

MINOR FIELD: MATHEMATICS

DEPARTMENT: Mathematics—Computer Science—Physics

TOTAL NUMBER OF CREDITS: 18 credits

RATIONALE:

The study of Mathematics helps students to organize, analyze, and synthesize information leading to the solution of problems requiring rigor and abstraction. In today's technical and complex world, the subject provides a highly useful and intensive preparation for developing skills and strategies applicable in most areas of professional life.

REQUIREMENTS (9 credits):

MATH 301/207	Calculus I
MATH 302/208	Calculus II
MATH 216	Discrete Mathematics

ELECTIVES: Choose 9 credits from the following list.
Electives should be chosen with departmental advisement.

MATH 304	Calculus III (Prerequisites: MATH 301, MATH 302)
MATH 305	Calculus IV (Prerequisite: MATH 304)
MATH 307	Probability and Statistics (Prerequisite: MATH 305 or instructor's approval)
MATH 308	Numerical Analysis (Prerequisite: MATH 304 and CIS 218)
MATH 309	Differential Equations (Prerequisite: MAT 304)
MATH 310	Modern Algebra (Prerequisite: MATH 216 and 311, or instructor's approval)
MATH 311	Linear Algebra (Prerequisite MATH 216)
MATH 312	Modern Geometry Recommended: MATH 216)
MATH 320	Complex Analysis (Prerequisite: MATH 304)
MATH 350	Operations Research (Prerequisite: MATH 311 and CIS 218)
MATH 400	Topics in Mathematics (Prerequisites Vary)

DEPARTMENT ADVISOR: Molli R. Jones

Revised: July 2008