# Information Systems and Operations Management - Undergraduate Programs

The Department of Information Systems and Operations Management offers the BBA in Information Systems, the BBA in Operations and Supply Chain Management, the BS in Business Analytics, the BS in Information Systems, and minors in Business Analytics and Information Systems.  Students develop generalized business knowledge as well as specialized skills for addressing technical and operations needs of an organization.   Students are prepared for a variety of jobs including business analyst, programmer/developer, systems designer, supply chain management, and operations process and control.

## Requirements for a Bachelor of Science in Business Analytics

Advanced business electives should be selected with the advice of an academic advisor.

Students must meet all lower division requirements before enrolling in upper division courses. Specified prerequisites are designated for certain courses.

| Pre-Professional Course Requirements - Fulfill the University General Core Requirements (42 hours and 3 elective hours) | | |
|---|---|---|
| General Core Requirements (http://catalog.uta.edu/academicregulations/degreerequirements/generalcorerequirements/) | | 42 |
| Communication (minimum 6 hours required) | | 6 |
| ENGL 1301 | RHETORIC AND COMPOSITION I | |
| ENGL 1302 | RHETORIC AND COMPOSITION II | |
| Mathematics (minimum 6 hours required) | | 6 |
| MATH 1315 | COLLEGE ALGEBRA FOR ECONOMICS & BUSINESS ANALYSIS | |
| MATH 1316 | MATHEMATICS FOR ECONOMICS AND BUSINESS ANALYSIS | |
| Life and Physical Sciences (minimum 6 hours required) | | 6 |
| From Approved University General Core Requirement List | | |
| Language, Philosophy & Culture (minimum 3 hours required) | | 3 |
| From Approved University General Core Requirement List | | |
| Creative Arts (minimum 3 hours required) | | 3 |
| From Approved University General Core Requirement List | | |
| US History (minimum 6 hours required) | | 6 |
| HIST 1301 | HISTORY OF THE UNITED STATES TO 1865 | |
| HIST 1302 | HISTORY OF THE UNITED STATES, 1865 TO PRESENT | |
| Government/Political Science (minimum 6 hours required) | | 6 |
| POLS 2311 | GOVERNMENT OF THE UNITED STATES | |
| POLS 2312 | STATE AND LOCAL GOVERNMENT | |
| Social & Behavioral Sciences (minimum 3 hours required) | | 3 |
| Satisfied by completion of ECON 2305 in the Business Core. | | |
| Foundational Component Area (minimum 3 hours required) | | 3 |
| Satisfied by completion of ECON 2306 in the Business Core. | | |
| Elective/UNIV 1101 or UNIV 1131 (3 hours) ELECTIVE MAY BE TAKEN IN PLACE OF UNIV-BU 1101 | | 3 |
| **Professional Courses- Business Core (39 hours)** | | |
| MANA 1301 | BUSINESS IN A GLOBAL ENVIRONMENT | 3 |
| ACCT 2301 | PRINCIPLES OF ACCOUNTING I | 3 |
| ACCT 2302 | PRINCIPLES OF ACCOUNTING II | 3 |
| BSTAT 2305 | INTRODUCTORY STATISTICS FOR BUSINESS ANALYTICS | 3 |
| ECON 2305 satisfies the Social & Behavioral Science | | |
| ECON 2306 satisfies the Foundational Component | | |
| INSY 2303 | INTRODUCTION TO M.I.S. AND DATA PROCESSING | 3 |
| BCOM 3360 | EFFECTIVE BUSINESS COMMUNICATION | 3 |
| BLAW 3310 | LEGAL AND ETHICAL ENVIRONMENT OF BUSINESS | 3 |
| BSTAT 3321 | INTERMEDIATE STATISTICS FOR BUSINESS ANALYTICS (Must earn a B or better) | 3 |
| FINA 3313 | BUSINESS FINANCE | 3 |
| MANA 3318 | MANAGING ORGANIZATIONAL BEHAVIOR | 3 |

