



**2019-2020 DEGREE REQUIREMENT SUMMARY
B.S. IN MATHEMATICAL SCIENCES**



GENERAL EDUCATION REQUIREMENTS

- () IT 101 Information Technology
- () EXP 1_____ Expository Writing I¹
- () EXP 2_____ Expository Writing II¹
- () _____ Literature/Cinema/EMS²
- () MA 131 Calculus I
- () MA 139 Calculus II
- () NASC_____ Natural Science (4cr)
- () GLS_____ Global Studies: GLS 100, 101, 102, 105, or 116
- () HI_____ History
- () PH 101 Problems of Philosophy
- () PS/SO_____ Behavioral Science
- () EC 111 Principles of Microeconomics
- () EC 112 Principles of Macroeconomics
- () FS 111 First Year Seminar (1cr)

MAJOR REQUIREMENTS³

- () MA 233 Calculus III
- () MA 239 Linear Algebra
- () MA 252 Math Statistics
- () MA 263 Continuous Probability for Risk Management
- () MA_____ MA Elective⁴
- () MA_____ MA Elective⁴
- () MA_____ MA Elective⁴
- () MA_____ MA Elective⁴

ELECTIVES⁵

- () _____ Humanities/Social Science Elective
- () _____ Arts and Science Elective
- () _____ Arts and Science Elective
- () _____ Arts and Science Elective
- () _____ Arts and Science Elective
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- () _____ Arts and Science Elective
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BUSINESS STUDIES MINOR^{6,7}

- () GB 110 Legal and Ethical Environment of Business
- () GB 112 Tools & Concepts in Accounting & Finance
- () GB 212 Practice & Applications in Acct. & Finance
- () GB 213 Business Statistics
- () GB 214 Marketing-Operations Fundamentals
- OR GB 215 Human Behavior and Organizations

UNRESTRICTED ELECTIVE COURSES⁵

- () _____
- () _____
- () _____
- () _____
- () _____

BUSINESS STUDIES MAJOR^{6,7}

- () GB 110 Legal and Ethical Environment of Business
- () GB 112 Tools & Concepts in Accounting & Finance
- () GB 212 Practice & Applications in Acct. & Finance
- () GB 213 Business Statistics
- () GB 214 Marketing-Operations Fundamentals
- () GB 215 Human Behavior and Organizations
- () _____ Business Elective
- () _____ Business Elective

UNRESTRICTED ELECTIVE COURSES⁵

- () _____
- () _____

Office Notes:

Total credits required: 122.

Note: Transfer students with at least 15 credits in transfer will complete 121 credits.

All courses are 3 credits unless otherwise indicated.

COURSE FOCUS REQUIREMENTS

- () U.S. Diversity Intensive (D)
- () International Intensive (I)
- () Communication Intensive (C)
- () Communication Intensive/Major (MA 252)

¹ Placement in this course is determined by the English and Media Studies department.

² Requirement may be fulfilled with any LIT/CIN/EMS course or MLCH 402, MLFR 304, MLIT 304, MLSP 301, 404, or 405.

³ Students are urged to meet with a faculty mentor in the MA department on a regular basis, particularly before registering for their MA major requirements.

⁴ Any MA course 200 or higher not otherwise required.

⁵ Elective guidelines are available on the Registrar's website.

⁶ Students must complete either a Business Studies Major or Business Studies minor.

⁷ Students who choose to pursue a Liberal Studies Major (LSM) cannot do a Business Studies Major, but must complete a Business Studies minor instead.

***Students may take no more than 30 credits of business courses, including the courses from the Business Studies Major or minor.**

Mathematical Sciences

Businesses need people who can collect and understand data, reason analytically, and apply mathematical models to real-world problems. The Mathematical Sciences major equips you with these important skills by focusing on the applications of mathematics and statistics.

Students pursuing a major in Mathematical Sciences may tailor their electives to be congruent with their academic and personal interests.

Mathematical Science major prerequisite structure:

| Courses | Prerequisites |
|--------------------|----------------------------|
| MA 233 | MA 139 |
| MA 239 | MA 139 |
| MA 252 | MA 139 & GB 213 |
| MA 263 | MA 233 & GB 213 |
| MA Elective | vary by course |
| MA Elective | vary by course |
| MA Elective | vary by course |
| MA Elective | vary by course |

- Students must complete either a Business Studies Major or Business Studies minor.
- Students who choose to pursue a Liberal Studies Major (LSM) cannot do a Business Studies Major, but must complete a Business Studies minor instead.
- Students may take no more than 30 credits of business courses, including the courses from the Business Studies Major or minor.