

**Program Map: Computer Information & Logistics Systems (CILS)
College of Business Administration**

Name:
Start Date:

SID:
Catalog Date:

Advisor:
Expected Graduation Date:

	Fall Courses			Spring Courses			Notes
	Course	Name	Hours	Course	Name	Hours	
Freshman	ENGL 1101*	Composition I Prerequisite: None	3	ENGL 1102*	Composition II Prerequisite: ENGL 1101*	3	*course must be passed with grade C or higher
	MATH 1111*	College Algebra Prerequisite: None	3	HUMN 1201	Critical Thinking & Communications Prerequisite: None	3	
	CISM/CILS/ CSCI 1130*	Computer Applications Prerequisite: None	3	ECON 2105	Principles of Macro Economics Prerequisite: MATH 1111*	3	
	Non-lab science	See options on page 2	3	MATH 1113	PreCalculus Prerequisite: MATH 1111*	3	
	BUSA 1103	Intro to Business & Leadership Prerequisite: None	3	BUSA 2106	The Environment of Business Prerequisite: None	3	
	Fall Milestones		Total	Spring Milestones		Total	
			15	Student should become a Sophomore at end of term.		15	
Sophomore	Fall Courses			Spring Courses			Notes
	Course	Name	Hours	Course	Name	Hours	
	CILS 2109*	Intro to Logistics, Transportation & International Business Prerequisite: None	3	CISM/CILS 2130*	Business Information Systems Prerequisite: CILS/CSCI 1130	3	*course must be passed with grade C or higher
	ACCT 2101	Principles of Financial Accounting Prerequisite: MATH 1111*	3	BUSA 2185	Business Research Prerequisite: BUSA 2182	3	<u>Notes about lab science:</u> Students may not receive credit for both [BIOL 1011K and BIOL 1103] or [BIOL 1012K and BIOL 1104]; these are the same classes. BIOL 1103 or 1104 without lab may be used towards non-lab science as long as a different science with lab is taken for lab science requirement.
	BUSA 2105	Communication in the Business Environment Prerequisite: ENGL 1102*, CISM/CILS/CSCI 1130	3	ACCT 2102	Principles of Managerial Accounting Prerequisite: ACCT 2101	3	
	ECON 2106	Principles of Micro Economics Prerequisite: MATH 1111*	3	AFRS 1501	Survey African American Experience Prerequisite: None	2	
BUSA 2182	Intro to Business Statistics Prerequisite: MATH 1113	3	Lab science	See options on page 2 Prerequisite: None	4		
Fall Milestones		Total	Spring Milestones		Total		
			15	Student should complete Area F. Student should become a Junior at end of term.		15	
Junior	Fall Courses			Spring Courses			Notes
	Course	Name	Hours	Course	Name	Hours	
	BUSA 3145	Global Business Issues Prerequisite: Junior standing or 42 earned hours + completion of Area F	3	CILS 4200	Project Management Prerequisite: CISM/CILS/CSCI 1130* & CISM/CILS 2130*	3	*course must be passed with grade C or higher
	MGNT 3165	Management of Organizations Prerequisite: Junior standing or 42 earned hours + completion of Area F	3	Major track elective		3	In addition to listed course prerequisites, students must be Juniors (60 or more earned hours) to take upper division business classes. Students may enroll in upper division classes if they have between 42 and 59 earned hours and have completed Area F.
	FINC 3155	Business Finance Prerequisite: ACCT 2101 & 2102; ECON 2105 & 2106; BUSA 2182	3	MGNT 3185	Operations Management Prerequisite: BUSA 2182; MGNT 3165	3	
	MKTG 3175	Principles of Marketing Prerequisite: Junior standing or 42 earned hours + completion of Area F	3	Area C Option 2	See options on page 2 Prerequisite: varies	3	
CILS 4137	Database Design & Implementation Prerequisite: CISM/CILS 2130*	3	POLS 1101	American Government Prerequisite: None	3		
Fall Milestones		Total	Spring Milestones		Total		
Student should have updated resume and prepare to begin interacting in business professional activities offered by COBA.			15	Student should become a Senior at end of term.		15	Classes in the Major Area of Specialization (bolded) are offered once a year in either fall or spring semester.
Senior	Fall Courses			Spring Courses			Notes
	Course	Name	Hours	Course	Name	Hours	
	CILS 3190	Purchasing & Procurement for Supply Chain Management Prerequisite: MGNT 3165	3	CILS 4192	Strategy Management Prerequisite: MGNT 3165 & MKTG 3175	3	*course must be passed with grade C or higher
	CILS 4190	Transportation & Carrier Management Prerequisite: MGNT 3165 & MKTG 3175	3	CILS 4900	Occupational Internship Prerequisite: CISM/CILS/CSCI 1130* & CISM/CILS 2130*	3	Does this Degree Program Require a Minor? <u>No</u> Total Hours Required for this Degree Program: <u>120</u>
	Major track elective		3	Area C Option 1	See options on page 2 Prerequisite: None	3	
	HIST 2111 or 2112	Survey of US History Prerequisite: None	3	BUSA 4126*	Business Policy Prerequisite: ACCT 2101 & 2102; ECON 2105 & 2106; BUSA 2105, 2106, & 2182; MATH 1113; FINC 3155; MGNT 3165; MKTG 3175	3	
Area E Option	See options on page 2 Prerequisite: None	3	Free Elective	Any SSU course Prerequisite: Varies	3		
Fall Milestones		Total	Spring Milestones		Total		
Student should visit Career Services for resume update, mock interview opportunities, and access to job search boards.			15	Student should have a job in their major field by graduation or been accepted into graduate school.		15	

