Minoring in Mathematics

To be eligible for a minor in Mathematics, a student must have a minimum of 18 hours of MATH courses. At least 9 of these hours must be upper level courses (300/400-level), and at least 3 of these hours must be 400-level coursework.

Courses which are **excluded** from a mathematics minor are MATH 365, 366, 367, 368, and 403. MATH 485 and 489 may only be used with department approval-inquire in Blocker 623.

Lower Division: Most students will have 3 semesters of Calculus (151 or 171, 152 or 172, and 221, 251, or 253) to satisfy this. Students who wish to pursue secondary certification should take MATH 171, 172, and 220.

300-level: Engineering students typically take MATH 308 and either 302, 304, or 311. Students who wish to pursue secondary certification should take MATH 304, 375, and 376. Students who plan to enter a business-related field should consider MATH 325. Remember that MATH 365, 366, 367, and 368 cannot be applied toward a minor.

400-level: The following 400-level courses are often used for a MATH minor:

401 Advanced Engineering Math Useful for METR, OCNG, and Engineering majors

407 Complex Variables Useful for ELEN and PHYS majors.

409 Advanced Calculus Useful for students considering graduate study in MATH, STAT, or INEN

411 Mathematical Probability Useful for INEN majors.

412 Theory of Partial Differential Equations Useful for Engineering, CHEM, and PHYS majors.

414 Fourier Series and Wavelets Useful for ELEN, and computer-related majors.

417 Numerical Analysis Useful for BICH, BSEN, METR, OCNG and NUEN majors

423 Linear Algebra II Useful for CPSC majors.

425 Mathematics of Contingent Claims Useful for students preparing to enter business, economics, or finance

433 Applied Algebra Useful for computer-related majors.

442 Mathematical Modelling Useful for Engineering majors.

467 Modern Geometry Useful for secondary certification.

470 Communications and Cryptography Useful for computer-related majors.