

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
 - STA 340/341 and one other 300-level or above MAT/STA course
 - MAT 325/330, MAT 310/410 and one other 300-level or above MAT/STA course
 - 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.