



BS BUSINESS COMPUTER INFORMATION SYSTEMS

A STEM-designated degree program

2023-2024

ITDS Advisor
BLB 367C
ITDS.Advisor@unt.edu

University Core (42 hours)

Please see the UNT catalog or the RCOB Undergraduate Programs Office in BLB 110 for specific core requirements.

Pre-Business Requirements (21 hours)

| | |
|-------------------------------------|---------------------------------------|
| ECON 1100 & 1110 (6 hrs) | Principles of Economics |
| MATH 1190 (3 hrs) | Business Calculus |
| BCIS 2610 (3 hrs) | Introduction to Computers in Business |
| ACCT 2010 & 2020 (6 hrs) | Accounting Principles I & II |
| DSCI 2710 (3 hrs) | Data Analysis with Spreadsheets |

Other Requirements (hours vary)

Communication: COMM 1010* Intro to Communication or TECM 2700 Technical Writing

Professional Development:

BUSI 1200
BUSI 3100

BUSI 1200 and BUSI 3100 must be completed prior to enrolling in BUSI 4940.

Free Electives (to reach 120 hours; hours vary)

BUSI 1200 is expected to be completed prior to declaring a major. All of the professional development courses are 1 hour courses and must be completed with a grade of C or higher.

IMPORTANT NOTICE: *In order to enroll in JR/SR level courses and file a degree plan, students must: complete 45 hours, complete the pre-business requirement courses with minimum grades of C; have a minimum 2.7 pre-business GPA; AND have a minimum 2.0 UNT cumulative GPA.*

Business Foundation Courses (24 hours)

| | |
|----------------------------------|---|
| BCIS 3615 (3 hrs) | Visual Display of Business Information |
| BLAW 3430 (3 hrs) | Legal and Ethical Environment of Business |
| BCIS 3610 (3 hrs) | Basic Information Systems |
| MKTG 3650 (3 hrs) | Foundations of Marketing Practice |
| DSCI 3710 or 3870 (3 hrs) | Business Statistics with Spreadsheets or Management Science |
| FINA 3770 (3 hrs) | Finance |
| MGMT 3720 (3 hrs) | Organizational Behavior |
| BUSI 4940* (3 hrs) | Business Policy |

* Requirements for enrollment in BUSI 4940: completion of all other business foundation courses along with the required Professional Development courses w/C or higher, SR status, and graduating semester.

Professional Field Courses (33 hours)

| | |
|----------------------------|---|
| BCIS 3630^^ (3 hrs) | Object-Oriented Programming for Business |
| BCIS 3680 (3 hrs) | Enterprise-Oriented Programming |
| BCIS 4610 (3 hrs) | Analysis of Business Information Systems |
| BCIS 4620 (3 hrs) | Introduction to Database Applications |
| BCIS 4630 (3 hrs) | Fundamentals of Information Technology Security |
| BCIS 4680 (3 hrs) | Business Data Communications and Networking |
| BCIS 4690^ (3 hrs) | Information Technology Management |
| BCIS 4720 (3 hrs) | Web Based Information Technologies |

Select three courses from the following:

| | |
|------------------|---|
| BCIS 3620 | Mainframe Concepts |
| BCIS 3690 | Advanced Mainframe |
| BCIS 4660 | Introduction to Data Warehousing |
| BCIS 4670 | Cont. Seminar in Computer-Based Info. Sys. |
| BCIS 4730 | International Issues of Info Technology |
| BCIS 4740 | Administration & Policy in Information Security |
| BCIS 4750 | Blockchain for Business |
| BCIS 4760 | Introduction to Business Aspects of Digital Forensics |
| BCIS 4770 | Operating Systems Security Principles for Business |
| DSCI 4520 | Introduction to Data Mining |

^BCIS 4690: Must be taken in graduating semester after all business foundation courses have been completed with a grade of "C" or higher.

^^BCIS 3630: Must earn a "B" or better in order to progress.

^^^Internship (BCIS 4800): This can be used as a BCIS elective IF taken for a grade. Departmental approval is required.

The Bachelor of Science (BS) with a major in **Business Computer Information Systems** provides an appropriate base of knowledge for entry into the information systems profession. This **STEM-designated degree program** is intended for those students who desire a strong, specialized degree that develops a solid technical understanding of information systems and their application and use in organizations. This degree qualifies an F-1 student for a STEM OPT extension.

A grade of "C" or higher is required in all Pre-Business, Professional Development, Business Foundation, Professional Field, and Supporting Field courses (except where mentioned otherwise).

A 2.7 cumulative UNT GPA, a grade of "B" or higher in BCIS 3630 and a grade of "C" or higher in each previously taken BCIS course is required to enroll in all upper level BCIS courses.

