## Supply Chain Management Curriculum Model

### Major Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCMN 2150</td>
<td>SCMN 4800</td>
</tr>
<tr>
<td>SCMN 3710</td>
<td>SCMN 4800</td>
</tr>
<tr>
<td>SCMN 3720</td>
<td>SCMN ELEC</td>
</tr>
<tr>
<td>SCMN 3730</td>
<td>SCMN 3920</td>
</tr>
<tr>
<td>SCMN 3810</td>
<td>Remaining SCMN ELEC</td>
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<tr>
<td>SCMN 4700</td>
<td></td>
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</tbody>
</table>

30 Major Hours

### Free Electives

<table>
<thead>
<tr>
<th>Courses</th>
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<tbody>
<tr>
<td>SCMN 2150</td>
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<tr>
<td>SCMN 3710</td>
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<tr>
<td>SCMN 3720</td>
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<tr>
<td>SCMN 3730</td>
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<tr>
<td>SCMN 3810</td>
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<tr>
<td>SCMN 4700</td>
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</tbody>
</table>

### Notes:

- Auburn University requires a minimum 2.0 major GPA & a minimum 2.0 AU cumulative GPA to satisfy graduation requirements.
- Refer to the AU Bulletin at bulletin.auburn.edu for course descriptions, frequencies, and pre-requisite information.
- Students may have no more than 4 hours of PHED course work and may not repeat a course in which a grade of ‘C’ or better was earned.

### Option 1: 2 Literatures and 1 History

- Core Literature
- Core Literature II (from same series)
- HIST 1010 -OR- HIST 1020
- Core Social Science

### Option 2: 2 Histories and 1 Literature

- HIST 1010
- HIST 1020
- Core Literature I or II
- Core Humanities

### Total: 123 Credit Hours
## Choices for University Core Requirements

### Core Literature options

If choosing 2 History/1 Lit option, choose any single Lit course.
If choosing 2 Lit/1 History option, must completed Lit I & II from the same series.

- 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 Lit I) – 3 hrs
- ENGL 2280 (African American Lit II) – 3 hrs

### Core Humanities options

One Core Humanities course is required only for students choosing the 2 History/1 Lit 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
- 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 Fine Arts options

- ARCH 2600 (The Art of Architecture, Place, and Culture) – 3 hrs
- ARTS 1510 (Looking at Art: Approaches to Interpretation) – 3 hrs
- ARTS 1610 (Introduction to Art History) – 3 hrs
- ENVD 2040 (Design, Invention and Society) – 3 hrs
- IND 1120 (Industrial Design in Modern Society) – 3 hrs
- MUSI 2730 (Appreciation of Music) – 3 hrs
- MUSI 2740 (Survey of Popular Music) – 3 hrs
- MUSI 2750 (Music and Science) – 3 hrs
- MDIA 2350 (Introduction to Film Studies) – 3 hrs
- THEA 2100 (Introduction to Theatre) – 3 hrs
- THEA 2020 (Acting Aesthetics) – 3 hrs

### Core Social Science options

One Core Social Science course is required only for students choosing the 2 Lit/1 History core option.

- AFRI 2000 (Intro to Africana Studies) – 3 hrs
- AGEC 1000 (Global Issues in Food, Ag, Dev, and Environment) – 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
- GSHS 2000 (Global Studies in Human Sciences) – 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
- WMST 2100 (Intro to Women’s & Gender Studies) – 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 & FOWS 1020 or FOWS 1030 or FOWS 1040 (CoS & Nature I or II or Climate I)
- SCMH 1010 & GEO 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)
- BIOL 1000 & BIOL 1010 (Intro to Biology & Survey of Life)
- CSES 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
- FOWS 1020 & FOWS 1030 (Science of Nature I & Science of Nature II)
- FOWS 1030 & FOWS 1050 (Climate Science I & Climate Science II)
- GEOG 1020 & GEOG 1030 (Global Systems I & Global Systems II)
- GEOG 1100 & GEOG 1110 (Dynamic Earth & Earth and Life Through Time)
- GEOG 1100 & GEOG 1020 or GEOG 1030 (Dynamic Earth & Global Systems I or II)
- PHYS 1500 & PHYS 1510 (General Physics I & General Physics II)

Additional options

**WARNING** – These options are NOT recommended for HCoB students since they include courses 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

**Business majors who earn AP BIOL 1020 credit and have not earned a 2nd core science credit should take BIOL 1010 to satisfy the 8 hrs core science requirement.

### Available Substitutions

- HIST 1210/1220 (Technology and Civilization I/II) can be substituted for HIST 1010/1020 to satisfy the core History requirement(s)
- MATH 1610 can be substituted for the MATH 1680 requirement. Note that MATH 1610 has higher pre-requisites than MATH 1680.
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 Business courses are enforced.
- Refer to the AU Bulletin for info on course pre-reqs and descriptions http://bulletin.auburn.edu.coursesofinstruction

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./Cr. BUSI 2010
- SCMN 4700 Supply Chain Performance Management  Pr. SCMN 3710/3713 and SCMN 3720
- SCMN 4800 Supply Chain Stgy: Global Persp  Pr. SCMN 3710/3713 and 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 3710/3713 & CTCT 3250/3253; Departmental approval required.
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. Pr. SCMN 3710/3713 & CTCT 3250/3253; Departmental approval required.

