2015-2016 CATALOG
Mathematics Minor Checklist
BGS Degree

This checklist is for advising purposes only. Consult your undergraduate catalog or official degree audit for degree requirements.

- Twelve advanced hours in the minor coursework are required.
- A 2.25 cumulative GPA must be maintained in all minor courses.
- No grade lower than a “C” will be accepted as credit for the BGS degree.

<table>
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<th>20 Hours</th>
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| **MATH 2471 - Calculus I**  
(Prerequisites: MATH 2417 with a grade of C or higher, ACT Mathematics score of 27 or more, SAT Mathematics score of 580 or more, Accuplacer College Mathematics score of 103 or more, Compass Trigonometry score of 46 or more) |
| **MATH 2472 - Calculus II**  
(Prerequisite: MATH 2471 with a grade of “C” or higher) |

Choose 4 classes from:

| **MATH 3305 - Introduction to Probability and Statistics**  
(Prerequisite: MATH 2472 with a grade of “C” or higher.) |
| **MATH 3323 - Differential Equations**  
(Prerequisite: MATH 2472 with a grade of “C” or higher.) |
| **MATH 3325 - Number Systems**  
(Prerequisite or Co-requisite: MATH 2471) |
| **MATH 3330 - Introduction to Advanced Mathematics**  
(Prerequisite: MATH 2472 with a grade of “C” or higher.) |
| **MATH 3348 - Deterministic Operations Research**  
(Prerequisite: MATH 2472 with a grade of “C” or higher.) |
| **MATH 3373 - Calculus III**  
(Prerequisite: MATH 2472 with a grade of “C” or higher.) |
| **MATH 3377 - Linear Algebra**  
(Prerequisite: MATH 2472 with a grade of “C” or higher.) |
| **MATH 3380 - Analysis I**  
(Prerequisite: MATH 3330 with a grade of “C” or higher.) |
| **MATH 3383 – Numerical Analysis I**  
(Prerequisite: MATH 2472 with grade of “C” or higher.) |
| **MATH 3398 - Discrete Mathematics II**  
(Prerequisite: MATH 2358 with a grade of “C” or higher.) |
| **MATH 4305 - Probability and Statistics**  
(Prerequisite: MATH 3305 with a grade of “C” or higher.) |
| **MATH 4306 - Fourier Series and Boundary Value Problems**  
(Prerequisite: MATH 3323 with a grade of “C” or higher.) |
| **MATH 4307 - Modern Algebra**  
(Prerequisites: MATH 3330 with a grade of “C” or higher and MATH 3325 or 3377 with a grade of “C” or higher.) |
| **MATH 4350 - Introduction to Combinatorics**  
(Prerequisite: MATH 2472 with a grade of "C" or higher.) |
| **MATH 4383 - Numerical Analysis II**  
(Prerequisites: MATH 3383 and MATH 3323 with grades of “C” or higher.) |