

Raymond J. Harbert College of Business • Supply Chain Management Curriculum Model

FRESHMAN YEAR

<u>FALL SEMESTER</u>				<u>SPRING SEMESTER</u>	
ENGL 1100	<input type="checkbox"/> ENGLISH COMP I	3	ENGL 1120	<input type="checkbox"/> ENGLISH COMP II	3
	<input type="checkbox"/> CORE OPTION ▲	3		<input type="checkbox"/> CORE OPTION ▲	3
MATH 1680	<input type="checkbox"/> CALCULUS W/ BUS APP I	4	COMM 1000	<input type="checkbox"/> PUBLIC SPEAKING	3
	<input type="checkbox"/> CORE LAB SCIENCE I ¹	4		<input type="checkbox"/> CORE LAB SCIENCE II ¹	4
BUSI 1010	<input type="checkbox"/> PROFESSIONAL DEVELOPMENT IN BUS I	1		<input type="checkbox"/> CORE FINE ART ¹	3

SOPHOMORE YEAR

<u>FALL SEMESTER</u>				<u>SPRING SEMESTER</u>	
ECON 2020	<input type="checkbox"/> MICROECONOMICS	3	BUAL 2650	<input type="checkbox"/> BUSINESS ANALYTICS II	3
	<input type="checkbox"/> CORE OPTION ▲	3	ECON 2030	<input type="checkbox"/> MACROECONOMICS	3
SCMN 2150	<input type="checkbox"/> OPERATIONS: MNGT OF BUS. PROC.	2		<input type="checkbox"/> CORE OPTION ▲	3
ACCT 2110	<input type="checkbox"/> FINANCIAL ACCOUNTING	3	ACCT 2210	<input type="checkbox"/> MANAGERIAL ACCOUNTING	3
BUAL 2600	<input type="checkbox"/> BUSINESS ANALYTICS I	3	ACCT 2700	<input type="checkbox"/> BUSINESS LAW	3
BUSI 2010	<input type="checkbox"/> PROFESSIONAL DEVELOPMENT IN BUS II	1			

JUNIOR YEAR

<u>FALL SEMESTER</u>		<u>SPRING SEMESTER</u>		<u>SUMMER SEMESTER</u>	
SCMN 3810	<input type="checkbox"/> PROFESSIONAL DEV. IN SCMN	1	MNGT 3100	<input type="checkbox"/> PRINCIPLES OF MANAGEMENT	3
SCMN 3710	<input type="checkbox"/> LOGISTICS: MNGT OF FULFIL. PROC.	3	FINC 3610	<input type="checkbox"/> PRINCIPLES OF FINANCE	3
MKTG 3310	<input type="checkbox"/> PRINCIPLES OF MARKETING	3	SCMN 3720	<input type="checkbox"/> TRANS: MNGT OF PROD. FLOWS	3
CTCT 3250	<input type="checkbox"/> INFORMATION ANALYSIS	3	SCMN 3730	<input type="checkbox"/> PURCHASING: MNGT & SEARCHING	3
	<input type="checkbox"/> FREE ELECTIVE	3	ISMN 2140	<input type="checkbox"/> INTRO TO INFO SYSTEMS MNGT	2
	<input type="checkbox"/> FREE ELECTIVE	3		<input type="checkbox"/> FREE ELECTIVE	2
				SCMN 3920	IN SCMN ⁴ 3

SENIOR YEAR

<u>FALL SEMESTER</u>				<u>SPRING SEMESTER</u>	
SCMN 4700	<input type="checkbox"/> SC PERFORMANCE MANAGEMENT	3	SCMN 4800	<input type="checkbox"/> SC STRATEGY: GLOBAL PERSPEC.	3
	<input type="checkbox"/> SCMN ELECTIVE ²	3		<input type="checkbox"/> FREE ELECTIVE	3
	<input type="checkbox"/> SCMN ELECTIVE ²	3	MNGT 4800	<input type="checkbox"/> STRATEGIC MANAGEMENT	3
BUSI 4010	<input type="checkbox"/> PROFESSIONAL DEVELOPMENT IN BUS IV	1		<input type="checkbox"/> Remaining SCMN ELECTIVE ²	3
	<input type="checkbox"/> FREE ELECTIVE	2	UNIV 4AA0	<input type="checkbox"/> CREED TO SUCCEED (GRADUATION)	0
	<input type="checkbox"/> FREE ELECTIVE	3			

TOTAL: 123 CREDIT HOURS

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.