| | | |
|---|---|---|
| MANA 4322 | STRATEGIC MANAGEMENT | 3 |
| OPMA 3306 | OPERATIONS MANAGEMENT | 3 |
| MARK 3321 | PRINCIPLES OF MARKETING | 3 |
| **Professional Courses- Advanced Business Analytics (15 hours)** | | |
| BANA 3308 | INTRODUCTION TO BUSINESS ANALYTICS | 3 |
| BANA 3309 | DATA VISUALIZATION AND BUSINESS INTELLIGENCE | 3 |
| BANA 4308 | ADVANCED DATA SCIENCE | 3 |
| BANA 4311 | ETHICAL AND SOCIAL ISSUES IN DATA SCIENCE | 3 |
| BANA 4326 | CAPSTONE IN BUSINESS ANALYTICS | 3 |
| **Advanced Business Courses and Electives (18 hours)** | | |
| BSTAT 3322 | ADVANCED STATISTICS FOR BUSINESS ANALYTICS | 3 |
| INSY 3300 | INTRODUCTION TO PROGRAMMING (Must earn a B or better) | 3 |
| INSY 4325 | ENTERPRISE SYSTEMS MANAGEMENT | 3 |
| INSY 4331 | SEMINAR IN INFORMATION SYSTEMS | 3 |
| Advanced business, economics, information systems, management, marketing, operations and supply chain management, or real estate. No BANA will apply. | | 6 |
| **Advanced Business Elective or Non-Business Elective (3 hours)** | | **3** |
| **Total Hours** | | **120** |

## Suggested Course Sequence

**First Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| ENGL 1301 | 3 | ENGL 1302 | 3 |
| MATH 1315 | 3 | MATH 1316 | 3 |
| HIST 1301 | 3 | HIST 1302 | 3 |
| ECON 2305 | 3 | ECON 2306 | 3 |
| MANA 1301 | 3 | Creative Arts | 3 |
| UNIV 1131[Freshmen Only] | 1 | | |
| | **16** | | **15** |

**Second Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| ACCT 2301 | 3 | ACCT 2302 | 3 |
| INSY 2303 | 3 | BSTAT 2305 | 3 |
| POLS 2311 | 3 | POLS 2312 | 3 |
| Life & Physical Science | 3 | Life & Physical Science | 3 |
| Language, Philosophy, Culture | 3 | Elective[(2 Hours for Freshmen/3 Hours for Transfers)] | 2 |
| | **15** | | **14** |

**Third Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| INSY 3300 (Must earn a B or better) | 3 | BANA 3308 | 3 |
| BSTAT 3321 (Must earn a B or better) | 3 | BANA 3309 | 3 |
| BLAW 3310 | 3 | BSTAT 3322 | 3 |
| FINA 3313 | 3 | BCOM 3360 | 3 |
| MANA 3318 | 3 | MARK 3321 | 3 |
| | **15** | | **15** |

**Fourth Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| BANA 4308 | 3 | INSY 4325 | 3 |
| BANA 4311 | 3 | BANA 4326 | 3 |
| INSY 4331 | 3 | MANA 4322 | 3 |
| Advanced Business Elective | 3 | OPMA 3306 | 3 |
| Advanced Business Elective | 3 | Advanced Business or Non-Business Elective | 3 |
| | **15** | | **15** |

**Total Hours: 120**

# Requirements for a Bachelor of Business Administration in Information Systems

The student concentrating in information systems is encouraged to take a computer science course as an outside elective. Required information systems electives and advanced business electives should be selected with the advice of an academic advisor.

