

**B.S. in BUSINESS ADMINISTRATION
COMPUTER INFORMATION SYSTEMS CONCENTRATION**
Suggested Four-Year Schedule
2024-2025 Catalog

Student:

Date:

Advisor:

Bear ID:

The Bachelor of Science in Business Administration degree requires a minimum of **120 hours** which includes:
31 hours of Liberal Arts Curriculum and 28 hours of Supporting Courses (many courses count for both),
60 hours of Business coursework (30 hours of Business Core, 24 hours of Concentration courses and 6 hours of Business Elective courses) and
University Wide Electives to reach the 120 minimum credits.

Year One

| FALL SEMESTER | | | | SPRING SEMESTER | | | |
|----------------------|---------------------------|--|---|----------------------|--|--|---|
| BAMG 125 | Taking Care of Business | | 3 | BA 205 OR ENG 123 | (LAC) Business Communications OR College Research Paper | | 3 |
| BACS 101 | Business Computing | | 3 | ECON 205 | (LAC) Principles of Microeconomics | | 3 |
| ENG 122 | (LAC) College Composition | | 3 | | (LAC Arts & Humanities with Multicultural) | | 3 |
| MATH 124 | (LAC) College Algebra | | 4 | | (LAC History with International) | | 3 |
| | (LAC Arts & Humanities) | | 3 | | (LAC Natural and Physical Science) | | 3 |
| Total Credits | | | | Total Credits | | | |
| 16 | | | | 15 | | | |

Year Two

| FALL SEMESTER | | | | SPRING SEMESTER | | | |
|-------------------------------------|--|--|---|----------------------|--------------------------------------|--|---|
| BAAC 220 | Principles of Accounting I | | 3 | BAAC 221 | Principles of Accounting II | | 3 |
| BAFN 240 | Intro to Personal Financial Planning | | 3 | BAFN 231 | Legal Environment of Business | | 3 |
| ECON 203 | (LAC) Principles of Macroeconomics | | 3 | STAT 150 | (LAC) Intro to Statistical Analysis | | 3 |
| COMM 100 | Basics of Public Speaking | | 3 | BACS 287 | Graphical Interface Programming | | 3 |
| PSY 120 or SOC 100 or PSY 265 | (LAC) Principles of Psychology or (LAC) Principles of Sociology or (LAC) Social Psychology | | 3 | BAMG 350 | Management & Organizational Behavior | | 3 |
| Total Credits | | | | Total Credits | | | |
| 15 | | | | 15 | | | |

Year Three

| FALL SEMESTER | | | | SPRING SEMESTER | | | |
|----------------------|---|--|---|----------------------|--|--|---|
| BACS 380 | Network & Data Comm Systems (Fall only) | | 3 | BAMK 360 | Marketing | | 3 |
| BACS 387 | Object-Oriented Systems (Fall only) | | 3 | | CIS Concentration Elective (see back) | | 3 |
| BACS 300 | Information Systems | | 3 | | Business Elective (see back) | | 3 |
| | Business Elective (see back) | | 3 | BAMG 390 | Operations Management and Data Analytics | | 3 |
| BAFN 370 | Business Finance | | 3 | | University-Wide Elective | | 3 |
| Total Credits | | | | Total Credits | | | |
| 15 | | | | 15 | | | |

Year Four

| FALL SEMESTER | | | | SPRING SEMESTER | | | |
|----------------------|---|--|---|----------------------|---|--|---|
| BACS 485 | Database Management Systems (Fall only) | | 3 | BAMG 456 | Strategic Management | | 3 |
| BACS 487 | System Analysis and Design (Fall only) | | 3 | BACS 488 | Senior CIS Project (Spring only) | | 3 |
| | CIS Concentration Elective (see back) | | 3 | | (LAC Natural and Physical Science with LAB) | | 4 |
| | University-Wide Elective | | 3 | | University-Wide Elective | | 3 |
| | University-Wide Elective | | 3 | | University-Wide Elective | | 1 |
| Total Credits | | | | Total Credits | | | |
| 15 | | | | 14 | | | |

MCB CAREER READINESS REQUIREMENTS

| Professional Experience/Internship | | | Career Development Series | |
|---|--|-------------------|-------------------------------|------------------|
| 1. Information Session | | First Year | Career Values and Exploration | First Year |
| 2. Resume and Cover Letter | | Second Year | Career Conversations | Sophomore Status |
| 3. Professionalism and Interviewing | | Second Year | Networking Night | Junior Status |
| 4. Professional Experience (must be approved prior to its start date) | | Third/Fourth Year | Career and/or Internship Fair | Senior Status |
| https://mcb.unco.edu/professional-experience/ | | | | |

Students are reminded that to graduate with a Business Administration degree, a student must maintain a 2.0 or greater cumulative Business GPA and at least a "C-" grade in each individual Business Administration Core, Concentration, and business elective courses. Additionally, all students in the program must complete a Professional Experience prior to graduation.

