

MATHEMATICS (MINOR)

A minor in Mathematics can be developed to complement a major program in any major, with a focus on pure and applied mathematical theory.

Course Requirements

| Course | Title | Quarter Hours |
|---|--|---------------|
| Select one of the following Calculus sequences: | | 12-18 |
| Sequence One | | |
| MAT 150 | CALCULUS I | |
| MAT 151 | CALCULUS II | |
| MAT 152 | CALCULUS III | |
| Sequence Two | | |
| MAT 147 | CALCULUS WITH INTEGRATED PRECALCULUS I | |
| MAT 148 | CALCULUS WITH INTEGRATED PRECALCULUS II | |
| MAT 149 | CALCULUS WITH INTEGRATED PRECALCULUS III | |
| Sequence Three ¹ | | |
| MAT 155 | SUMMER CALCULUS I | |
| MAT 156 | SUMMER CALCULUS II | |
| MAT 260 | MULTIVARIABLE CALCULUS I | 4 |
| MAT 262 | LINEAR ALGEBRA | 4 |
| or MAT 220 | APPLIED LINEAR ALGEBRA | |
| Choose one course from the following list: | | 4-8 |
| MAT 215 | INTRODUCTION TO MATHEMATICAL REASONING | |
| or MAT 140 | DISCRETE MATHEMATICS I | |
| & MAT 141 | and DISCRETE MATHEMATICS II | |
| MAT 216 | FOUNDATIONS OF ADVANCED MATHEMATICS | |
| MAT 304 | DIFFERENTIAL EQUATIONS | |
| MAT 348 | APPLIED STATISTICAL METHODS | |
| MAT 351 | PROBABILITY AND STATISTICS I | |
| MAT 384 | MATHEMATICAL MODELING | |
| MAT 385 | NUMERICAL ANALYSIS I | |

¹ This Calculus sequence is offered only during the summer, in two 6-credit hour courses. Students successfully completing MAT 131, MAT 147 or MAT 150 should enroll in MAT 155; students who successfully complete MAT 148 or MAT 151 should enroll in MAT 156. Students who successfully complete MAT 155 may enroll in either MAT 151 or MAT 156.

Business students who have an exceptionally strong background in calculus, including calculus of trig functions, may be permitted by the chair to substitute MAT 135 and MAT 136 for MAT 150.

Students whose major is granted by the Department of Mathematical Sciences cannot earn a minor in Mathematics.