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 3150/2150/2153 and SCMN 3710/3713)
- SCMN 4730 SUPPLY CHAIN TOOLS AND TECHNOLOGIES  Tools, techniques & technologies of various supply chain processes (Pr. SCMN 3150/2150/2153)
- SCMN 4750 OR ISMN 5390 ENTERPRISE SYSTEMS IN SCMN  Provides hands-on training on ERP systems using SAP (Pr. SCMN 4730 & 4770)
- SCMN 4770 OPERATIONS MANAGEMENT  Key manufacturing management techniques used to balance supply with demand to ensure customer satisfaction. (Pr. SCMN 3150/2150/2153 and SCMN 3710/3713, & SCMN 3720 & SCMN 3730)
- SCMN 4780 INTEGRATED LOGISTICS STRATEGY  Strategies and tactics for improving supply chain service and financial performance (Pr. SCMN 3710/3713 and 3720. Requires a grade of a C or better in all pre-requisite courses)
- SCMN 4900 DIRECTED STUDIES IN SUPPLY CHAIN MANAGEMENT  Advanced individual research of SCM topic under direction of a faculty member. (Pr. SCMN 3150/2150/2153 and SCMN 3710/3713 and SCMN 3720 and SCMN 3730)
- SCMN 4970 SPEC TOPS IN SUPPLY CHAIN MGMT  Current topics and issues related to the field of supply chain management (Pr. SCMN 3150/2150/2153 and SCMN 3710/3713)
- SCMN 5500 INVENTORY & WAREHOUSE MANAGEMENT  Focuses on issues related to managing inventories in a supply chain (Pr. SCMN 3710/3713 and SCMN 3720)
- SCMN 5600: SUPPLY CHAIN PLANNING  Focuses on long-term and short-term planning of supply chains to provide a strategic fit with business objectives (Pr. SCMN 3710/3713 and SCMN 3720)
- SCMN 5720 QUALITY & PROCESS IMPROVEMENT  Fundamentals of process improvement; techniques for performing quality control functions; quality management systems (Pr. SCMN 3150/2150/2153 & BUSI 2600/2603 or STAT 2010/2017/2510/2513/2610/3010/3600)
- BUAL 5600 PRINCIPLES OF PREDICTIVE MODELING  Introduction to linear models including multiple linear regression and model building in business decision making and applications (Pr. BUCL 2650)
- BUAL 5610 BUSINESS DECISIONS WITH PORECTIVE MODELING (Pr. BUCL 2650)
- 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 5710 ADVANCED DATA AND TEXT ANALYTICS  Course covers advance business analytics topics not covered by other courses. 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 & COMP 3010 or COMP 3013 OR INSY 3010 & STAT 3610 with a grade of C or better in INSY 3400)
- INSY 3700 - OPERATIONS PLANNING AND CONTROL  (Pr. INSY 3400 & INSY 3410 & STAT 3610. With a C or better in both INSY 3400 & INSY 3410)
- INSY 5800 – LEAN PRODUCTION
- ISMN 5370 - PROJECT MANAGEMENT  Tools & techniques of information technology project mgmt including leading project mgmt software

Business Capstone Course

- MNGT 4800 Strategic Management  Pr. MNGT 3100, FINC 3610, and MKTG 3310 and senior standing  MUST BE COMPLETED AT AU
# SUPPLY CHAIN MANAGEMENT MAJOR

## Suggested PROFESSIONAL TRACK OPTIONS - CHOOSE ONE

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<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 STATEGY: 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Required: SCMN 4730 – SUPPLY CHAIN TOOLS AND TECHNOLOGIES</td>
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<tr>
<td>Required: BUAL 5650 – ENTERPRISE MANAGEMENT OF THE BIG DATA ENVIRONMENT</td>
<td>3</td>
</tr>
<tr>
<td>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</td>
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## PROFESSIONAL TRACK 2 – OPERATIONS PROFESSIONAL

<table>
<thead>
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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Required: SCMN 4770 - OPERATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>Choose from the following options: SCMN 5720 – QUALITY &amp; PROCESS IMPROVEMENT; INSY 3800 – MANUFACTURING SYSTEMS I; INSY 5800 – LEAN PRODUCTION</td>
<td>6</td>
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</table>

## PROFESSIONAL TRACK 3 – LOGISTICS PROFESSIONAL

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Required: SCMN 4780 – INTEGRATED LOGISTICS STRATEGY</td>
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</tr>
<tr>
<td>Choose from the following options: SCMN 4730 – SUPPLY CHAIN TOOLS AND TECHNOLOGIES; SCMN 5720 – QUALITY &amp; PROCESS IMPROVEMENT; SCMN 4770-OPERATIONS MANAGEMENT</td>
<td>6</td>
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## PROFESSIONAL TRACK 4 – SUPPLY CHAIN ENGINEER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Required: SCMN 5720 – QUALITY PROCESS IMPROVEMENT</td>
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</tr>
<tr>
<td>Choose from the following options: INSY 3400 – STOCHASTIC OPERATIONS RESEARCH; INSY 3410 – DETERMINISTIC OPERATIONS RESEARCH; INSY 3420 – SIMULATION; INSY 3700 – OPERATIONS PLANNING AND CONTROL</td>
<td>6</td>
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## PROFESSIONAL TRACK 5 – SUPPLY CHAIN PROCUREMENT SPECIALIST

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Choose from the following options: SCMN 4730 – SUPPLY CHAIN TOOLS &amp; TECH; SCMN 4770 - OPERATIONS MANAGEMENT; SCMN 4620 – SC SUSTAINABILITY; SCMN 5720 - QUALITY AND PROCESS IMPROVEMENT; SCMN 5600-SUPPLY CHAIN PLANNING; ISMN 5370 – PROJECT MGNT</td>
<td>9</td>
</tr>
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## 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. = 9