

MASTER OF SCIENCE IN BUSINESS TECHNOLOGY (ONLINE)

Overview

The Master of Science in Business Technology at Miami Herbert Business School (MHBS) will provide students a formal and strong training in the technologies and methods used today in the development and execution of corporate digital strategies. The topics covered in the degree program will include Python programming; data base theory and practice, cloud computing, artificial intelligence, machine learning, blockchain and distributed systems.

Admission Requirements

The program will recruit and accept students with strong intellectual skills as the program consists of rigorous technical and data driven business courses. A bachelor's degree is required. The program will accept either GMAT (Range: >315 or GRE >650. International students will be required to take the TOEFL. These tests could be waived with permission of the academic director only with significant relevant experience (for example, for a student with experience as Chief Information Officer, Systems Architect, or Chief Security Officer, a prior Masters or terminal degree, Double Cane).

Curriculum Requirements

Code	Title	Credit Hours
Required Courses		
BTE 601	Python Programming	2
BTE 609	Artificial Intelligence for Business	1
BTE 611	Blockchain and the Internet of Value	2
BTE 612	Cloud Technologies	2
BTE 613	Business Intelligence Technologies	2
BTE 614	Launching a High Tech Venture	2
BTE 621	Management of Digital Transformation	3
BTE 622	High Performance Computing	2
BTE 623	Database Management Systems	2
BTE 635	Cybersecurity	2
BTE 646	Product Management in the Digital Age	2
BTE 661	Artificial Intelligence: Principles and Techniques	2
Electives		6
BTE 615	Enterprise Analytics	
BTE 620	Database Development for High Performance Computing	
BTE 625	Managing Smart Contracts	
BTE 650	Introduction to Health Informatics	
BTE 689	Topics in Business Technology	
BSL 693	Intellectual Property Law and Innovation	
MGT 604	Design Thinking	
MGT 605	Digital Global Strategy	
MGT 679	Entrepreneurial Mergers Acquisitions	
Capstone		
BTE 652	Business Technology Capstone (Business Technology Capstone)	2
Total Credit Hours		32

Sample Plan of Study

Year One		Credit Hours
First Semester		
TERM 1		
Session 1		
BTE 609	Artificial Intelligence for Business	2
BTE 621	Management of Digital Transformation	2
Session 2		
BTE 601	Python Programming	2

BTE 612	Cloud Technologies	2
Session 3		
BTE 623	Database Management Systems	2
BTE 635	Cybersecurity	2
Session 4		
BTE 622	High Performance Computing	2
BTE 646	Product Management in the Digital Age	2
TERM 2		
Session 1		
BTE 613	Business Intelligence Technologies	2
BTE 614	Launching a High Tech Venture	2
Session 2		
BTE 611	Blockchain and the Internet of Value	2
BTE 661	Artificial Intelligence: Principles and Techniques	2
Session 3 (choose 2)		4
BTE 620	Database Development for High Performance Computing	
BTE 625	Managing Smart Contracts	
BTE 650	Introduction to Health Informatics	
BTE 689	Topics in Business Technology	
MGT 604	Design Thinking	
MGT 605	Digital Global Strategy	
MGT 679	Entrepreneurial Mergers Acquisitions	
Session 4 (BTE 652 and choose one of the following electives)		4
BTE 652 Business Technology Capstone (Required)		
BTE 615	Enterprise Analytics	
BTE 625 Mastering Smart Contracts		
BTE 689	Topics in Business Technology	
BSL 693	Intellectual Property Law and Innovation	
MGT 604	Design Thinking	
MGT 605	Digital Global Strategy	
MGT 679	Entrepreneurial Mergers Acquisitions	
Credit Hours		32
Total Credit Hours		32

Mission

The Master of Science in Business Technology aims to address the high demand for a Master's degree in digital technology related business. • Provide a rigorous blend of technology and business focused graduate education to those pursuing a degree in business technology and information systems management. • Educate students in the underlying technologies upon which companies currently rely, new technologies, technology innovation, and understand the associated management issues surrounding the productive value generation through technology.

Student Learning Outcomes

1. Students will be able to use rigorous, data-driven methods to understand the business cases of technology in the enterprise.
2. Students will understand the use of technology in problem solving.
3. Students will demonstrate written and oral communication skills and critical thinking needed to succeed in business technology-related professions.