

## Math Course Options for the Bachelor of Science (BS) Degree

Students pursuing a business core program (Accounting, Economics with Business Concentration, Finance, Hospitality, International Business, Management, Management Information Systems, or Marketing) are eligible to receive either a BBA (Bachelor of Business Administration) or a BS (Bachelor of Science) degree. The BS degree requirements are the same as those of the B.B.A., except the B.S. requires a student to complete 6 additional credits of math or statistics courses beyond the calculus and statistics required in the Pre-Business Foundation courses.

Students interested in earning the BS should take **two** courses from the list below. The highlighted courses have pre-requisites that a business core major would have already taken in pursuit of their degree. The other courses require advanced math pre-requisites that a business major would not likely have taken. Consult the University catalog or the Searchable Schedule for information.

**Economics Minor:** Interested students can choose two of the ECO options below and count those same courses towards a minor in Economics.

**Calculus Courses:** Students who used a more advanced calculus in place of MAC2233 within pre-business cannot count that course both towards pre-business and BS requirements.

Not all courses are offered every semester. Speak with an academic advisor if you have questions.

### Choose TWO:

| Course Title                               | Prefix & Number | Credits  |
|--|-----------------|----------|
| Modern Analysis                            | MAA4200         | 3        |
| Introductory Complex Analysis              | MAA4402         | 3        |
| Calculus with Analytic Geometry 1          | MAC2311         | 4        |
| Calculus with Analytic Geometry 2          | MAC2312         | 4        |
| Calculus with Analytic Geometry 3          | MAC2313         | 4        |
| <b>Discrete Mathematics</b>                | <b>MAD2104</b>  | <b>3</b> |
| Introduction to Computational Math         | MAD2502         | 3        |
| Differential Equations 1                   | MAP2302         | 3        |
| <b>Matrix Theory</b>                       | <b>MAS2103</b>  | <b>3</b> |
| Linear Algebra 2                           | MAS4107         | 3        |
| Modern Algebra                             | MAS4301         | 3        |
| Mathematical Problem Solving               | MAT4937         | 3        |
| Probability and Statistics 1               | STA4442         | 3        |
| Honors Intermediate Statistics             | STA3163         | 3        |
| <b>Introduction to Econometric Methods</b> | <b>ECO4421</b>  | <b>3</b> |
| <b>Intermediate Econometrics</b>           | <b>ECO4422</b>  | <b>3</b> |
| <b>Game Theory and Applications</b>        | <b>ECO4402</b>  | <b>3</b> |
| <b>Mathematical Economics</b>              | <b>ECO4401</b>  | <b>3</b> |
| <b>Logic</b>                               | <b>PHI2102</b>  | <b>3</b> |