Students must meet all lower division requirements before enrolling for upper division courses. Specified prerequisites are designated for certain courses.

| Pre-Professional Course Requirements - Fulfill the University General Core Requirements (42 hours and 3 elective hours) | | |
|---|---|---|
| General Core Requirements (http://catalog.uta.edu/academicregulations/degreerequirements/generalcorerequirements/) | | 42 |
| Communication (minimum 6 hours required) | | 6 |
| ENGL 1301 | RHETORIC AND COMPOSITION I | |
| ENGL 1302 | RHETORIC AND COMPOSITION II | |
| Mathematics (minimum 6 hours required) | | 6 |
| MATH 1315 | COLLEGE ALGEBRA FOR ECONOMICS & BUSINESS ANALYSIS | |
| MATH 1316 | MATHEMATICS FOR ECONOMICS AND BUSINESS ANALYSIS | |
| Life and Physical Sciences (minimum 6 hours required) | | 6 |
| From Approved University General Core Requirement List | | |
| Language, Philosophy & Culture (minimum 3 hours required) | | 3 |
| From Approved University General Core Requirement List | | |
| Creative Arts (minimum 3 hours required) | | 3 |
| From Approved University General Core Requirement List | | |
| US History (minimum 6 hours required) | | 6 |
| HIST 1301 | HISTORY OF THE UNITED STATES TO 1865 | |
| HIST 1302 | HISTORY OF THE UNITED STATES, 1865 TO PRESENT | |
| Government/Political Science (minimum 6 hours required) | | 6 |
| POLS 2311 | GOVERNMENT OF THE UNITED STATES | |
| POLS 2312 | STATE AND LOCAL GOVERNMENT | |
| Social & Behavioral Sciences (minimum 3 hours required) | | 3 |
| Satisfied by completion of ECON 2305 in the Business Core. | | |
| Foundational Component Area (minimum 3 hours required) | | 3 |
| Satisfied by completion of ECON 2306 in the Business Core. | | |
| Elective/UNIV 1101 or UNIV 1131 (3 hours) ELECTIVE MAY BE TAKEN IN PLACE OF UNIV-BU 1101 | | 3 |
| **Professional Course Requirements - Business Core (39 hours)** | | |
| MANA 1301 | BUSINESS IN A GLOBAL ENVIRONMENT | 3 |
| ACCT 2301 | PRINCIPLES OF ACCOUNTING I | 3 |
| ACCT 2302 | PRINCIPLES OF ACCOUNTING II | 3 |
| BSTAT 2305 | INTRODUCTORY STATISTICS FOR BUSINESS ANALYTICS | 3 |
| ECON 2305 satisfies the Social & Behavioral Science | | |
| ECON 2306 satisfies the Foundational Component | | |
| INSY 2303 | INTRODUCTION TO M.I.S. AND DATA PROCESSING | 3 |
| BCOM 3360 | EFFECTIVE BUSINESS COMMUNICATION | 3 |
| BLAW 3310 | LEGAL AND ETHICAL ENVIRONMENT OF BUSINESS | 3 |
| BSTAT 3321 | INTERMEDIATE STATISTICS FOR BUSINESS ANALYTICS | 3 |
| FINA 3313 | BUSINESS FINANCE | 3 |
| MANA 3318 | MANAGING ORGANIZATIONAL BEHAVIOR | 3 |
| MANA 4322 | STRATEGIC MANAGEMENT | 3 |
| MARK 3321 | PRINCIPLES OF MARKETING | 3 |
| OPMA 3306 | OPERATIONS MANAGEMENT | 3 |
| **Professional Course Requirements - Advanced Information Systems (18 hours)** | | |
| INSY 3300 | INTRODUCTION TO PROGRAMMING | 3 |
| INSY 3303 | COMPUTER NETWORKS AND DISTRIBUTED COMPUTING | 3 |
| INSY 3304 | DATABASE MANAGEMENT SYSTEMS | 3 |
| INSY 3305 | INFORMATION SYSTEMS ANALYSIS AND DESIGN | 3 |

| | |
|---|---|
| Advanced Information Systems Elective (INSY 33xx or 43xx, INSY 3323 will not apply) | 6 |
| **Advanced Business Electives (15 hours)** | |
| Advanced accounting, business, economics, finance, management, marketing, operations and supply chain management, or real estate. No INSY will apply. | 15 |
| **Advanced Business Elective or Non-Business Elective (3 hours)** | **3** |
| **Total Hours** | **120** |

## Double Major

A Double Major option for the Bachelor of Business Administration (BBA) in Information Systems is available. Information Systems undergraduates who pursue the following Double Major program will not have the option of participating in the Fast Track Program in Business.

