

2021-2022 Degree Requirement Summary

B.S. IN MATHEMATICAL SCIENCES

For the most up-to-date requirements, please refer to your Degreeworks Audit.

General Education Requirements

- ☐ **IT 101** Information Technology
- ☐ **EXP 1** Expository Writing I¹
- ☐ **EXP 2** Expository Writing II¹
- ☐ Literature/Cinema/EMS²
- ☐ **MA 131** Calculus I³
- ☐ **MA 139** Calculus II³
- ☐ **NASC** Natural Science (4 credits)
- ☐ **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 (1 credit)

Course Focus Requirements

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

Major Requirements³

- ☐ **MA 214** Intermediate Applied Statistic
- ☐ **MA 233** Calculus III
- ☐ **MA 239** Linear Algebra
- ☐ **MA 252** Regression Analysis
- ☐ **MA 263** Continuous Probability for Risk Management
- ☐ **MA** MA Elective⁴
- ☐ **MA** MA Elective⁴
- ☐ **MA** MA Elective⁴

Electives⁵

- ☐ Humanities/Social Science Elective
- ☐ Arts & Science Elective
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CHOOSE A BUSINESS STUDIES MINOR OR MAJOR

Business Studies Minor⁶

- ☐ **GB 110** Legal and Ethical Environment of Business
- ☐ **GB 112** Tools and Concepts in Accounting and Finance
- ☐ **GB 212** Practice and Applications in Accounting and Finance
- ☐ **GB 213** Business Statistics
- ☐ **GB 214** Marketing-Operations Fundamentals
- or **GB 215** Human Behavior and Organizations

Unrestricted Elective Courses⁵

- ☐
- ☐
- ☐
- ☐
- ☐

Business Studies Major⁶

- ☐ **GB 110** Legal and Ethical Environment of Business
- ☐ **GB 112** Tools and Concepts in Accounting and Finance
- ☐ **GB 212** Practice and Applications in Accounting and Finance
- ☐ **GB 213** Business Statistics
- ☐ **GB 214** Marketing-Operations Fundamentals
- ☐ **GB 215** Human Behavior and Organizations

- ☐ Business Elective
- ☐ Business Elective

Unrestricted Elective Courses⁵

- ☐
- ☐

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.

Office Notes:

MATHEMATICAL SCIENCES (MA)

The abilities to think in quantitative terms, to reason analytically, and to apply mathematical models to real-world problems and communicate results are valuable assets to those entering careers in business and other fields. Mathematical models are used to analyze a wide variety of problems in economics, finance, environmental management, marketing, business planning and other business fields, as well as traditional applications in science and engineering.

Prerequisite/Corequisite Structure

COURSES	PREREQUISITES
MA 214	GB 213
MA 233	MA 139
MA 239	MA 139
MA 252	MA 139, GB 213 & MA 214 (May not be taken by students who have completed EC 282.)
MA 263	MA 233 & GB 213
MA Elective	vary by course
MA Elective	vary by course
MA Elective	vary by course

IMPORTANT NOTICE! Students are responsible for understanding all university policies, procedures, and requirements. Such information can be found in the Undergraduate Course Catalogue, Registrar's website, and the Student Handbook. Please be aware that overall and major averages must be at least 2.000 for graduation. This information is to help the student in monitoring progress toward the degree. Responsibility for meeting all degree requirements rests with the student.

1. Placement in this course is determined by the English and Media Studies department.
2. Requirement may be fulfilled with any course in LIT, CIN, EMS, or MLCH 403, MLFR 304, MLIT 304, MLIT 305, MLSP 306, MLSP 307, MLSP 404, or MLSP 405. Certain topics/titles of MLCH 402 or MLSP 301 may also apply.
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 numbered 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.

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.