

STEM MBA: MAJOR IN INFORMATION SYSTEMS AND TECHNOLOGY

Effective September 2025
(36-45 Credits / 12-15 Courses)

Foundation Courses (0-15 Credits / 0-5 Courses) ¹

| <u>Course</u> | <u>Title</u> | <u>Prerequisite</u> |
|---------------|--|---------------------|
| GR 521 | Managerial Statistics | None |
| GR 522 | Economic Environment of the Firm | None |
| GR 523 | Marketing Management | None |
| GR 524 | Accounting for Decision Making | None |
| GR 525 | Financial Statement Analysis for Decision Making | GR 524 or AC 611 |

¹ Students may be waived from 3 Foundation Courses without being required to add Major elective courses. If 4 Foundation Courses are waived, 1 added Major course is required. If 5 Foundation Courses are waived, 2 added Major electives are required.

Core Courses (18 Credits / 6 Courses)

| <u>Course</u> | <u>Title</u> | <u>Prerequisite</u> |
|---------------|-------------------------------------|------------------------|
| CS 605 | Data Management & SQL for Analytics | None |
| GR 601 | Strategic IT Alignment | All Foundation Courses |
| GR 602 | Business Process Management | All Foundation Courses |
| GR 603 | Leading Responsibly | None |
| GR 604 | Global Strategy | All Foundation Courses |
| GR 645 | Law, Ethics & Social Responsibility | None |

Information Systems and Technology Major (12-18 Credits / 4-6 Courses)*

Select four of the following:

| <u>Course</u> | <u>Title</u> | <u>Prerequisite</u> |
|---------------|--|---------------------|
| CS 602 | Data-Driven Development with Python | None |
| CS 607 | Cybersecurity | None |
| CS 610 | Enterprise Architecture | None |
| CS 650 | Data Analytics Architectures with Big Data | CS 602 & CS 605 |
| CS 655 | Managing with Analytics | None |
| CS 725 | Information Security, Controls and Ethics | None |
| CS 733 | AI Techniques and Applications | CS 602 |

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|--|--|------------------|
| CS 741 | Enterprise Systems Planning and Configuration | GR 602 or AC 730 |
| CS 753 | Business Intelligence Methods and Technologies | CS 605 |
| CS 881 | CIS Internship** | Advisor approval |
| --or-- GBE 790 | Global Business Experience** | Advisor approval |
| <p>*If 4 Foundation Courses are waived, 1 added Major course from above list is required. If 5 Foundation Courses are waived, 2 added Major electives required.</p> <p>**GBE 790 and CS 881 must be approved in advance by Information Systems Technology (IST) major advisor and internship advisor to ensure full STEM coverage.</p> | | |