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Core Curriculum

Area A – Essential Skills 9 hrs

- i. ENGL 1101 English Composition I 3 hrs
- ii. ENGL 1102 English Composition II 3 hrs
- iii. MATH 1111 College Algebra 3 hrs

Area B – Institutional Options 5 hrs

- i. AFRS 1501 Survey of African-American Experience 2 hrs
- ii. HUMN 1201 Critical Thinking & Communication 3 hrs

Area C – Humanities/Fine Arts, and Ethics 6 hrs,

1. Select one of the following:
 - i. ENGL 2111 World Literature I 3 hrs
 - ii. ENGL 2112 World Literature II 3 hrs
 - iii. ENGL 2121 British Literature I 3 hrs
 - iv. ENGL 2122 British Literature II 3 hrs
 - v. ENGL 2131 American Literature I 3 hrs
 - vi. ENGL 2132 American Literature II 3 hrs
 - vii. ENGL 2140 African American Literature 3 hrs
 - viii. PHIL 2010 Introduction to Philosophy 3 hrs
 - ix. PHIL 2030 Introduction to Ethics 3 hrs
2. Select one of the following:
 - i. ARTS 1101 Introduction to Visual Art 3 hrs
 - ii. DNCE 2010 Dance Appreciation 3 hrs
 - iii. ENGL 2521 Introduction to Film 3 hrs
 - iv. HUMN 2011 Humanities 3 hrs
 - v. MUSC 1101 Introduction to Music 3 hrs
 - vi. THEA 2101 Introduction to Theatre 3 hrs

Area D – Natural Sciences, Math & Technology 10 hrs

1. Select one of the following:
 - i. CISM/CILS 1130 Computer Applications 3 hrs
 - ii. CSCI 1130 Computer Applications 3 hrs
2. Select one of the following:
 - i. ASTR 1000 Introduction to the Universe 3 hrs
 - ii. BIOL 1103 General Biology 3 hrs
 - iii. BIOL 1104 Human Biology 3 hrs
 - iv. CSCI 1301 Computer Science I 3 hrs
 - v. ENV5 1140 Environmental Issues 3 hrs
 - vi. FSCI 1101 Introduction to Molecular Forensic Science 3 hrs
 - vii. ISCI 1101 Integrated Science I 3 hrs
3. Select one of the following lab sciences:
 - i. BIOL 1103 + 1103L General Biology with lab 4 hrs
 - ii. BIOL 1104 + 1104L Human Biology with lab 4 hrs
 - iii. CHEM 1101K Introductory Chemistry 4 hrs
 - iv. ISCI 1111K Integrated Science II 4 hrs
 - v. MSCI 1501K Introduction to Marine Biology 4 hrs
 - vi. PHSC 1011K Physical Science I 4 hrs
 - vii. PHYS 1111K Introductory Physics I 4 hrs

