Mathematics Major Requirements

2008-09 Catalog

Core Courses

- MAT 129: Calculus I (4 credits) and MAT 229: Calculus II (5 credits)
  Or
- MAT 128: Calculus A, MAT 227: Calculus B, and MAT 228: Calculus C (3 credits each)
- MAT 194: Mathematical Sciences Seminar (1 credit)
- MAT 234: Linear Algebra (3 credits)
- STA 250: Probability and Statistics I (3 credits)
- CSC 270: Mathematics Software Programming (3 credits)
  Or
- INF 260 Computer Programming I (3 credits)
- MAT 329: Multivariable Calculus (4 credits)
- MAT 497: Mathematical Sciences Capstone (3 credits)

Electives: One of the following sets of 3-credit courses

a. MAT 302
   MAT 310 or MAT 410
   MAT 420 or MAT 430
   One 300-level or above MAT/STA course
   Two 400-level MAT/STA courses
b. MAT 325
   Two of MAT 330, MAT 360, MAT 375, and SCI 370
   Three 300-level or above MAT/STA courses
c. STA 314
   STA 315
   STA 341
   One 300-level or above STA course
   Two 300-level or above MAT/STA courses
d. MAT 302
   MAT 345
   MAT 310 or MAT 410
   STA 341
   One of the sequences of courses
   o STA 340/341 and one other 300-level or above MAT/STA course
   o MAT 325/330, MAT 310/410 and one other 300-level or above MAT/STA course
   o or two 400-level MAT/STA courses

A grade of C or better is required in each course applied to the major. At least 9 semester hours towards the major must be taken at NKU.