B.S.B.A. IN BUSINESS TECHNOLOGY

Overview

Major Area of Specialization in Business Technology (STEM)

The business technology major provides students with the key digital technology and management skills needed in today's increasingly digitalized business environment. It also offers a firm grounding in the primary business areas in which these skills will be applied.

Curriculum Requirements

In addition to satisfying the University General Education Requirements and Electives, students pursuing the BSBA in Business Technology must complete the BSBA Business Core and the specific coursework for the Business Technology major area of specialization as follows:

Code	Title	Credit Hours
General Education Requirements [1,2]		
Written Communication Skills:		
WRS 105	First-Year Writing I	3
WRS 106	First-Year Writing II [3]	3
or ENG 106	Writing About Literature and Culture	
Quantitative Skills:		
MTH 161	Calculus I (fulfilled through the BSBA business core)	
Areas of Knowledge:		
Arts and Humanities Cognate		9
People and Society Cognate		9
STEM Cognate (9 credits) (fulfilled through the major)		
Additional Requirements		
UMX 100	The University of Miami Experience	0
Electives		**15**
BSBA Business Core Requirements [1]		
ACC 211	Principles of Financial Accounting	3
or ACC 221	Accelerated Principles of Financial Accounting	
ACC 212	Managerial Accounting	3
or ACC 222	Accelerated Managerial Accounting	
BSL 212	Introduction to Business Law and Ethics	3
BTE 210	Fundamentals of Business Technology and Innovation	3
BTE 320	Python Programming: Fundamentals and Algorithms	3
BUS 150	Business Analytics	3
BUS 300	Critical Thinking and Persuasion for Business [3]	3
ECO 211	Principles of Microeconomics	3
ECO 212	Principles of Macroeconomics	3
FIN 302	Fundamentals of Finance	3
MAS 311	Applied Probability and Statistics (minimum grade of C- required)	3
MAS 312	Statistical Methods and Quality Control	3
MTH 161	Calculus I (minimum grade of C- required; fulfills Quantitative Skills Requirement)	4
MTH 162	Calculus II	4
MGT 100	Managing for Success in the Global Environment	3
MGT 199	Professional Development and Success in the Workplace (or other approved Miami Herbert Business School career course)	1
or BUS 211	Professional Development for Finance and Accounting	
MGT 303	Operations Management	3
MGT 304	Organizational Behavior	3
MGT 401	Strategic Management (taken in the final semester)	3
MKT 201	Foundations of Marketing	3

or MKT 301	Marketing Foundations	
Quantitative Choice - Select one of these suggested courses approved by the Vice Dean for Undergraduate Business Education - check pre-requisites:		3
BTE 324	Object-Oriented Programming (may not double count as both the Quantitative Choice and major requirement unless Business Technology is an additional Business major)	
BTE 423	Database Management Systems (may not double count as both the Quantitative Choice and major requirement unless Business Technology is an additional Business major)	
ECO 430	Applied Econometrics	
ECO 510	Mathematical Economics and Applications	
MAS 342	Introduction to Optimization and Decision Making	
MAS 442	Stochastic Models in Operations Research	
MAS 547	Computer Simulation Systems	
MGT 445	Supply Chain Modeling and Analysis	
MGT 446	Supply Chain Strategy	
Major Area of Specialization in Business Technology [4]		
BTE 320	Python Programming: Fundamentals and Algorithms (taken as part of the Business Core)	
BTE 324	Object-Oriented Programming	3
BTE 400	Web-Mobile-Cloud	3
BTE 417	Fundamentals of Tech Project Management	3
BTE 423	Database Management Systems	3
Major Choice Courses - Select two courses (6 credit hours) from the following:		6
BTE 360	Systems Analysis and Design	
BTE 371	Practical AI for Business	
BTE 389	Launching HighTechnology Ventures	
BTE 401	Computers in an Inter-Networked Society	
BTE 412	Foundations of Business Enterprise Technologies	
BTE 413	Introduction to Machine Learning in Business Technology	
BTE 414	Machine Learning Applications in Business Technology	
BTE 420	Python Programming for Fintech	
BTE 422	Tech Foundations of Fintech	
BTE 430	Business Networks	
BTE 450	Introduction to Health Informatics	
BTE 465	Web Application Development	
BTE 471	AI Programming for Business Management	
BTE 496	Directed Studies in Business Technology	
BTE 497	Directed Studies in Business Technology	
BTE 498	Special Topics in Business Technology	
BTE 499	Special Topics in Business Technology	
BTE 524	Mobile Apps Development	
BTE 535	Cybersecurity	
BTE 550	Business Technology Internship	
BTE 565	Mobile to Cloud: Developing Distributed Applications	
Total Credit Hours		**120**

[1]   **NOTE**: WRS 105 and WRS 106 or ENG 106, or their equivalents, must be completed prior to attaining junior year classification, per the University General Education Requirements. Additionally, all 100 and 200-level Business Core courses must be completed by the end of the fifth semester of college work or during the semester in which the student is completing 75 credit hours.

