

BSBA: Computer and Information Sciences (CIS)Visit the undergraduate business website at: www.cba.ufl.edu/upo

THESE DEGREE REQUIREMENTS ARE IN EFFECT ONLY FOR STUDENTS WHO ENROLLED AT THE UNIVERSITY OF FLORIDA WITH FRESHMAN OR SOPHOMORE STANDING BEGINNING WITH OR AFTER SUMMER B/FALL 2003 TERMS.

This program includes a strong background in computing and a broad core of business courses that enable graduates to work as programmers and applications systems analysts in organizations where business computing applications are required. However, the background also can prepare students for many types of positions in the fast-growing computer manufacturing, computer software, and computer application sectors of our economy. Demand for CIS majors with substantial computing education is seldom affected by periods of slow economic growth. For information on career opportunities consult: <http://www.crc.ufl.edu/> and <http://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 work and time requirements.

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

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Business Core Requirements

		<u>Credit Hours</u>
<i>All business majors take these seven courses and must maintain a minimum 2.0 Core GPA.</i>		
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 <u>4</u>
Total Hours		28

Major Requirements

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
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 <u>3</u>
Total Hours		28

* Students must complete MAC2312 before taking these classes

**Suggested Sequence of Courses
Computer and Information Sciences - 2003**

Critical tracking courses for semesters 1-4 appear in bold; these courses must be completed with a combined GPA of 3.0 or higher, excluding MAC2312

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
CGS 2531	Problem Solving Using Computer Software	3	MAC 2311	Analytic Geometry & Calculus 1	4
	✓ Humanities	3		Biological Science	3
	Elective (recommend MAC 1147)	4		✓ Composition	3
	Elective(s)	2		Elective(s)	
TOTAL		15	TOTAL		15
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
MAC 2312	Analytic Geometry and Calculus 2 (not included in tracking GPA)	4	STA 2023	Introduction to Statistics	3
	✓ Humanities	3		✓ Humanities	3
	Physical Science	3		Physical/Biological Science	3
	Elective(s)	2		Elective(s)	2
TOTAL		16	TOTAL		14
<i>Consider a summer internship to maximize future employment opportunities.</i>					
Fifth Term			Sixth Term		
Course	Course Title/Area	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
ECP 3703	Managerial Economics	4	FIN 3403	Business Finance	4
	Elective(s)	2			
TOTAL		16	TOTAL		14
<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	QMB 3250	Statistics for Business Decisions	4
BUL 4310	The Legal Environment of Business	4	CEN 3031	Intro to Software Engineering	3
CIS 4301	Information System Design and Development	3	MAN 4504	Operations Management	4
CDA 3101	Introduction to Computer Organization	3	COP 4720	Database Management Systems	3
	Elective(s)	2			
TOTAL		16	TOTAL		14

- ✓ Six hours of the Composition and Humanities requirements must have an international or diversity focus.
 * CIS recommends the CIS3022/CIS3023 sequence for students without computer programming experience.