Bachelor of Science in Information Systems

About This Program

The Bachelor of Science in Information Systems is a recognized STEM program emphasizing the development and management of information technologies to improve business processes and support business strategies.

Competencies

1. Upon completion, students will be able to gather requirements for business applications and develop application software.
2. Upon completion, students will be able to design and implement databases to manage business data.
3. Upon completion, students will be able design and deploy computer networks to support business data communication.
4. Upon completion, students will demonstrate critical thinking and communication skills.
5. Upon completion, students will understand core business concepts in various functional areas and apply these concepts to develop, deploy, and manage information systems that effectively address strategic business challenges.

Curriculum

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

Foundations		
General Core Requirements (https://catalog.uta.edu/academicregulations/degreerequirements/generalcorerequirements/)		42
Students are required to complete specific courses in certain core areas.		
For Communication select:		
ENGL 1301	RHETORIC AND COMPOSITION I	
ENGL 1302	RHETORIC AND COMPOSITION II	
For Mathematics select:		
MATH 1315	COLLEGE ALGEBRA FOR ECONOMICS & BUSINESS ANALYSIS	
MATH 1316	MATHEMATICS FOR ECONOMICS AND BUSINESS ANALYSIS	
For U.S. History select:		
HIST 1301	HISTORY OF THE UNITED STATES TO 1865	
HIST 1302	HISTORY OF THE UNITED STATES, 1865 TO PRESENT	
For Social & Behavioral Sciences select:		
ECON 2305	PRINCIPLES OF MACROECONOMICS	
For Component Area Option select:		
ECON 2306	PRINCIPLES OF MICROECONOMICS	
Business Foundations		
Additional hours required in general education core.		2
UNIV 1101	CAREER PREPARATION AND STUDENT SUCCESS	1
or UNIV 1131	STUDENT SUCCESS	
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
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
MARK 3321	PRINCIPLES OF MARKETING	3
OPMA 3306	OPERATIONS MANAGEMENT	3
MANA 4322	STRATEGIC MANAGEMENT	3
Information Systems Specialization		

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	CAPSTONE IN INFORMATION SYSTEMS	3
Select two Information Systems courses numbered 3000 or higher.		6
Advanced Electives		
Select two non-Information Systems courses numbered 3000 or higher.		6
Select one Business or non-Business course numbered 3000 or higher. [1]		3
Total Hours		**120**

[1] 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.

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

Advising Resources

Freshmen students will meet with advisors in the University Advising Center for at least one semester before transitioning to the College of Business.

Location:

College of Business, Suite 107

Email:

ugadvise@uta.edu

Phone:

817-272-3368

Web:

College of Business Undergraduate Advising (https://www.uta.edu/academics/schools-colleges/business/undergraduate-advising/)