Completion of the Double Major is attained by including all of the following courses in the BBA Information Systems plan and completing with grades of C or better in each of the double major courses listed below:

## BBA IN INFORMATION SYSTEMS AND ACCOUNTING

| | |
|---|---|
| ACCT 3303 | INTRODUCTION TO ACCOUNTING INFORMATION SYSTEMS |
| ACCT 3311 | FINANCIAL ACCOUNTING I |
| ACCT 3312 | FINANCIAL ACCOUNTING II |
| ACCT 3315 | PRINCIPLES OF FEDERAL INCOME TAX |
| ACCT 4302 | COST ANALYSIS AND DECISION MAKING |
| ACCT 4318 | AUDITING |
| ACCT 4304 | MANAGEMENT PLANNING AND CONTROL |
| or ACCT 4325 | GOVERNMENTAL ACCOUNTING |
| Advanced Economics Elective (ECON 33xx or 43xx) | |

## Suggested Course Sequence

**First Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| ENGL 1301 | 3 | ENGL 1302 | 3 |
| MATH 1315 | 3 | MATH 1316 | 3 |
| HIST 1301 | 3 | HIST 1302 | 3 |
| ECON 2305 | 3 | ECON 2306 | 3 |
| MANA 1301 | 3 | Creative Arts | 3 |
| UNIV-BU 1131 Freshmen Only | 1 | | |
| | **16** | | **15** |

**Second Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| ACCT 2301 | 3 | ACCT 2302 | 3 |
| INSY 2303 | 3 | BSTAT 2305 | 3 |
| POLS 2311 | 3 | POLS 2312 | 3 |
| Life & Physical Science | 3 | Life & Physical Science | 3 |
| Language, Philosophy & Culture | 3 | Elective (2 Hours for Freshmen/3 Hours for Transfers) | 2 |
| | **15** | | **14** |

**Third Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| INSY 3300 | 3 | INSY 3304 | 3 |
| INSY 3303 | 3 | INSY 4305 (Adv. INSY Elective) | 3 |
| BLAW 3310 | 3 | BCOM 3360 | 3 |
| FINA 3313 | 3 | MARK 3321 | 3 |
| MANA 3318 | 3 | Advanced Business Elective | 3 |
| | **15** | | **15** |

**Fourth Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| INSY 3305 | 3 | Advanced INSY Elective | 3 |
| BSTAT 3321 | 3 | MANA 4322 | 3 |
| Advanced Business Elective | 3 | OPMA 3306 | 3 |
| Advanced Business Elective | 3 | Advanced Business Elective | 3 |

| | | | |
|---|---|---|---|
| Advanced Business Elective | | 3 Advanced Business or Non-Business Elective | 3 |
| | | **15** | **15** |

**Total Hours: 120**

# Requirements for a Bachelor of Science in Information Systems

The student studying information systems is encouraged to take a computer science course as an outside elective. Required information systems electives and advanced business electives should be selected with the advice of an academic advisor.

Students must meet all lower division requirements before enrolling for upper division courses. Specified prerequisites are designated for certain courses.