1/2 See page two/three for a list of approved courses

3 HIST 1210/1220 can be taken in lieu of HIST 1010/1020

4 See pages three and four for options regarding the Professional Experience requirement.

▲ Business students must complete all four courses in either Option 1 or Option 2 below. See page two for a list of approved courses.

Option 1: 2 Literatures and 1 History

- Core Literature I¹
- Core Literature II (from same series)¹
- HIST 1010 -OR- HIST 1020³
- Core Social Science¹

Option 2: 2 Histories and 1 Literature

- HIST 1010³
- HIST 1020³
- Core Literature I or II¹
- Core Humanities¹

Major Courses	Grade	Major Courses	Grade
SCMN 2150		SCMN 4800	
SCMN 3710		SCMN ELEC	
SCMN 3720		SCMN ELEC	
SCMN 3730		SCMN 3920	
SCMN 3810		Remaining SCMN ELEC	
SCMN 4700			
30 Major Hours			

Free Electives

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 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
- 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 2010 (Introduction to Theatre) – 3 hrs
- THEA 2020 (Acting Aesthetics) – 3 hrs
- INDD 1120 (Industrial Design and Modern Society) – 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
 - AGECE 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

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 2010*
- 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 MGNT** 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*

SUPPLY CHAIN MANAGEMENT MAJOR

Suggested PROFESSIONAL TRACK OPTIONS - CHOOSE ONE

ALL SCMN MAJORS MUST COMPLETE THESE EIGHT COURSES (21 credits):	Credits
SCMN 2150 OPERATIONS: MANAGEMENT OF BUSINESS PROCESSES	2
SCMN 3710 LOGISTICS: MANAGEMENT OF FULFILLMENT PROCESSES	3
SCMN 3720 TRANSPORTATION: MANAGEMENT OF PRODUCTION FLOWS	3
SCMN 3730 PURCHASING: SUPPLY MANAGEMENT & SEARCHING	3
SCMN 3810 PROFESSIONAL DEVELOPMENT IN SUPPLY CHAIN MANAGEMENT	1
SCMN 3920 PROFESSIONAL EXPERIENCE – SUPPLY CHAIN INTERNSHIP	3
SCMN 4700 SUPPLY CHAIN PERFORMANCE MANAGEMENT	3
SCMN 4800 SUPPLY CHAIN STRATEGY: GLOBAL PERSPECTIVE	3

+ SELECT 3 OR MORE ELECTIVES IN PURSUIT OF A SELECT SUPPLY CHAIN CAREER PATH: = 21

PROFESSIONAL TRACK 1 – SUPPLY CHAIN ANALYST	Credits
Required: SCMN 4730 – SUPPLY CHAIN TOOLS AND TECHNOLOGIES	3
Required: BUAL 5650 – ENTERPRISE MANAGEMENT OF THE BIG DATA ENVIRONMENT	3
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	Credits
Required: SCMN 4770 - OPERATIONS MANAGEMENT	3
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	Credits
Required: SCMN 4780 – INTEGRATED LOGISTICS STRATEGY	3
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	Credits
Required: SCMN 5720 – QUALITY PROCESS IMPROVEMENT	3
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	Credits
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 MGNT	9

PROFESSIONAL TRACK 6 - SUPPLY CHAIN GENERALIST	Credits
Choose any THREE , 3-hour credit courses, from any of approved SCMN elective options listed on page 3 of the curriculum model.	9