

Management Information Systems

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

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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.

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

MIS students learn to design, build, deploy, secure, and evaluate API-driven, cloud-based software applications that achieve business goals, meet requirements, deliver a positive user experience, and execute reliably at scale.

MIS will prepare you 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
- Analyze critical business data using data mining techniques and navigate relational and NoSQL data stores using MySQL and MongoDB

Professional Achievement Program

MIS majors benefit from an innovative patent pending PRO - professional achievement program:

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 your educational and professional achievements at the IT Career Fair.

Careers and Placement

MIS BBA 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 \$65,314 nationally. Salaries for IS graduates are about 25% higher than typical business majors.
- 83% of IS graduates are satisfied with their job offer.
- The highest paying jobs are consulting, project management, and systems analyst.

The top IS jobs are:

- Application Developer - \$72,833
- Information Security - \$69,553
- IT Consultant - \$69,464
- Project Manager - \$66,500
- Systems Analyst - \$63,643

- Data / Analytics - \$63,183
- IT Auditor - \$63,168
- Computer Support - \$56,261

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

The MIS Edge

1. What is MIS and why should you consider MIS?
2. What is unique about the MIS program?
3. Exclusive scholarships and awards. BBA in MIS students can access STEM-designated scholarships.
4. Win prizes and gain recognition in national, and local analytics, design, and entrepreneurial competitions.
5. Temple's Association for Information Systems (AIS) student organization provides extensive professional, social, and community activities.
6. The BBA in MIS is designed in partnership with the Fox IT Industry Advisory Board. Members of the board mentor students on projects.
7. Access top firms through the affiliated Institute of Business and Information Technology which each year hosts the acclaimed IT Awards.
8. Fox is one of the largest business schools in the world with a vast array of programs, research centers, and superb resources.
9. Learn the latest technologies.

Next Steps

1. Take a look at our internationally renowned faculty
2. Read Why Temple MIS?
3. Contact Temple Fox MIS on Facebook

If you're a high-performing, motivated student, we want to recruit you. Please contact Joseph Allegra at jallegra@temple.edu.

Minors

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.

Who Should Minor in Management Information Systems?

Business students will benefit from a minor in MIS. The minor in MIS will position you for jobs in business application areas, consulting positions, technical liaisons, and selling and acquisition of business software.

What is in it for me?

- Understand the key information technologies used by organizations.
- Learn how to specify technology solutions and engage with IT professionals.
- Understand the importance of business processes.
- Identify how specific IT solutions are designed and implemented to increase efficiency and effectiveness.
- Apply data analytics to collect, store, analyze, and disseminate organizational information.

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. For more information or to declare Management Information Systems as your minor, visit: <https://community.mis.temple.edu/programs/misminor/>.

Information Technology Innovation and Entrepreneurship Minor (ITIE)

The Information Technology Innovation and Entrepreneurship (ITIE) minor integrates the enabling role of IT and the drive of entrepreneurial thinking. The minor includes courses in Entrepreneurship, Management Information Systems (MIS), and other related areas.

Who Should Minor in ITIE?

The minor is appropriate for all majors and particularly relevant for students in Marketing, Finance, Human Resources, and Management Information Systems. ITIE minors can drive new IT-enabled innovative projects in existing firms and create technology-enabled start-ups.

The minor is a joint venture between the MIS department and the Strategic Management department.

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. For more information or to declare ITIE as your minor, visit: <https://community.mis.temple.edu/programs/minor-in-itie/>.

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. The Digital Marketing minor is appropriate for all BBA students in the Fox School of Business and Management 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. For more information about the Digital Marketing minor, visit: <https://community.mis.temple.edu/programs/digital-marketing-minor/>.

Certificate

Students who wish to earn a Certificate in Management Information Systems can do so by completing the required courses. Courses cannot be used to meet certificate requirements if already used to meet the requirements for a major or a different minor or certificate. The certificate does not require the completion of the Business Minor or the Business Studies Minor. Certificates are not listed on the academic transcript.

Requirements for the certificate must be completed prior to graduation. Contact the Management Information Systems department to declare the Management Information Systems certificate.

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, including a minimum grade of C in every course, 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
Note: A grade of C or better is required for all of the courses listed below.		
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 3535	Lead Global Digital Projects	3
MIS 4596	Managing Enterprise Cybersecurity ^{1, 2}	3
Total Credit Hours		21

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.

Note: All MIS majors are waived from the college requirement of IB 3101 unless a second major or a minor is added. Please see an academic advisor to review this waiver further.

Suggested Academic Plan

Bachelor of Business Administration in Management Information Systems

Requirements for New Students starting in the 2021-2022 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, 0812, or 0902	Analytical Reading and Writing [GW]	4
GenEd Breadth Course		3
Term Credit Hours		16
Spring		
STAT 1102	Quantitative Methods for Business II	4
ECON 1102	Microeconomic Principles	3
LGLS 1101	Legal Environment of Business	3
MIS 2101	Digital Systems	3
IH 0851 or 0951	Intellectual Heritage I: The Good Life [GY]	3
Term Credit Hours		16
Year 2		
Fall		
STAT 2103	Statistical Business Analytics (waives GenEd Quantitative Literacy requirement)	4
ACCT 2101	Financial Accounting	3
MIS 2502	Data and Analytics	3
MIS 2402	Web Application Development	3
IH 0852 or 0952	Intellectual Heritage II: The Common Good [GZ]	3
Term Credit Hours		16
Spring		
ACCT 2102	Managerial Accounting	3
MKTG 2101	Marketing Management	3
BA 2101	Professional Development Strategies	1
BA 2196	Business Communications [WI]	3
MIS 3406	Cloud Architecture	3
MIS 3506	User Experience Design	3
Term Credit Hours		16
Year 3		
Fall		
RMI 2101	Introduction to Risk Management	3
FIN 3101	Financial Management	3
MSOM 3101	Operations Management	3
BA 3102	Business Society and Ethics	3
GenEd Breadth Course		3
Term Credit Hours		15
Spring		
BA 3103	Integrative Business Applications	3
MIS 3502	Web Service Programming	3
MIS 3535	Lead Global Digital Projects	3
GenEd Breadth Course		3
GenEd Breadth Course		3
Term Credit Hours		15

Year 4		
Fall		
BA 4101	Global Business Policies	3
GenEd Breadth Course		3
GenEd Breadth Course		3
GenEd Breadth Course		3
Free Elective		3
Term Credit Hours		15
Spring		
MIS 4596	Managing Enterprise Cybersecurity [WI]	3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
Term Credit Hours		15
Total Credit Hours:		124