

## MATHEMATICS – 1718

The importance of mathematics in every segment of society is well recognized. It not only supports routine activities, but is invaluable for the needs of business, education and industry. The mathematics minor will enable non-mathematics majors to complement and enhance their major program by providing a tool to support that discipline. It further provides invaluable problem solving skills for the student, thereby extending their capabilities to other areas.

The mathematics minor consists of 21 credit hours. It is felt that the 9 hours of required lower division courses is an essential foundation for the minor, as well as being prerequisite for many of the upper division courses listed.

### REQUIRED COURSES (9 hours):

MAT 126 Calculus or MAT 161 Calculus I

MAT 127 Calculus of Several Variables or MAT 162 Calculus II

MAT 202 Linear Algebra or Mat 270 Discrete Mathematics

\*Note: MAT 161 and MAT 162 have one-hour corequisites MAT 163 and MAT 164 respectively

### ELECTIVE COURSES (12 hours):

(Prerequisites are noted in parentheses.)

MAT 301W (MAT 202 and MAT 270)

MAT 302 (MAT 301)

MAT 315 (MAT 202 and MAT 263; or Instructor Permission)

MAT 316 (MAT 315)

MAT 322W (MAT 270)

MAT 351 (MATH 270 is highly recommended)

MAT 366 (MAT 270 and MAT 164)

MAT 370 (MAT 202 and MAT 270)

MAT 381 (MAT 127 or MAT 162; and MAT 270)

MAT 382 (MAT 263 and MAT 381)

MAT401 (MAT 301)

MAT 404 (MAT 264 or Instructor Permission; and MAT 202)

MAT 411 (MAT 263 and MAT 270)

MAT 417 (MAT 263 and MAT 270)

MAT 418 (MAT 417)

MAT 461 (MAT 202 and MAT 263 and MAT 264)

MAT 471 (MAT 263 and MAT 270)

MAT 490 (Instructor Permission)

MAT 495 (Instructor Permission)

MAT 499 (Instructor Permission)