

**B.S. in BUSINESS ADMINISTRATION  
COMPUTER INFORMATION SYSTEMS EMPHASIS  
Suggested Four-Year Schedule  
2014-2015 Catalog**

Student:

Date:

Advisor:

Bear ID:

The Bachelor of Science in Business Administration degree requires a minimum of **120 hours** which includes:  
**60 hours of Business** coursework (**30 hours of Business Core**, **24 hours of Emphasis** courses and **6 hours of Business Elective** courses) and  
**60 hours of Non-Business** coursework which includes a minimum of **40 Non-Business hours** designated as **Liberal Arts Core (LAC)**.  
 BA 205 (LAC 1b), BA 150 (LAC 3c), BA 251 (LAC 7), and/or BACS 101 (LAC ELCT) will count as part of the 60 hour requirement for Non-Business coursework.

YEAR ONE			Sem. Hrs.
BACS 101	(LAC ELCT) Business Computing		3
ENG 122	(LAC 1a) College Composition		3
	(LAC 6 - Sciences)		3
	(LAC 3 - Art & Humanities)		3
ECON 205	(LAC 5a) Principles of Microeconomics		3
MATH 124	(LAC 2) College Algebra		4
PSY 120 or SOC 100 or PSY 265	(LAC 5c) Principles of Psychology <b>or</b> (LAC 5c) Principles of Sociology <b>or</b> (LAC 5c) Social Psychology		3
	(LAC 7 - International Studies)		3
	(LAC 4 - History)		3
	(LAC 3 - Arts & Humanities)		3
<b>Total</b>			<b>31</b>

YEAR TWO			Sem. Hrs.
BA 205	(LAC 1b) Business Communications		3
<b>BAAC 220</b>	<b>Principles of Accounting I</b>		<b>3</b>
MATH 176	Topics in Calculus		3
ECON 203	(LAC 5a) Principles of Macroeconomics		3
<b>BAAC 221</b>	<b>Principles of Accounting II</b>		<b>3</b>
<b>BAFN 231</b>	<b>Legal Environment of Business</b>		<b>3</b>
STAT 150	(LAC 2) Intro to Statistical Analysis		3
	(LAC 6 - Sciences) (with Lab)		4
COMM 100	Basics of Public Speaking (LAC ELCT)		1
COMM 101	Speaking Evaluation (LAC ELCT)		2
BACS 287	Graphical Interface Programming ( <b>SP</b> )		3
<b>BA 299</b>	<b>Professional Experience</b>		0
<b>Total</b>			<b>31</b>

YEAR THREE			Sem. Hrs.
<b>BAFN 305</b>	<b>Intermediate Business Stats</b>		<b>3</b>
<b>BAMG 350</b>	<b>Management of Organizations</b>		<b>3</b>
<b>BAMK 360</b>	<b>Marketing</b>		<b>3</b>
<b>BACS 300</b>	<b>Information Systems</b>		<b>3</b>
<b>BAFN 370</b>	<b>Business Finance</b>		<b>3</b>
BACS 380	Network & Data Comm Systems		3
BACS 387	Object Oriented System Development ( <b>F</b> )		3
	CIS Emphasis Elective: Take three (3) semester credit hours from the following: BACS 350, 371, 382, 392, 486, or 495		3
<b>BAFN 390</b>	<b>Operations Management</b>		<b>3</b>
	(LAC 8 - Multicultural Studies)		3
<b>Total</b>			<b>30</b>

YEAR FOUR			Sem. Hrs.
<b>BAMG 456</b>	<b>Strategic Management</b>		<b>3</b>
BACS 485	Database Management Systems ( <b>F</b> )		3
BACS 487	Systems Analysis and Design ( <b>F</b> )		3
BACS 488	Senior CIS Project ( <b>SP</b> )		3
	Non-Business Elective		3
	Non-Business Elective		3
	CIS Emphasis Elective: Take three (3) semester credit hours from the following: BACS 350, 371, 382, 392, 486, or 495		3
	Business Elective: Take six (6) semester credit hours from: BACS 200 or any 300/400 level course from any emphasis that is not counted in the Business Core, Required Emphasis, or Required Emphasis Electives. (BAAC 301, BAFN 302 and BAMG 356 may not be used.)		3
	Non-Business Elective		1
<b>Total</b>			<b>28</b>

Non-Bus. hrs. completed	LAC hrs. remaining	Non-Bus. hrs. remaining	Total Non-Bus. hrs. remaining
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A student must attain a 2.0 or greater cumulative Business GPA, and at least a "C-" grade in each individual Business Administration Core course. A student who has attempted at least nine UNC credits in Business Administration courses must maintain a 2.0 grade point average in all Business courses. The following Business courses do **not** count in the Business GPA: BACS 180, BAFN 240, BAMK 260, BAAC 301, BAFN 302, and BAMG 356.

UNC's Grade Replacement Policy may be applied to Business courses during the student's undergraduate academic career. Please see <http://www.unco.edu/regrec/Current%20Students/Grades/Graderreplacement.html> for details.