| | | |
|---|---|---|
| **Pre-Professional Course Requirements - Fulfill the University General Core Requirements (42 hours and 3 elective hours)** | | |
| General Core Requirements (http://catalog.uta.edu/academicregulations/degreerequirements/generalcorerequirements/) | | 42 |
| Communication (minimum 6 hours) | | 6 |
| ENGL 1301 | RHETORIC AND COMPOSITION I | |
| ENGL 1302 | RHETORIC AND COMPOSITION II | |
| Mathematics (minimum 6 hours required) | | 6 |
| MATH 1315 | COLLEGE ALGEBRA FOR ECONOMICS & BUSINESS ANALYSIS | |
| MATH 1316 | MATHEMATICS FOR ECONOMICS AND BUSINESS ANALYSIS | |
| Life and Physical Sciences (minimum 6 hours required) | | 6 |
| From Approved University General Core Requirement List | | |
| Language, Philosophy & Culture (minimum 3 hours required) | | 3 |
| From Approved University General Core Requirement List | | |
| Creative Arts (minimum 3 hours required) | | 3 |
| From Approved University General Core Requirement List | | |
| US History (minimum 6 hours required) | | 6 |
| HIST 1301 | HISTORY OF THE UNITED STATES TO 1865 | |
| HIST 1302 | HISTORY OF THE UNITED STATES, 1865 TO PRESENT | |
| Government/Political Science (minimum 6 hours required) | | 6 |
| POLS 2311 | GOVERNMENT OF THE UNITED STATES | |
| POLS 2312 | STATE AND LOCAL GOVERNMENT | |
| Social & Behavioral Sciences (minimum 3 hours required) | | 3 |
| Satisfied by completion of ECON 2305 in the Business Core. | | |
| Foundational Component Area (minimum 3 hours required) | | 3 |
| Satisfied by completion of ECON 2306 in the Business Core. | | |
| Elective/UNIV 1101 or UNIV 1131 (3 hours required) ELECTIVE MAY BE TAKEN IN PLACE OF UNIV-BU 1101 | | 3 |
| **Professional Courses - Business Core (39 hours)** | | |
| MANA 1301 | BUSINESS IN A GLOBAL ENVIRONMENT | 3 |
| ACCT 2301 | PRINCIPLES OF ACCOUNTING I | 3 |
| ACCT 2302 | PRINCIPLES OF ACCOUNTING II | 3 |
| BSTAT 2305 | INTRODUCTORY STATISTICS FOR BUSINESS ANALYTICS | 3 |
| ECON 2305 satisfies the Social & Behavioral Science | | |
| ECON 2306 satisfies the Foundational Component | | |
| INSY 2303 | INTRODUCTION TO M.I.S. AND DATA PROCESSING | 3 |
| BCOM 3360 | EFFECTIVE BUSINESS COMMUNICATION | 3 |
| BLAW 3310 | LEGAL AND ETHICAL ENVIRONMENT OF BUSINESS | 3 |
| BSTAT 3321 | INTERMEDIATE STATISTICS FOR BUSINESS ANALYTICS | 3 |
| FINA 3313 | BUSINESS FINANCE | 3 |
| MANA 3318 | MANAGING ORGANIZATIONAL BEHAVIOR | 3 |
| MANA 4322 | STRATEGIC MANAGEMENT | 3 |
| MARK 3321 | PRINCIPLES OF MARKETING | 3 |
| OPMA 3306 | OPERATIONS MANAGEMENT | 3 |
| **Professional Courses - Advanced Information Systems (27 hours)** | | |

| | | |
|---|---|---|
| INSY 3300 | INTRODUCTION TO PROGRAMMING | 3 |
| INSY 3303 | COMPUTER NETWORKS AND DISTRIBUTED COMPUTING | 3 |
| INSY 3304 | DATABASE MANAGEMENT SYSTEMS | 3 |
| INSY 3305 | INFORMATION SYSTEMS ANALYSIS AND DESIGN | 3 |
| INSY 4305 | ADVANCED APPLICATION DEVELOPMENT | 3 |
| INSY 4306 | ADVANCED SYSTEMS DEVELOPMENT | 3 |
| INSY 4325 | ENTERPRISE SYSTEMS MANAGEMENT | 3 |
| Advanced Information Systems Electives (INSY 33xx or 43xx, INSY 3323 will not apply) | | 6 |
| **Advanced Business Electives (6 hours)** | | |
| Advanced accounting, business, economics, finance, management, marketing, operations and supply chain management, or real estate. No INSY will apply. | | 6 |
| **Advanced Business Elective or Non-Business Elective (3 hours)** | | **3** |
| **Total Hours** | | **120** |

## Suggested Course Sequence

**First Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| ENGL 1301 | 3 | ENGL 1302 | 3 |
| MATH 1315 | 3 | MATH 1316 | 3 |
| HIST 1301 | 3 | HIST 1302 | 3 |
| ECON 2305 | 3 | ECON 2306 | 3 |
| MANA 1301 | 3 | Creative Arts | 3 |
| UNIV-BU 1131[Freshmen Only] | 1 | | |
| | **16** | | **15** |