[2]   At least one course with an international focus must be completed within the degree requirements. The appropriateness of the course is determined by the Vice Dean for Undergraduate Business Education.

3   Students who do not earn at least a C- in WRS 106 or ENG 106 must either repeat WRS 106 or ENG 106 and earn at least a C- or complete WRS 230 with at least a C- before enrolling in BUS 300.

4   All specific coursework for the major area of specialization in Business Technology must be completed with a grade of "C-" or higher. In addition, a minimum cumulative GPA of 2.5 is required for all specific coursework taken in the major area of specialization.
All courses must be completed within the current pre-requisite structure. Each course may satisfy a requirement in only one major or minor area of specialization (i.e., no double counting).

Sample Plan of Study

This Sample Plan of Study represents one possible version of a new freshman business student's 8-semester plan. The individual student's plan may vary depending upon the initial placement into English Composition and mathematics. Moreover, numerous plan variations are possible if a student enters the University with advanced college credits, wishes to participate in study abroad, chooses a special program option, or selects additional majors or minors.

Note that each major/minor at the University of Miami satisfies a particular "Area of Knowledge" within the general education requirements of the University. This means that it is possible to pursue two majors, or a major and a minor, within Miami Herbert Business School and fulfill both the STEM and People and Society Areas of Knowledge; a separate cognate in these areas would not be required. The only remaining general education Area of Knowledge is Arts and Humanities, which must be completed through a major, minor, or cognate outside of the Business School.

Students construct their individualized plans in collaboration with their assigned academic advisor.

Freshman Year		
Fall		**Credit Hours**
ECO 211	Principles of Microeconomics	3
MGT 100	Managing for Success in the Global Environment	3
MKT 201	Foundations of Marketing	3
MTH 161	Calculus I	4
WRS 105	First-Year Writing I	3
UMX 100	The University of Miami Experience	0
	Credit Hours	**16**
Spring		
BUS 150	Business Analytics	3
ECO 212	Principles of Macroeconomics	3
MTH 162	Calculus II	4
WRS 106 or ENG 106	First-Year Writing II or Writing About Literature and Culture	3
Arts and Humanities Cognate Course		3
	Credit Hours	**16**
Sophomore Year		
Fall		
ACC 211	Principles of Financial Accounting	3
BSL 212	Introduction to Business Law and Ethics	3
BTE 210	Fundamentals of Business Technology and Innovation	3
MAS 311	Applied Probability and Statistics	3
Arts and Humanities Cognate Course		3
	Credit Hours	**15**
Spring		
ACC 212	Managerial Accounting	3
BTE 417	Fundamentals of Tech Project Management	3
BUS 300	Critical Thinking and Persuasion for Business	3
FIN 302	Fundamentals of Finance	3
MAS 312	Statistical Methods and Quality Control	3
MGT 199	Professional Development and Success in the Workplace	1
	Credit Hours	**16**

Junior Year		
Fall		
BTE 320	Python Programming: Fundamentals and Algorithms	3
MGT 304	Organizational Behavior	3
Arts and Humanities Cognate Course		3
People and Society Cognate Course		3
Elective		3
	Credit Hours	**15**
Spring		
BTE 324	Object-Oriented Programming	3
MGT 303	Operations Management	3
Business Technology Major Choice		3
People and Society Cognate Course		3
Elective		3
	Credit Hours	**15**
Senior Year		
Fall		
BTE 400	Web-Mobile-Cloud	3
BTE 423	Database Management Systems	3
People and Society Cognate Course		3
Elective		3
Elective		3
	Credit Hours	**15**
Spring		
MGT 401	Strategic Management	3
Business Technology Major Choice		3
Quantitative Choice Course		3
Elective		3
	Credit Hours	**12**
	Total Credit Hours	**120**

Mission

- To develop innovative ideas and principled leaders that transform global business and society.

Goals

The Business Technology major is designed to provide the student with the key information technology and management skills needed in today's business environment, plus a firm grounding in the primary business areas in which these skills will be applied. Graduates of the program may qualify for entry-level positions as systems and/or information analysts, information security specialists, consultants, user support analysts, programmers, or other information management positions.

Student Learning Outcomes

- BBA/BSBA graduates will be critical thinkers, able to select and apply appropriate models, tools, and techniques, and frameworks to enable them to render analytically sound business decisions.
- BBA/BSBA graduates will be able to identify, analyze and resolve ethical issues in business scenarios.
- BBA/BSBA graduates will demonstrate professional written communication skills.
- BSBA graduates will have strong technical skills.