

Raymond J. Harbert College of Business • Information Systems Management Curriculum Model

FRESHMAN YEAR

| <u>FIRST SEMESTER</u> | | <u>SECOND 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>FIRST SEMESTER</u> | | <u>SECOND SEMESTER</u> | | | |
|-----------------------|---|------------------------|-----------|--|---|
| BUAL 2600 | <input type="checkbox"/> BUSINESS ANALYTICS I | 3 | BUAL 2650 | <input type="checkbox"/> BUSINESS ANALYTICS II | 3 |
| ECON 2020 | <input type="checkbox"/> MICROECONOMICS | 3 | ECON 2030 | <input type="checkbox"/> MACROECONOMICS | 3 |
| | <input type="checkbox"/> CORE OPTION ▲ | 3 | | <input type="checkbox"/> CORE OPTION ▲ | 3 |
| ACCT 2110 | <input type="checkbox"/> FINANCIAL ACCOUNTING | 3 | ACCT 2210 | <input type="checkbox"/> MANAGERIAL ACCOUNTING | 3 |
| BUSI 2010 | <input type="checkbox"/> PROFESSIONAL DEVELOPMENT IN BUS II | 1 | ACCT 2700 | <input type="checkbox"/> BUSINESS LAW | 3 |
| | <input type="checkbox"/> FREE ELECTIVE | 3 | | | |

JUNIOR YEAR

| <u>FIRST SEMESTER</u> | | <u>SECOND SEMESTER</u> | | | |
|-----------------------|---|------------------------|-----------|--|---|
| ISMN 2140 | <input type="checkbox"/> INTRO TO MNGT INFO SYSTEMS | 2 | ISMN 4090 | <input type="checkbox"/> DESIGN OF BUS. INFO. SYSTEMS | 3 |
| ISMN 3010 | <input type="checkbox"/> PROF DEVELOPMENT IN INFO SYSTEMS | 1 | ISMN 5650 | <input type="checkbox"/> APP DEV WITH EMERGING TECH | 3 |
| ISMN 3830 | <input type="checkbox"/> DATABASE MGNT SYSTEMS | 3 | MNGT 3100 | <input type="checkbox"/> PRINCIPLES OF MANAGEMENT | 3 |
| MKTG 3310 | <input type="checkbox"/> PRINCIPLES OF MARKETING | 3 | BUAL 5660 | <input type="checkbox"/> TECH ASPECTS OF BIG DATA | 3 |
| BUAL 5650 | <input type="checkbox"/> ENTERPRISE MNGT OF BIG DATA ENV | 3 | SCMN 2150 | <input type="checkbox"/> OPS: MNGT OF BUSINESS PROCESSES | 2 |
| CTCT 3250 | <input type="checkbox"/> INFORMATION ANALYSIS | 3 | | <input type="checkbox"/> FREE ELECTIVE | 2 |

SENIOR YEAR

| <u>FIRST SEMESTER</u> | | <u>SECOND SEMESTER</u> | | | |
|-----------------------|---|------------------------|-----------|---|---|
| ISMN 5730 | <input type="checkbox"/> SECURITY AND INFO ASSURANCE | 3 | MNGT 4800 | <input type="checkbox"/> STRATEGIC MANAGEMENT | 3 |
| | <input type="checkbox"/> ISMN ELECTIVE ² | 3 | ISMN 5740 | <input type="checkbox"/> INFORMATION RISK ANALYSIS | 3 |
| | <input type="checkbox"/> ISMN ELECTIVE ² (*Focus option) | 3 | | <input type="checkbox"/> ISMN ELECTIVE ² (*Focus option) | 3 |
| FINC 3610 | <input type="checkbox"/> PRINCIPLES OF FINANCE | 3 | | <input type="checkbox"/> BUSINESS ELECTIVE | 3 |
| BUSI 4010 | <input type="checkbox"/> PROFESSIONAL DEVELOPMENT IN BUS IV | 1 | | <input type="checkbox"/> FREE ELECTIVE | 3 |
| | <input type="checkbox"/> FREE ELECTIVE | 2 | UNIV 4AA0 | <input type="checkbox"/> UNIVERSITY GRADUATION | 0 |

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 *Two ISMN Electives must be from a Focus Option

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

▲ 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 Course | Grade | Major Course | Grade |
|-----------------------|-------|-------------------|-------|
| ISMN 2140 | | ISMN 5740 | |
| ISMN 3830 | | ISMN ELEC (focus) | |
| ISMN 4090 | | ISMN ELEC (focus) | |
| ISMN 5650 | | ISMN ELEC | |
| ISMN 5730 | | MNGT 4800 | |
| ISMN 3010 | | | |
| 30 Major Hours | | | |

