

# STEM MASTER OF BUSINESS ADMINISTRATION: MAJOR IN FINANCIAL ANALYTICS

*Effective September 2024*  
(36-48 Credits / 12-16 Courses)

## Foundation Courses (0-18 Credits / 0-6 Courses)

| <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    |
| GR 526        | Calculus                                         | None                |

<sup>1</sup> Students may be waived from 4 Foundation Courses without being required to add Major elective courses. If 5 Foundation Courses are waived, 1 added Major course is required. If 6 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                   |

## Financial Analytics Major (12 Credits / 4 Courses)

| <u>Course</u> | <u>Title</u>                       | <u>Prerequisite</u> |
|---------------|------------------------------------|---------------------|
| FI 623        | Investments                        | None                |
| FI 650        | Quantitative Investment Management | FI 623              |
| FI 774        | Computational Finance              | GR 526 & FI 623     |
| CS 655        | Managing with Analytics            | None                |

If additional course(s) are needed to reach 36 total credits, they can be selected from the two below:

|        |                    |                         |
|--------|--------------------|-------------------------|
| FI 631 | Financial Modeling | FI 625 or GR 525        |
| FI 645 | Derivatives        | Pre- or Co- req: FI 623 |

# Academic Planner: Master of Business Administration

## Major: Financial Analytics

This worksheet is intended to help you plan your course enrollments to be sure that they align with the Master of Business Administration, major in Financial Analytics curriculum. Use this worksheet along with Degree Works to track your progress toward program completion.

Please note in order to graduate students must:

Complete all degree requirements within five years

Earn a minimum of 2.7 cumulative GPA

Advising Guidance:

- Only foundation courses may be waived. Insert a “W” under the Waiver/Substitution column. Students may be waived from 4 Foundation Courses without being required to add electives. If 5 Foundation Courses are waived, 1 added Major elective is required. If 6 Foundation Courses are waived, 2 added Major electives are required.
- All course prerequisites must be satisfied. Please note that the stated prerequisites of a course may also have a prerequisite that must be satisfied.
- Refer to the [Graduate Catalog](#) for guidance about when classes are typically offered.

Name:

Matriculation Date:

Bentley ID:

Anticipated Completion Date:

| Course Number & Title                                                                                                | Credits | Summer | Fall | Spring | Waiver/Substitution |
|----------------------------------------------------------------------------------------------------------------------|---------|--------|------|--------|---------------------|
| <b>Foundation Courses (0-18 Credits / 0-6 Courses)</b>                                                               |         |        |      |        |                     |
| GR 521 Managerial Statistics                                                                                         | 3       |        |      |        |                     |
| GR 522 Economic Environment of the Firm                                                                              | 3       |        |      |        |                     |
| GR 523 Marketing Management                                                                                          | 3       |        |      |        |                     |
| GR 524 Accounting for Decision Making                                                                                | 3       |        |      |        |                     |
| GR 525 Financial Statement Analysis                                                                                  | 3       |        |      |        |                     |
| GR 526 Calculus                                                                                                      | 3       |        |      |        |                     |
| <b>Core Courses (18 Credits / 6 Courses)</b>                                                                         |         |        |      |        |                     |
| CS 605 Data Management & SQL for Analytics                                                                           | 3       |        |      |        |                     |
| GR 601 Strategic IT Alignment                                                                                        | 3       |        |      |        |                     |
| GR 602 Business Process Management                                                                                   | 3       |        |      |        |                     |
| GR 603 Leading Responsibly                                                                                           | 3       |        |      |        |                     |
| GR 604 Global Strategy                                                                                               | 3       |        |      |        |                     |
| GR 645 Law, Ethics & Social Responsibility                                                                           | 3       |        |      |        |                     |
| <b>Financial Analytics Major Courses (12 Credits / 4 Courses)</b>                                                    |         |        |      |        |                     |
| FI 623 Investments                                                                                                   | 3       |        |      |        |                     |
| FI 650 Quantitative Investment Management                                                                            | 3       |        |      |        |                     |
| FI 774 Computational Finance                                                                                         | 3       |        |      |        |                     |
| CS 655 Managing with Analytics                                                                                       | 3       |        |      |        |                     |
| <b>Elective Course(s) Due to Waivers (3-6 Credits / 1-2 Courses). ONLY if waived from 4 or 5 Foundation Courses.</b> |         |        |      |        |                     |
| 1.                                                                                                                   | 3       |        |      |        |                     |
| 2.                                                                                                                   | 3       |        |      |        |                     |
| <b>Total Credits:</b>                                                                                                |         |        |      |        |                     |

Notes: