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 higher, or ACT Mathematics score of 26 or more, or SAT Mathematics score of 560 or more, or Accuplacer College Mathematics score of 103 or more, Compass Trigonometry score of 46)
- **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: 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 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**
  (Prerequisite: MATH 3330 with a grade of “C” or higher & MATH 3325 or 3377 with a grade of “C” or higher.)