

BSBA: Computer and Information Sciences

Visit the undergraduate business website at www.cba.ufl.edu/upo

THESE DEGREE REQUIREMENTS ARE FOR CATALOGS 2001 AND 2002. IF UNSURE OF YOUR CATALOG YEAR, PLEASE CHECK YOUR DEGREE AUDIT ON ISIS ([WWW.ISIS.UFL.EDU](http://www.isis.ufl.edu)) OR SPEAK TO AN ACADEMIC ADVISOR.

Computer and Information Sciences (CIS) within the College of Business provides students with a core foundation in business topics and in-depth coursework in computer information sciences taught through the College of Engineering. The curriculum emphasizes analysis, configuration, programming, and database aspects of the design and implementation of a computerized business information system. CIS students will be prepared for professional careers involving the examination, development, and database aspects of the design and implementation of computer systems, networks or programs. For information on career opportunities consult: <http://www.crc.ufl.edu/> and www.cba.ufl.edu/upo/CurrentStudent/career.asp. The Warrington College of Business CIS major is one of the most rigorous majors at the University of Florida because of the depth of the major and level of technicality in the coursework.

The academic advisors for the department of Computer Information Sciences and Engineering may also assist students:

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Business Core Requirements

All business majors take these seven courses and must maintain a minimum 2.0 Core GPA

			<u>Credit Hours</u>
MAN	3025	Principles of Management.....	4
MAR	3023	Principles of Marketing.....	4
FIN	3403	Business Finance.....	4
QMB	3250	Statistics for Business Decisions.....	4
ECP	3703	Managerial Economics.....	4
BUL	4310	The Legal Environment of Business.....	4
MAN	4504	Operations Management.....	4
Total Hours			28

Major Requirements

CIS	3022	Programming for CIS Majors 1.....	3
CIS	3023	Programming for CIS Majors 2.....	3
CGS 2414/CIS 3020 sequence also accepted			
COP	2121	Introduction to COBOL for CIS Majors.....	3
COT	3100	Applications of Discrete Structures.....	3
COP	3530*	Data Structures and Algorithm.....	4
CDA	3101	Introduction to Computer Organization.....	3
CIS	4301*	Information System Design and Development.....	3
CEN	3031*	Introduction to Software Engineering.....	3
COP	4720	Database Management Systems.....	3
Total Hours			28

* Students must complete MAC2312 before taking these classes

A suggested sequence of courses for this major follows. This sequence follows the approved tracking program for the university.

**Suggested Sequence of Courses
Computer and Information Sciences**

Critical tracking courses for semesters 1-4 appear in bold; these courses must be completed with a combined GPA of 3.0 or higher.

First Term			Second Term		
Course	Course Title/Area	Credits	Course	Course Title/Area	Credits
ECO 2013	Principles of Macroeconomics	3	ECO 2023	Principles of Microeconomics	3
	✓ Humanities	3	MAC 2311	Analytical Geometry & Calculus I	4
	Physical Science	3		Biological Science	3
	Elective (recommend MAC 1147)	4		✓ Composition	3
	Elective	3		Elective	3
TOTAL		16	TOTAL		16
Third Term			Fourth Term		
Course	Course Title/Area	Credits	Course	Course Title/Area	Credits
ACG 2021C	Introduction to Financial Accounting	4	ACG 2071	Introduction to Managerial Accounting	3
STA 2023	Introduction to Statistics	3	CGS 2531	Problem Solving Using Computer Software	3
	✓ Humanities	3		✓ Humanities	3
MAC 2312	Analytical Geometry & Calculus II	4		Physical/Biological Science	3
				Elective(s)	3
TOTAL		14	TOTAL		15
<i>Consider a summer internship to maximize future employment opportunities.</i>					
Fifth Term			Sixth Term		
Course	Course Title	Credits	Course	Course Title/Area	Credits
CIS 3022	Programming for CIS Majors 1	3	CIS 3023	Programming for CIS Majors 2	3
COP 2121	Introduction to COBOL for CIS Majors	3	COT 3100	Applications of Discrete Structures	3
MAN 3025	Principles of Management	4	MAR 3023	Principles of Marketing	4
QMB 3250	Statistics for Business Decisions	4	FIN 3403	Business Finance	4
	Elective(s)	1		Elective(s)	2
TOTAL		15	TOTAL		16
<i>Consider a summer internship to maximize future employment opportunities.</i>					
Seventh Term			Eighth Term		
Course	Course Title/Area	Credits	Course	Course Title/Area	Credits
COP 3530	Data Structures and Algorithms	4	CIS 4301	Information System Design and Development	3
BUL 4310	The Legal Environment of Business	4	CEN 3031	Intro to Software Engineering	3
ECP 3703	Managerial Economics	4	MAN 4504	Operations Management	4
CDA 3101	Introduction to Computer Organization	3	COP 4720	Database Management Systems	3
TOTAL		15	TOTAL		13

✓ Six hours of the Composition and Humanities requirements must have an international or diversity focus.