Area E – Social Science 12 hrs

- i. POLS 1101 American Government 3 hrs
- ii. ECON 2105 Principles of Macro Economics 3 hrs
3. Select one of the following:
 - i. HIST 2111 U.S. History to the Post-Civil War Period 3 hrs
 - ii. HIST 2112 U.S. History from the Post-Civil War to Pre 3 hrs
4. Select one of the following:
 - i. AFRS 2000 Introduction to Africana Studies 3 hrs
 - ii. ANTH 1101 Introduction to Anthropology 3 hrs
 - iii. GEOG 1101 Introduction to Human Geography 3 hrs
 - iv. HIST 1111 World Hist to Early Modern Times 3 hrs
 - v. HIST 1112 World History Early Modern Times to Pres 3 hrs
 - vi. POLS 2401 Global Issues 3 hrs
 - vii. PSYC 1101 Intro to General Psychology 3 hrs
 - viii. PSYC 2103 Human Growth & Development 3 hrs
 - ix. SOCI 1101 Introduction to Sociology 3 hrs
 - x. SOCI 1160 Social Problems 3 hrs

Distinctive Courses in this Major

CILS 2109 Intro to Global Logistics, Transportation and International Business 3 Credits
This course will cover Introduction to concepts in Supply Chain, Logistics, Transportation, Culture, Political and Legal Institution, Economic Situation. The concepts will be learnt from a global perspective, primary focus will be on emerging economies and comparing with United States.

CILS 3190: Purchasing and Procurement for Supply Chain Management 3 Credits
This course introduces students to key concepts in purchasing and procurement practices in supply chain management. Additionally, the course also helps in developing an understanding of the strategic importance of sourcing in improving a firm's competitive position. Challenges in managing the relationships among businesses involved in the process of buying and selling products and services are explored. Procurement software are introduced to help students to see the applications of Information Systems in supply chain management.

CILS 4137 Database Design & Implementation 3 Credits
An introduction to the concept of database processing as it relates generally and to Logistics. The topics covered in this course are the components of database systems (DBMS), the entity/relationship diagrams, semantic object models as well as normalization and the relational model.

CILS 4190 Transportation and Carrier Management 3 Credits
With the increasing emphasis on efficient supply chains and more sophisticated logistics management techniques, the basic component of transport is moving a product or providing a service from one place to another has come under increasing economic pressure and increasing deregulation. The businesses today cannot be competitive without a good transportation and logistics network. The goal of this course is to understand the basic modes of transportation, the economic fundamentals underlying each and some of the ways in which today's supply chain manager can use them to achieve efficiencies and cost effectiveness necessary for a company to survive in today's global markets.

CILS 4192 Strategy Management 3 Credits
This course discusses the key concepts related to the principles of the strategy development and formulation. Concepts such as industrial, capabilities, and institutional approaches to the strategy will be covered. The course will be concluded on the business level and corporate level strategy formulation.

CILS 4200 Project Management 3 Credits
This course is designed to help students learn technologies and methodology to initiate, plan, monitor and execute projects. Students will learn and exercise to develop a comprehensive project plan, including tasks with time, cost, and quality measures throughout the course. Project management tools will be employed by the team to ensure tracking of the project and communication of project goals and accomplishments to the client. Students will learn from real-world cases and work on a number of software, including but not limited to, Microsoft products and Visio.

CILS 4900 Occupational Internship 3 Credits
This course is expected to serve as a supplemental source of learning and to enhance the student's academic program and career objectives. A minimum of 100 hours of relevant and practical experience or project are required in a public or private organization or as facilitated under the direction of the course instructor, which has entered into a formal internship agreement with the College of Business Administration. The student will perform duties and services as assigned by the work supervisor and internship coordinator. Reports and assignments are required to be completed by the students. General tasks can include: Logistics related technological equipment maintenance, software/hardware installation and upgrades, Web Page creation/maintenance, and Database creation and maintenance.

Available Tracks

- Management Information Systems
- Logistics