**Second Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| ACCT 2301 | 3 | ACCT 2302 | 3 |
| INSY 2303 | 3 | BSTAT 2305 | 3 |
| POLS 2311 | 3 | POLS 2312 | 3 |
| Life & Physical Science | 3 | Life & Physical Science | 3 |
| Language, Philosophy & Culture | 3 | Elective[(2 Hours for Freshman/3 Hours for Transfer)] | 2 |
| | **15** | | **14** |

**Third Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| INSY 3300 | 3 | INSY 3304 | 3 |
| INSY 3303 | 3 | INSY 4305 | 3 |
| BLAW 3310 | 3 | BCOM 3360 | 3 |
| FINA 3313 | 3 | MARK 3321 | 3 |
| MANA 3318 | 3 | Advanced Business Elective | 3 |
| | **15** | | **15** |

**Fourth Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| INSY 3305 | 3 | INSY 4306 | 3 |
| BSTAT 3321 | 3 | INSY 4325 | 3 |
| Advanced INSY Elective | 3 | MANA 4322 | 3 |
| Advanced INSY Elective | 3 | OPMA 3306 | 3 |
| Advanced Business Elective | 3 | Advanced Business or Non-Business Elective | 3 |
| | **15** | | **15** |

**Total Hours: 120**

# Requirements for a Bachelor of Business Administration in Operations and Supply Chain Management

Students must meet all lower division requirements before enrolling for upper division courses. Specified prerequisites are designated for certain courses.

| Pre-Professional Course Requirements - Fulfill the University General Core Requirements (42 hours and 3 elective hours) | | |
|---|---|---|
| General Core Requirements (http://catalog.uta.edu/academicregulations/degreerequirements/generalcorerequirements/) | | 42 |
| Communication (minimum 6 hours required) | | 6 |
| ENGL 1301 | RHETORIC AND COMPOSITION I | |
| ENGL 1302 | RHETORIC AND COMPOSITION II | |
| Mathematics (minimum 6 hours required) | | 6 |
| MATH 1315 | COLLEGE ALGEBRA FOR ECONOMICS & BUSINESS ANALYSIS | |
| MATH 1316 | MATHEMATICS FOR ECONOMICS AND BUSINESS ANALYSIS | |
| Life and Physical Sciences (minimum 6 hours required) | | 6 |
| From Approved University General Core Requirement List | | |
| Language, Philosophy & Culture (minimum 3 hours required) | | 3 |
| From Approved University General Core Requirement List | | |
| Creative Arts (minimum 3 hours required) | | 3 |
| From Approved University General Core Requirement List | | |
| US History (minimum 6 hours required) | | 6 |
| HIST 1301 | HISTORY OF THE UNITED STATES TO 1865 | |
| HIST 1302 | HISTORY OF THE UNITED STATES, 1865 TO PRESENT | |
| Government/Political Science (minimum 6 hours required) | | 6 |
| POLS 2311 | GOVERNMENT OF THE UNITED STATES | |
| POLS 2312 | STATE AND LOCAL GOVERNMENT | |
| Social & Behavioral Sciences (minimum 3 hours required) | | 3 |
| Satisfied by completion of ECON 2305 in the Business Core. | | |
| Foundational Component Area (minimum 3 hours required) | | 3 |
| Satisfied by completion of ECON 2306 in the Business Core. | | |
| Elective/UNIV 1101 or UNIV 1131 (3 hours) ELECTIVE MAY BE TAKEN IN PLACE OF UNIV-BU 1101 | | 3 |
| **Professional Course Requirements - Business Core (39 hours)** | | |
| MANA 1301 | BUSINESS IN A GLOBAL ENVIRONMENT | 3 |
| ACCT 2301 | PRINCIPLES OF ACCOUNTING I | 3 |
| ACCT 2302 | PRINCIPLES OF ACCOUNTING II | 3 |
| BSTAT 2305 | INTRODUCTORY STATISTICS FOR BUSINESS ANALYTICS | 3 |
| ECON 2305 satisfies the Social & Behavioral Science | | |
| ECON 2306 satisfies the Foundational Component | | |
| INSY 2303 | INTRODUCTION TO M.I.S. AND DATA PROCESSING | 3 |
| BCOM 3360 | EFFECTIVE BUSINESS COMMUNICATION | 3 |
| BLAW 3310 | LEGAL AND ETHICAL ENVIRONMENT OF BUSINESS | 3 |
| BSTAT 3321 | INTERMEDIATE STATISTICS FOR BUSINESS ANALYTICS | 3 |
| FINA 3313 | BUSINESS FINANCE | 3 |
| MANA 3318 | MANAGING ORGANIZATIONAL BEHAVIOR | 3 |
| MANA 4322 | STRATEGIC MANAGEMENT | 3 |
| MARK 3321 | PRINCIPLES OF MARKETING | 3 |
| OPMA 3306 | OPERATIONS MANAGEMENT | 3 |
| **Professional Course Requirements - Advanced Operations and Supply Chain Management (15 - 18 hours)** | | |
| OPMA 4302 | SUPPLY CHAIN LOGISTICS | 3 |
| OPMA 4303 | INTRODUCTION TO MANAGEMENT SCIENCES | 3 |
| OPMA 4312 | PURCHASING MANAGEMENT | 3 |
| OPMA 4309 | GLOBAL SUPPLY CHAIN MANAGEMENT | 3 |
| Advanced Operations and Supply Chain Management Electives (OPMA 33xx or 43xx) | | 3 |
| **Advanced Business Courses and Electives (18 hours)** | | |
| Advanced Accounting Elective (ACCT 33xx or 43xx) | | 3 |
| Advanced accounting, business, economics, finance, information systems, management, marketing, or real estate. No OPMA will apply. | | 9 |
| Advanced Operations Supply Chain Management or Advanced Business Elective (33xx-44xx) | | 3 |
| BSTAT 3322 | ADVANCED STATISTICS FOR BUSINESS ANALYTICS | 3 |