Admission Requirements: *Incoming New First Time and Transfer* students are admitted to the College of Business major and minors provided they meet the admission requirements set forth by UNC. *Current UNC students* who have completed at least 15 credit hours with a cumulative GPA of 2.50 or above are guaranteed admission to any business major. *Current UNC students* who have completed at least 15 credit hours with a cumulative GPA of 2.00-2.49 qualify to apply for admission to a business major. Students may apply at the MCB Advising Center located in Kepner 0095.

Students must complete at least 30 credits of their business degree in residence from MCB and these credits must be at the 300 and/or 400 level.

MCB UNDERGRADUATE COURSE PREREQUISITES: 2024-2025 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.
A grade of "C-" or better is required in all business courses

BUSINESS CORE: 30 CREDIT HOURS

Take all courses in the following list. (**Must be declared Business Major*)
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 |
|-----------|--|--|---|
| BAAC 220 | Principles of Accounting I | BACS 101 At least 24 credit hours completed | Business Computing with a minimum grade of "C-" |
| BAAC 221 | Principles of Accounting II | BACS 101 BAAC 220 Sophomores or above | Business Computing with a minimum grade of "C-" Principles of Accounting I with minimum grade of "C-" |
| BAFN 231 | Legal Environment of Business | None | |
| BAFN 240 | Intro. to Personal Financial Planning | None | |
| BAMG 350 | Management & Organizational Behavior | 45 completed credits or above | |
| BAMK 360 | Marketing | 45 completed credits or above | |
| BACS 300 | Information Systems | BACS 101 or CS 101 or CS 120 45 completed credits or above | Business Computing or Introduction to Computer Science or Computer Programming |
| BAFN 370 | Business Finance | BAAC 221 MATH 124 STAT 150 ECON 203 ECON 205 Juniors or above | Principles of Accounting II College Algebra Intro to Statistical Analysis Principles of Macroeconomics Principles of Microeconomics |
| BAMG 390* | Operations Management and Data Analytics | BACS 101 STAT 150 Business Majors only Juniors or above | Business Computing Introduction to Statistical Analysis |
| BAMG 456* | Strategic Management | BAFN 370 BAMG 350 BAMK 360 Business Majors only Senior standing | Business Finance with a minimum grade of "C-" Management with a minimum grade of "C-" Marketing with a minimum grade of "C-" |

COMPUTER INFORMATION SYSTEMS CONCENTRATION: 24 semester credit hours

** Must be declared Business Major*
A maximum of 9 semester credits in 300/400-level Required Concentration Credits and Elective Concentration Credits can be transferred from other four-year institutions.

Required Concentration Courses: 18 semester credit hours.

A grade of "C-" or better is required in each course.

| Course # | Course Titles | Prerequisites | Prerequisite Course Titles/Notes |
|-----------|---|---|---|
| BACS 287* | Graphical Interface Programming | None | |
| BACS 380* | Networking & Data Comm. Systems (Fall only) | Juniors or above | |
| BACS 387* | Object Oriented System Develop. (Fall only) | BACS 287 Juniors or above | Graphical Interface Programming |
| BACS 485* | Database Management Systems (Fall only) | BACS 287 BACS 300 Senior standing | Graphical Interface Programming Information Systems |
| BACS 487* | Systems Analysis and Design (Fall only) | BACS 287 BACS 300 CIS Concentration students and SE majors Senior standing | Graphical Interface Programming Information Systems |
| BACS 488* | Senior CIS Project (Spring only) | BACS 387 or CS 350 BACS 487 Senior standing | Object Oriented System Development or Software Engineering I with minimum grade of "C-" Systems Analysis and Design with minimum grade of "C-" |

Required Elective Concentration Courses: 6 semester credit hours.

Take **two** courses from the following.
A grade of "C-" or better is required in each course. (**Must be declared Business Major*)

| Course # | Course Titles | Prerequisites | Prerequisite Course Titles/Notes |
|-----------|--|--|---|
| BACS 350 | Intermediate Web Development (Fall only) | BACS 200 | Web Design and Development for Small Business |
| BACS 371 | Intro. to Computer Forensics (Spring only) | None | |
| BACS 382 | Information Security (Spring only) | BACS 380 | Networking & Data Communications Systems |
| BACS 383 | Designing User Experiences (Fall only) | BACS 200 BACS 287 or CS 200 Juniors or above | Web Design with minimum grade of "C-" Graphical Interface Programming or Object-Oriented Analysis, Design and Programming with minimum grade of "C-" |
| BACS 385 | Fund. of Project Management (Spring only) | Juniors or above | |
| BACS 392* | Systems Platforms & Network Development | BACS 380 Juniors or above | Networking & Data with minimum grade of "C-" |
| BACS 495* | Special Topics in CIS | Juniors or above | |

Business Electives – Six (6) semester credit hours

BA 251, BACS 200, BACS 287 or any 300/400 level course from any Concentration not counted in the Business Core, Required Concentration, or Required Concentration Electives.
(BAAC 301, BAFN 302 and BAMG 356 may not be used.)

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.