College of Science  
Mathematics Minor  
CHECK SHEET  
For students graduating in calendar year 2017

I. Required Mathematics Courses (16 credits)

A. Calculus:
   PATH 1:  
   MATH 1205 Calculus 3 ( )  
   MATH 1206 Calculus 3 ( )  
   MATH 1224 Vector Geometry 2 ( )  
   MATH 2224 Multivariable Calculus 3 ( )
   OR
   PATH 2:  
   MATH 1225 Calculus of a Single Variable I 4 ( )  
   MATH 1226 Calculus of a Single Variable II 4 ( )  
   MATH 2204 Intro to Multivariable Calculus 3 ( )

B. Linear Algebra, ODE's:
   MATH 1114 Elementary Linear Algebra 2 ( )  
   MATH 2214 Intro. to Differential Equations 3 ( )

II. Math Electives (9 hours).

Any 9 hours of MATH courses numbered 3000 or higher with the following exceptions.

- MATH 2534 Intro to Discrete Mathematics (3) may be used.
- The following may *not* be used:
  - MATH 3054 Programming For Mathematical Problem Solving (3)
  - MATH 4044 History Of Mathematics (3)
  - MATH 4625, 4626 Mathematics For Secondary Teachers (3)
  - MATH 4644 Secondary School Mathematics With Technology (3)
  - MATH 4654 Capstone Thesis And Seminar (3)
  - MATH 4664 Senior Math Education Seminar (3)
  - MATH 4974 Independent Study (3)
  - MATH 4994 Undergraduate Research (3).
- MATH 4984 Special Study may be used *only* if permission is granted by the associate head for undergraduate students.
- CMDA 3605, 3806 Mathematical Modeling: Methods and Tools and CMDA 4604 Intermediate Topics in Mathematical Modeling may be used.

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Note: Enrollment opportunities in some of these courses may be limited for nonmajors.

III. Total Hours. 25 semester credits required.

IV. Minimum GPA. The courses used to satisfy the minor requirements must be completed with a combined GPA of 2.0 or higher.

Note: Course duplications or nonmathematics substitutions are not acceptable in lieu of the specific courses indicated above.