



2019-2020 DEGREE REQUIREMENT SUMMARY
B.S. IN ACTUARIAL 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)
- () _____ 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 Regression Analysis
- () MA 263 Continuous Probability for Risk Management
- () MA_____ MA 310 or MA 357
- () MA_____ Focus Course⁴
- () MA_____ Focus Course⁴
- () MA_____ MA Elective⁵

ELECTIVES⁶

- () _____ Humanities/Social Science Elective
- () _____ Arts & Science Elective
- () _____ Arts & Science Elective
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BUSINESS STUDIES MINOR^{7,8}

- () 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 COURSES⁶

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

BUSINESS STUDIES MAJOR^{7,8}

- () 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 COURSES⁶

- () _____
- () _____

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 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 Select focus courses from the following: MA 310 or 357 (if not used to fulfill a major requirement), MA 243, MA 335, MA 343, MA 352, MA 370, MA 375, or MA 376.

⁵ Any MA course 200 or higher not otherwise required for the major.

⁶ Elective guidelines are available on the Registrar's website.

⁷ Students must choose either a Business Studies Major or Business Studies minor.

⁸ 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.**

Actuarial Science

The Actuarial Science degree prepares you for a rewarding career in the actuarial field. Actuaries are in great demand by the insurance, financial services and consulting industries. Graduates are recruited for leadership development in top insurance companies.

An Actuarial Science major can provide extensive preparation for four actuarial exams (Exams P/1, FM/2, MLC and MFE/3F) as well all of the necessary VEE (Validation by Educational Experience) credit. In addition, qualified students will have the opportunity to pursue an internship in actuarial science.

Actuarial Science major prerequisite structure:

| Courses | Prerequisites |
|------------------------|----------------------------|
| MA 233 | MA 139 |
| MA 239 | MA 139 |
| MA 252 | MA 139 & GB 213 |
| MA 263 | MA 139 & GB 213 |
| MA 310 or 357 | MA 139 |
| MA Focus Course | vary by course |
| MA Focus Course | vary by course |
| MA Elective | MA 131 or 139 |

- Select focus courses from the following: MA 310 or 357 (if not used to fulfill a major requirement), MA 243, MA 335, MA 343, MA 352, MA 370, MA 375, or MA 376.
- Students must choose 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.
- ASC students may take no more than 30 credits of business courses, including the courses from the Business Studies Major or minor.