

Management Information Systems BBA

Overview

Offered by the the Department of Management Information Systems, the **Bachelor of Business Administration in Management Information Systems** (MIS) produces digital leaders who design, architect and manage API-driven products. These products apply APIs, cloud, cyber-security, agile, user experience, and analytics to achieve business outcomes.

MIS prepares students to

- Design software applications that meet requirements and are enjoyable to use employing state-of-the-art UX techniques;
- Build web-based, API-driven business applications using HTML, CSS, JavaScript, and Node.js as well as frameworks such as Express;
- Deploy APIs on a robust cloud infrastructure using Amazon Web Services;
- Secure applications and businesses against cyber-threats applying cryptography and vulnerability discovery techniques; and
- Analyze critical business data using data mining techniques and navigate relational and NoSQL data stores using MySQL and MongoDB.

The BBA in MIS is a **STEM program** that provides access to STEM scholarships, as well as MIS department scholarships.

Campus Location: Main

Program Code: BU-MIS-BBA

Professional Achievement Program

MIS majors benefit from an innovative patent-pending PRO - professional achievement program, where students

1. Earn required points for professional development activities and for applying learning to practice (e.g., internships, student leadership)
2. Receive recognition for professional achievement on leaderboards, badges, professional achievement wire, and e-portfolios. 'Cash-in' points at the MIS Points Store.
3. Showcase their educational and professional achievements at the IT Career Fair.

Careers and Placement

MIS majors get placed in the top firms in the region and nationally. Learn about careers in IS and participate in the IT Career Fair which provides exclusive one-stop placement and internship opportunities for MIS students. The Temple University-led ISJobIndex.com project provides national-level data on jobs in the IS field:

- Bachelor MIS students' average salary is \$75,517 nationally. Salaries for IS graduates are higher than typical business majors.
- 81% of IS graduates are satisfied with their job offer.

Source: IS Job Index, <https://isjobindex.com/>

Minors and Certificates

Management Information Systems Minor

A minor in MIS provides undergraduate students the ability to specify, select, utilize, and apply information technology (IT) to their major field of study. The minor provides the skills and terminology needed to become an expert user of IT in the business world. The minor positions students for jobs in business application areas, consulting positions, technical liaisons, and selling and acquisition of business software.

Requirements for the minor must be completed prior to graduation. Courses cannot be used to meet minor requirements if already used to meet the requirements for a major or a different minor.

Digital Marketing Minor

The Digital Marketing minor prepares students for careers related to customer relationship management, social media, information architecture, e-commerce, search engine optimization, e-detailing, site design, Internet research, demographic and sales analytics, blogging, and media design. This minor is appropriate for all business students and is particularly relevant for Marketing, Human Resource Management, Business Management, and Management Information Systems students.

Requirements for the minor must be completed prior to graduation. Courses cannot be used to meet minor requirements if already used to meet the requirements for a major or a different minor.

Management Information Systems Certificate

The Management Information Systems certificate prepares students to identify, select and evaluate innovative technology solutions for business.

Requirements for the certificate must be completed prior to graduation. Courses cannot be used to meet certificate requirements if already used to meet the requirements for a major or a different minor or certificate. Contact the Management Information Systems department to declare the Management Information Systems certificate.

Contact Information

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Learn more about the Bachelor of Business Administration in Management Information Systems.

These requirements are for students who matriculated in academic year 2023-2024. Students who matriculated prior to fall 2023 should refer to the Archives to view the requirements for their Bulletin year.

Summary of Requirements

University Requirements

All new students are required to complete the university's General Education (GenEd) curriculum.

Note that students not continuously enrolled who have not been approved for a Leave of Absence or study elsewhere must follow University requirements current at the time of re-enrollment.

College Requirements

Students must meet College Graduation Requirements for the Bachelor of Business Administration, including the requirements of the major listed below. Management Information Systems students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate.

Major Requirements

Students must follow the Major Requirements and College Requirements current at the time of declaration. Students not continuously enrolled who have not been approved for a Leave of Absence or study elsewhere must follow University, College, and Major requirements current at the time of re-enrollment.

Requirements of the Management Information Systems Major

Code	Title	Credit Hours
MIS 2402	Web Application Development	3
MIS 2502	Data and Analytics	3
MIS 3406	Cloud Architecture	3
MIS 3506	User Experience Design	3
MIS 3502	Web Service Programming	3
MIS 4596	Managing Enterprise Cybersecurity ^{1, 2}	3
Total Credit Hours		18

1

This major capstone is taken in the final semester, and all prerequisites must be met.

2

Each MIS major student is required to achieve a minimum of 1,000 professional achievement points in order to graduate.

Suggested Academic Plan

Bachelor of Business Administration in Management Information Systems

Suggested Plan for New Students Starting in the 2023-2024 Academic Year

Please note that this plan is suggested only, ensuring prerequisites are met.

Year 1		Credit Hours
Fall		
STAT 1001	Quantitative Methods for Business I	3
ECON 1101	Macroeconomic Principles	3
HRM 1101	Leadership and Organizational Management	3
ENG 0802	Analytical Reading and Writing	4
or ENG 0812	or Analytical Reading and Writing: ESL	
or ENG 0902	or Honors Writing About Literature	
GenEd Breadth Course		3
Credit Hours		16
Spring		
STAT 1102	Quantitative Methods for Business II	4
ECON 1102	Microeconomic Principles	3
BA 1103	Legal and Ethical Reasoning in Business	3
MIS 2101	Digital Systems	3
IH 0851	Intellectual Heritage I: The Good Life	3
or IH 0951	or Honors Intellectual Heritage I: The Good Life	
Credit Hours		16
Year 2		
Fall		
ACCT 2103	Financial and Managerial Accounting for Decision Making	4
STAT 2103	Statistical Business Analytics (waives GenEd Quantitative Literacy requirement)	4
MIS 2402	Web Application Development	3
MIS 2502	Data and Analytics	3
IH 0852	Intellectual Heritage II: The Common Good	3
or IH 0952	or Honors Intellectual Heritage II: The Common Good	
Credit Hours		17
Spring		
MKTG 2101	Marketing Management	3
BA 2101	Professional Development Strategies	1
BA 2196	Business Communications	3
Select one of the following: ¹		3
BA 2501	Turning Numbers into Knowledge: Visualizing Data	
BA 2502	Business Analytics: Modern Data Science Techniques	
MIS 3406	Cloud Architecture	3
MIS 3506	User Experience Design	3
Credit Hours		16
Year 3		
Fall		
RMI 2101	Introduction to Risk Management	3
FIN 3101	Financial Management	3
MSOM 3101	Operations Management	3
Business Elective ²		3
GenEd Breadth Course		3
Credit Hours		15
Spring		
MIS 3502	Web Service Programming	3

Business Elective ²		3
GenEd Breadth Course		3
GenEd Breadth Course		3
Free Elective		3
Credit Hours		15
Year 4		
Fall		
BA 4102	Strategic Management	3
GenEd Breadth Course		3
GenEd Breadth Course		3
GenEd Breadth Course		3
Business Elective ²		3
Credit Hours		15
Spring		
MIS 4596	Managing Enterprise Cybersecurity	3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		2
Credit Hours		14
Total Credit Hours		124

¹
Please check with your departmental advisor on which course is most appropriate for the major.

²
2000-3999 electives can be selected from: ACCT, AS, BA, ECON, FIN, HRM, IB, LGLS, MIS, MKTG, RE, RMI, STAT, SCM, SGM. Please see your advisor for elective suggestions that match your career objectives. MIS 3535 is highly recommended as a business elective.