A 2.0 UNT, 2.0 Overall, and 2.7 Professional/Supporting Field GPA is required for graduation

For more information on careers and companies recruiting graduates from this program, contact the Career Center at 940-565-2105

Attention: consult online degree audit for your correct catalog year.

www.cob.unt.edu/undergrad

BS Business Computer Information Systems

2023-2024 Suggested Curriculum

| YEAR | FALL SEMESTER | HOURS | SPRING SEMESTER | HOURS |
|-----------------|---|-----------|---|-----------|
| FRESHMAN | English (ENGL 1310)** | 3 | English (TECM 2700 or ENGL 1320)** | 3 |
| | Univ. Core Mathematics (MATH 1180 if required as a prerequisite or MATH 1190)** | 3 | Mathematics (MATH 1190)** | 3 |
| | Life and Physical Science | 3 | Political Science/Government (PSCI 2305 or 2306) | 3 |
| | Political Science/Government (PSCI 2305 or 2306) | 3 | Economics (ECON 1100)** | 3 |
| | Component Area Option (COMM 1010)** | 3 | Professional Development I (BUSI 1200) | 1 |
| | Total | | Intro to Computers in Business (BCIS 2610) | 3 |
| | | 15 | Total | 16 |

| YEAR | FALL SEMESTER | HOURS | SPRING SEMESTER | HOURS |
|------------------|----------------------------------|-----------|---|-----------|
| SOPHOMORE | Language, Philosophy and Culture | 3 | Life and Physical Science | 3 |
| | American History (HIST 2610) | 3 | Speech (COMM 1010)** or Technical Writing (TECM 2700)** | 3 |
| | Economics (ECON 1110)** | 3 | American History (HIST 2620) | 3 |
| | Accounting (ACCT 2010) | 3 | Accounting (ACCT 2020) | 3 |
| | Creative Arts | 3 | Data Analysis with Spreadsheets (DSCI 2710) | 3 |
| | Total | 15 | Total | 15 |

| YEAR | FALL SEMESTER | HOURS | SPRING SEMESTER | HOURS |
|---------------|--|-----------|--|-----------|
| JUNIOR | Basic Information Systems (BCIS 3610)* | 3 | Analysis of Business Information Systems (BCIS 4610) | 3 |
| | Visual Display of Business information (BCIS 3615)* | 3 | Introduction to Database Applications (BCIS 4620) | 3 |
| | Business Statistics or Management Science (DSCI 3710 or 3870)* | 3 | Enterprise Oriented Programming (BCIS 3680) | 3 |
| | <u>Object Oriented Programming for Business (BCIS 3630)</u> | 3 | BCIS Elective | 3 |
| | Legal and Ethical Environment of Business (BLAW 3430)* | 3 | Foundations of Marketing Practice (MKTG 3650)* | 3 |
| | Professional Development II (BUSI 3100) | 1 | | |
| | Total | 16 | Total | 15 |

| YEAR | FALL SEMESTER | HOURS | SPRING SEMESTER | HOURS |
|---------------|---|-----------|--|-----------|
| SENIOR | Fundamentals of Information Security (BCIS 4630) | 3 | Business Policy (BUSI 4940—Capstone) | 3 |
| | Business Data Communications and Networking (BCIS 4680) | 3 | Information Technology Management (BCIS 4690) | 3 |
| | BCIS Elective (BCIS 4800 recommended with dept consent) | 3 | Web Based Information Technologies (BCIS 4720) | 3 |
| | Finance (FINA 3770)* | 3 | BCIS Elective | 3 |
| | Organizational Behavior (MGMT 3720)* | 3 | Free elective (BCIS 4800 recommended) | 1 |
| | Total | 15 | Total | 13 |

*Business Foundation courses must be completed with a grade of C or higher prior to enrolling in BUSI 4940.

** Courses that will fulfill university core and pre-business requirements. Courses used to fulfill both University and College requirements will increase number of required free electives to reach the 120 hours minimum for graduation. Consult with your advisor for questions on number of free electives needed.

- This schedule is only a suggestion; make sure you understand the necessary prerequisites for each course and consult the Undergraduate Programs Office. Course availability subject to change; actual degree audits may change depending on course availability in a given semester.
- **Before enrolling** in MATH 1190, the correct math placement is required or you must pass the prerequisite math with a grade of C or higher.
- **Bolded courses** are pre-business prerequisites to all JR/SR level business courses and require a grade of C or higher. **Additionally**, completion of all pre-business prerequisite courses with a minimum 2.7 *pre-business GPA* and a minimum 2.0 *UNT cumulative GPA* along with completion of 45 hours are required prior to enrolling in any JR/SR level business course and/or filing for an official degree plan.
- The underlined and italicized course BCIS 3630 will require a grade of "B" or higher in order to progress to additional upper level BCIS courses.
- A total of 120 credit hours are required for this degree. GPA requirements for graduation: 2.0 UNT cumulative, Professional Field varies by major (see advisor), and 2.0 Overall.

5/16/23 PMM

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