| | |
|---|---|
| **Advanced Business Elective or Non-Business Elective. No OPMA (3 hours)** | **3** |
| **Total Hours** | **120** |

## Recommended Business Electives for Operations and Supply Chain Management Majors

| | |
|---|---|
| ACCT 3309 | ACCOUNTING FOR MANAGERS |
| or ACCT 4302 | COST ANALYSIS AND DECISION MAKING |
| ACCT 4304 | MANAGEMENT PLANNING AND CONTROL |
| ECON 3310 | MICROECONOMICS |
| FINA 4320 | CAPITAL BUDGETING |
| MANA 3320 | HUMAN RESOURCE MANAGEMENT |
| MANA 4320 | EMPLOYMENT LAW |
| MARK 4303 | RETAIL MARKETING |

## Suggested Course Sequence

**First Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| ENGL 1301 | 3 | ENGL 1302 | 3 |
| MATH 1315 | 3 | MATH 1316 | 3 |
| HIST 1301 | 3 | HIST 1302 | 3 |
| ECON 2305 | 3 | ECON 2306 | 3 |
| MANA 1301 | 3 | Creative Arts | 3 |
| UNIV-BU 1131 [Freshmen Only] | 1 | | |
| | **16** | | **15** |

**Second Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| ACCT 2301 | 3 | ACCT 2302 | 3 |
| INSY 2303 | 3 | BSTAT 2305 | 3 |
| POLS 2311 | 3 | POLS 2312 | 3 |
| Life & Physical Science | 3 | Life & Physical Science | 3 |
| Language, Philosophy & Culture | 3 | Elective [(2 Hours for Freshmen/3 Hours for Transfer)] | 2 |
| | **15** | | **14** |

**Third Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| OPMA 3306 | 3 | OPMA 4302 | 3 |
| BSTAT 3321 | 3 | OPMA 4303 | 3 |
| MANA 3318 | 3 | FINA 3313 | 3 |
| Advanced Accounting Elective | 3 | MARK 3321 | 3 |
| Advanced Business Elective | 3 | Advanced Business Elective | 3 |
| | **15** | | **15** |

