2014-2015 CATALOG
Applied 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.

20 Hours

—— MATH 2471 - Calculus I
(Prerequisites: MATH 2417 with a grade of “C”, or ACT Mathematics score of 27 or more, or SAT Mathematics score of 580 or more, or 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 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 3375 – Engineering Mechanics
(Prerequisite: PHYS 1430; Prerequisite: MATH 2472.)
—— MATH 3377 - Linear Algebra
(Prerequisite: MATH 2472 with a grade of “C” or higher.)
—— MATH 3398 - Discrete Mathematics II
(Prerequisite: MATH 2358 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.)
—— PHYS 3320* - Introduction to Mathematical Physics
(Prerequisite: MATH 3373 and MATH 3323)
—— CS 3378* - Theory of Automata
(Prerequisite: CS 3358 with a grade of “C” or higher.)
—— IE 3320* - Engineering Statistics (Prerequisite: MATH 2472)

*Students can take only one of: PHYS 3320, CS 3378, or IE 3320 and students may not receive credit for both MATH 3305 and IE 3320.