610 PREDICTIVE MODELING II (Pr. BUAL 5600)
- BUAL 5650 ENTERPRISE MANAGEMENT OF THE BIG DATA ENVIRONMENT Managing, governing, extracting, merging, and preparing large data sets for analysis (Pr. BUAL 2600)
- BUAL 5660 TECHNICAL ASPECTS OF BIG DATA MANAGEMENT Advanced topics in big data management, with emphasis on loading and cleansing the data for analysis (Pr. BUAL 2600)
- BUAL 5860 COMMUNICATING QUANTITATIVE RESULTS A case-based, project-oriented approach to business decision making based on company's mission and strategic objectives (Pr. BUAL 5610 and BUAL 5660)
- BUAL 5710 ADVANCED DATA AND TEXT ANALYTICS Course covers advance business analytics topics not covered by other courses. Offered beginning SP 21 (Pr. BUAL 5700/6700/6706; Pr./Cr. BUAL 5660/6660/6666)
- INSY 3800 - MANUFACTURING SYSTEMS I
- INSY 3400 - STOCHASTIC OPERATIONS RESEARCH (Pr. ENGR 1110 and MATH 2660)
- INSY 3410- DETERMINISTIC OPERATIONS RESEARCH (Pr. ENFR 1110 and MATH 2660 and P/C INSY 3010)
- INSY 3420 – SIMULATION (Pr. INSY 3400 and COMP 3010 or COMP 3013 OR INSY 3010 and STAT 3610 with a grade of C or better in INSY 3400)
- INSY 3700 - OPERATIONS PLANNING AND CONTROL (Pr. INSY 3400 and INSY 3410 and STAT 3610. With a C or better in both INSY 3400 and INSY 3410)
- INSY 5800 - LEAN PRODUCTION
- ISMN 5370 - PROJECT MANAGEMENT Tools and techniques of information technology project management including leading project management software

Students are encouraged to bundle elective coursework based on your professional Supply Chain interest area. See following page for recommendations on how to best bundle these courses to pursue your career goals.

Business Capstone Course

- MNGT 4800 Strategic Management Pr. MNGT 3100, FINC 3610, and MKTG 3310 and senior standing
## Suggested Professional Track Options - Choose One

**All SCMN Majors Must Complete These Eight Courses (21 credits):**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>SCMN 2150 Operations: Management of Business Processes</td>
<td>2</td>
</tr>
<tr>
<td>SCMN 3710 Logistics: Management of Fulfillment Processes</td>
<td>3</td>
</tr>
<tr>
<td>SCMN 3720 Transportation: Management of Production Flows</td>
<td>3</td>
</tr>
<tr>
<td>SCMN 3730 Purchasing: Supply Management &amp; Searching</td>
<td>3</td>
</tr>
<tr>
<td>SCMN 3810 Professional Development in Supply Chain Management</td>
<td>1</td>
</tr>
<tr>
<td>SCMN 3920 Professional Experience – Supply Chain Internship</td>
<td>3</td>
</tr>
<tr>
<td>SCMN 4700 Supply Chain Performance Management</td>
<td>3</td>
</tr>
<tr>
<td>SCMN 4800 Supply Chain Strategy: Global Perspective</td>
<td>3</td>
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</tbody>
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+ Select 3 or more electives in pursuit of a select supply chain career path: = 21

### Professional Track 1 – Supply Chain Analyst

**Required:** SCMN 4730 – Supply Chain Tools and Technologies | 3<br/>
**Required:** BUAL 5650 – Enterprise Management of the Big Data Environment | 3<br/>
**Choose one:** BUAL 5660 Technical Aspects of Big Data Management; BUAL 5600 Predictive Modeling I; BUAL 5610 Predictive Modeling II; SCMN 4750 Enterprise Systems in SCMN | 3

### Professional Track 2 – Operations Professional

**Required:** SCMN 4770 – Operations Management | 3<br/>
**Choose from the following options:** SCMN 5720 – Quality & Process Improvement; INSY 3800 – Manufacturing Systems I; INSY 5800 – Lean Production | 6

### Professional Track 3 – Logistics Professional

**Required:** SCMN 4780 – Integrated Logistics Strategy | 3<br/>
**Choose from the following options:** SCMN 4730 – Supply Chain Tools and Technologies; SCMN 5720 – Quality & Process Improvement; SCMN 4770 – Operations Management | 6

### Professional Track 4 – Supply Chain Engineer

**Required:** SCMN 5720 – Quality Process Improvement | 3<br/>
**Choose from the following options:** INSY 3400 – Stochastic Operations Research; INSY 3410 – Deterministic Operations Research; INSY 3420 – Simulation; INSY 3700 – Operations Planning and Control | 6

### Professional Track 5 – Supply Chain Procurement Specialist

**Choose from the following options:** SCMN 4730 – Supply Chain Tools & Tech; SCMN 4770 – Operations Management; SCMN 4620 – SC Sustainability; SCMN 5720 – Quality and Process Improvement; BUAL 5860 – Communicating Quantitative Results; ISMN 5370 – Project Mgmt | 9

### Professional Track 6 - Supply Chain Generalist

*Choose any THREE, 3-hour credit courses, from any of approved SCMN elective options listed on page 3 of the curriculum model.*

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>9</td>
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