**Fourth Year**

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| OPMA 4309 | 3 | BSTAT 3322 | 3 |
| OPMA 4312 | 3 | MANA 4322 | 3 |
| BLAW 3310 | 3 | Advanced Operations Management Elective | 3 |
| BCOM 3360 | 3 | Advanced Operations Management or Advanced Business Elective | 3 |
| Advanced Business Elective | 3 | Advanced Business or Non-Business Elective | 3 |
| | **15** | | **15** |

**Total Hours: 120**

# Minors

The College of Business:

- Requires half of the course work for a minor in business be completed in residence at UT Arlington. For an 18-hour minor requirement, this would require a minimum of 9 hours of business course work at UT Arlington.

- Requires a grade of C or better in all minor requirement courses, unless a different grade is designated below.
- Will not use vocational and technical courses (including WECM courses) toward any business minor.

## Business Analytics

| | | |
|---|---|---|
| BSTAT 3321 | INTERMEDIATE STATISTICS FOR BUSINESS ANALYTICS [1,2] | 3 |
| INSY 3300 | INTRODUCTION TO PROGRAMMING [1, 2] | 3 |
| BANA 3308 | INTRODUCTION TO BUSINESS ANALYTICS [1] | 3 |
| BANA 3309 | DATA VISUALIZATION AND BUSINESS INTELLIGENCE [1] | 3 |
| BANA 4308 | ADVANCED DATA SCIENCE [1] | 3 |
| BANA 4311 | ETHICAL AND SOCIAL ISSUES IN DATA SCIENCE [1] | 3 |
| **Total Hours** | | **18** |

## Information Systems

| | | |
|---|---|---|
| INSY 2303 | INTRODUCTION TO M.I.S. AND DATA PROCESSING | 3 |
| INSY 3300 | INTRODUCTION TO PROGRAMMING [1] | 3 |
| INSY 3304 | DATABASE MANAGEMENT SYSTEMS [1] | 3 |
| INSY 3305 | INFORMATION SYSTEMS ANALYSIS AND DESIGN [1] | 3 |
| INSY 33xx or 43xx [1] | | 3 |
| INSY 33xx or 43xx [1] | | 3 |
| **Total Hours** | | **18** |

[1]   *Mandatory Prerequisites: Prerequisites MUST be met before enrollment in the course. A student should consider this when selecting courses to satisfy the minor requirement and when registering. For a complete list of prerequisites see the Undergraduate Catalog or the Business Undergraduate Advising Office.*

[2]   *Must earn a B or better in BSTAT 3321 (or equivalent) and INSY 3300.*

For additional information or questions about the undergraduate certificate, please contact the College of Business Undergraduate Advising Office at 817-272-3368 or ugadvise@uta.edu.

# Certificate in Business Analytics

### Overview

The undergraduate Certificate in Business Analytics is designed to introduce data science and analytics knowledge and skills to College of Business majors.  The certificate requires a total of twelve semester credit hours of course work, which can be completed in conjunction with an existing COB undergraduate degree.

### Admission Requirements

Undergraduate students in good standing in the College of Business with a B in both BSTAT 3321 and INSY 3300.

### Undergraduate Certificate Requirements

To receive the certificate, all courses must be completed at UT Arlington with at least a grade of C in each.

| | | |
|---|---|---|
| INSY 3300 | INTRODUCTION TO PROGRAMMING [1] | 3 |
| BANA 3308 | INTRODUCTION TO BUSINESS ANALYTICS | 3 |
| BANA 3309 | DATA VISUALIZATION AND BUSINESS INTELLIGENCE | 3 |
| BANA 4311 | ETHICAL AND SOCIAL ISSUES IN DATA SCIENCE | 3 |
| **Total Hours** | | **12** |

[1]   Must earn a B in INSY 3300.

For additional information or questions about the undergraduate certificate, please contact the College of Business Undergraduate Advising Office at 817-272-3368 or ugadvise@uta.edu.