**Note:** Some students may qualify to apply for admission to a Business major or minor. These students include: Transfer students with at least 15 hours with a cumulative GPA of 2.5-2.99 and UNC students who have completed a total of 15 hours with a cumulative UNC GPA of 2.5-2.99. Students may apply with the administrative assistant in the department of their choice of emphasis located in Kepner Hall.

**Students may transfer 12 semester hours from the Business Core, 9 semester hours from the Emphasis Core and Emphasis Electives and 6 semester hours from Business Electives.**

## MCB COURSE PREREQUISITES: 2014-2015 CATALOG

Students must meet course prerequisites as stated in the current UNC catalog.  
Check the catalog each semester you register to make certain you meet requirements.

### BUSINESS CORE: 30 semester credit hours total

Take all courses in the following list. A grade of "C-" or better is required in each course.  
A student may transfer a maximum of 12 semester credit hours of the Business Core to UNC.

Course #	Course Titles	Prerequisites	Prerequisite Course Titles/Notes
BA 299	Professional Experience	Consent of instructor Business Majors only	
BAAC 220	Principles of Accounting I	BACS 101 At least 24 credit hours completed	Business Computing (may be taken concurrently)
BAAC 221	Principles of Accounting II	BACS 101 BAAC 220 Sophomores or above	Business Computing (may be taken concurrently) Principles of Accounting I with a minimum of "C-"
BAFN 231	Legal Environment of Business	None	
BACS 300	Information Systems	BACS 101 or CS 101 Business Majors/Minors & SE Majors only Juniors or above	Business Computing Introduction to Computer Science
BAFN 305	Intermediate Business Statistics	BACS 101 BAFN 291 or STAT 150 MATH 176 or MATH 131 Business Majors/Minors only Juniors or above	Business Computing Business Statistics Intro to Statistical Analysis Topics in Calculus Calculus I
BAMG 350	Management of Organizations	Juniors or above	
BAMK 360	Marketing	ECON 205 Juniors or above	Principles of Microeconomics (may be taken concurrently)
BAFN 370	Business Finance	BAAC 221 BAFN 291 or STAT 150 ECON 203 ECON 205 Juniors or above	Principles of Accounting II Business Statistics I Intro to Statistical Analysis Principles of Macroeconomics Principles of Microeconomics
BAFN 390	Operations Management	BACS 101 BAFN 291 or STAT 150 Business Majors only Juniors or above	Business Computing Business Statistics I Intro to Statistical Analysis
BAMG 456	Strategic Management	BAFN 305 BAFN 370 BAMG 350 BAMK 360 Business Majors only Senior standing	Intermediate Business Statistics (may be taken concurrently) Business Finance Management of Organizations Marketing

### COMPUTER INFORMATION SYSTEMS EMPHASIS: 24 semester credit hours total

A maximum of 9 semester credits in 300/400-level Required Emphasis Credits and Elective Emphasis Credits can be transferred from other four-year institutions.

#### Required Emphasis Courses: 18 semester credit hours

Take all courses in the following list. A grade of "C-" or better is required in each course.

Course #	Course Titles	Prerequisites	Prerequisite Course Titles/Notes
BACS 287	Graphical Interface Programming (SP)	Business Majors/Minors & SE Majors only	
BACS 380	Networking and Data Communications Systems	Business Majors/Minors & SE Majors only Juniors or above	
BACS 387	Object Oriented System Development (F)	BACS 287 Business Majors/Minors & SE Majors only Juniors or above	Graphical Interface Programming
BACS 485	Database Management Systems (F)	BACS 287 Business Majors/Minors & SE Majors only Juniors or above	Graphical Interface Programming
BACS 487	Systems Analysis and Design (F)	BACS 287 BACS 300 CIS emphasis students, CIS Minors, & SE Majors only Juniors or above	Graphical Interface Programming Information Systems
BACS 488	Senior CIS Project (SP)	BACS 387 and BACS 487 or consent of instructor Business Majors/Minors & SE Majors only Senior standing	Object Oriented System Development Systems Analysis and Design

#### Required Elective Emphasis Courses: 6 semester credit hours

Take two courses from the following list. A grade of "C-" or better is required in each course.

Course #	Course Titles	Prerequisites	Prerequisite Course Titles/Notes
BACS 350	Intermediate Web Development	BACS 200 or consent of instructor	Web Design and Development for Small Business
BACS 371	Introduction to Computer Forensics	BACS 300 or consent of instructor	Information Systems
BACS 382	TCP/IP Network Security	BACS 380 or consent of instructor	Networking & Data Communications Systems
BACS 392	Systems Platforms & Network Development	BACS 380 or consent of instructor Business Majors/Minors only Juniors or above	Networking & Data Communications Systems with "C-"
BACS 486	Advanced Database Management	BACS 485 Business Majors only Seniors standing	Database Management Systems
BACS 495	Special Topics in CIS	Consent of instructor Business Majors/Minors only Juniors or above	

**Notes:**

- BACS 495 Special Topics in CIS may be repeated. A maximum of 6 credits may be applied to the student's degree program.
- With the written approval of the CIS Department Chair, an Executive Professor Special Topics course may be substituted for BACS 495 Special Topics in CIS.