Free Electives

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

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
- INDD 1120 (Industrial Design in Modern Society) – 3hrs
- 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 (Aesthetics of Acting) – 3 hrs

Core Humanities options

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

- COUN 2000 (Living & Communicating in a Diverse Society) – 3 hrs
 - 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 (Ethical & Conceptual Foundations of Science) – 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 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, & Envi) – 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) – 3hrs
 - NATR 2050 (People and the Environment) – 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
 - UNIV 2720 (Human Odyssey II) – 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

Information Systems 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 co-requisites for the courses below are enforced. Refer to the course listings in the [AU Bulletin](#) for information on course prerequisites.**

Required Information Systems Management Courses

- ISMN 2140 Introduction To Management Information Systems
- ISMN 3010 Professional Development in Information Systems Pr./Cr. BUSI 2010
- ISMN 3830 Database Management Systems
- ISMN 4090 Design Of Business Systems Pr. ISMN 3830
- ISMN 5650 Application Development with Emerging Technologies
- ISMN 5730 Security And Information Assurance
- ISMN 5740 Information Risk Analysis
- MNGT 4800 Strategic Management Pr. MNGT 3100, FINC 3610, and MKTG 3310 and senior standing

Choices for Information Systems Management Electives

Students must choose a minimum of 2 ISMN electives from one of the Focus options: Cybersecurity, Analytics, or Development

Cybersecurity

- ISMN 5040 Advanced Business Data Communications Pr. ISMN 2140
- ISMN 5750 Information Technology Auditing Pr. ISMN 5730
- ISMN 5620 Business Application with Open Source Software
- BUAL 5600 Predictive Modeling I Pr. BUAL 2650
- ISMN 5900 Directed Studies

Analytics

- BUAL 5600 Predictive Modeling I Pr. BUAL 2650
- BUAL 5610 Predictive Modeling II Pr. BUAL 5600
- ISMN 5290 Advanced Business Application Dev. Pr. BUAL 5650 or BUAL 5600
- BUAL 5700 Big Data Infrastructure and Apps. Pr. ISMN 5650
- BUAL 5860 Communicating Quantitative Results Pr. BUAL 5660 & 5610
- ISMN 5900 Directed Studies

Development

- ISMN 3070 Business Systems Logic and Modeling
- ISMN 4850 Competitive Strategies through Information
- ISMN 5040 Advance Business Data Communications Pr. ISMN 2140
- ISMN 5620 Business Applications with Open Source Software
- ISMN 5290 Advanced Business Application Development Pr. BUAL 5650 or BUAL 5600
- ISMN 5960 Special Problems
- BUAL 5700 Big Data Infrastructure and Applications Pr. ISMN 5650
- ISMN 5900 Directed Studies

Other ISMN Electives (choose one course)

- BUAL 5600 Predictive Modeling I Pr. BUAL 2650
- BUAL 5610 Predictive Modeling II Pr. BUAL 5600
- BUAL 5860 Communicating Quantitative Results Pr. BUAL 5660 & 5610
- BUAL 5700 Big Data Infrastructure and Application Pr. ISMN 5650
- ISMN 3070 Business Systems Logic & Modeling
- ISMN 4850 Competitive Strategies Through Information
- ISMN 4920 Internship
 - Potential interns should take ISMN 3830 & 5650 by the end of junior year.
- ISMN 5040 Advanced Business Data Communications Pr. ISMN 2140
- ISMN 5290 Advanced Business Application Development
- ISMN 5370 Project Management
- ISMN 5390 Integrating Business Processes with ERP
- ISMN 5620 Business Application with Open Source Software
- ISMN 5750 Information Technology Auditing Pr. ISMN 5730
- ISMN 5900 Directed Studies
- ISMN 5960 Special Problems

Some ISMN courses are no longer offered. If previously completed, they will satisfy as an ISMN elective requirement.

Choices for Business Electives

- Any 3000-5000 level ACCT course except ACCT 3810
- Any 3000-5000 level BUAL course except 3010
- Any 3000-5000 level ECON course
- Any 3000-5000 level ENFB course
- Any 3000-5000 level FINC course except 3010 and 3810
- Any 3000-5000 level HRMN course
- Any 3000-5000 level ISMN course except 3010
- Any 3000-5000 level MKTG course except 3010
- Any 3000-5000 level MNGT course except 3010 and 3810
- Any 3000-5000 level SCMN course except 3810

Business Capstone Course

- MNGT 4800 Strategic Management Pr. MKTG 3310, FINC 3610, and MNGT 3100 and senior standing