### Major Requirements (35-40 Hrs.)

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Grade</th>
<th>Course</th>
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<tbody>
<tr>
<td>5</td>
<td></td>
<td>CHEM 1250 or 1350 Gen. Chem. I</td>
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<tr>
<td>4</td>
<td></td>
<td>CHEM 1270 or 1370 Gen. Chem. II</td>
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<tr>
<td>1</td>
<td></td>
<td>CHEM 1280 or 1380 Gen. Chem. II Lab</td>
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<tr>
<td>3</td>
<td></td>
<td>CHEM 2010 Quantitative Chemical Analysis</td>
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<tr>
<td>5</td>
<td></td>
<td>CHEM 3410 Organic Chemistry</td>
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<tr>
<td>3</td>
<td></td>
<td>CHEM 3440 Organic Chemistry</td>
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<tr>
<td>2</td>
<td></td>
<td>CHEM 3450 Organic Chemistry Lab</td>
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<tr>
<td>2</td>
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<td>CHEM 4070 Integrated Lab</td>
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<tr>
<td>3</td>
<td></td>
<td>CHEM 4450 General Biochemistry</td>
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<tr>
<td>1</td>
<td></td>
<td>CHEM 4460 General Biochemistry Lab</td>
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<tr>
<td>3</td>
<td></td>
<td>CHEM 4470 General Biochemistry</td>
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<tr>
<td></td>
<td></td>
<td>Complete all courses in either Track 1 or Track 2</td>
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<tr>
<td>Track 1*</td>
<td></td>
<td>CHEM 4050 Physical Chemistry</td>
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<tr>
<td>Track 2*</td>
<td></td>
<td>CHEM 3520 Essentials of Physical Chemistry</td>
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<tr>
<td>Track 2*</td>
<td></td>
<td>BIOL 2040 Concepts in Biology I or BIOL 3130 Microbiology</td>
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<tr>
<td>Track 2*</td>
<td></td>
<td>MATH 2320 Calc. and Analytical Geom II</td>
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</table>

* Biology and Math courses may be used in minors

### Additional Specific Requirements

- Complete all courses in either Track 1 or Track 2
- **Track 1***
  - 4 Hrs CHEM 4050 Physical Chemistry
  - 4 Hrs BIOL 2040 Concepts in Biology I or BIOL 3130 Microbiology
  - 5 Hrs MATH 2320 Calc. and Analytical Geom II
- **Track 2***
  - 3 Hrs CHEM 3520 Essentials of Physical Chemistry
  - 4 Hrs BIOL 2040 Concepts in Biology I
  - 4 Hrs BIOL 3130 Microbiology
  - 4 Hrs BIOL 3500 General Genetics

### ACS Certification

By completing the Track 1 degree requirements with the following additional courses the Chemistry: Biochemistry Specialization BS degree is eligible for certification by the American Chemical Society.

- 3 Hrs CHEM 4630 Advanced Inorganic Chemistry
- 3 Hrs Three additional credit hours from the following: CHEM 4130, 4160, 4420, 4540, or 4660
- 2 Hrs Two additional laboratory credit hours from the following: CHEM 4080 or 4130

**Note:** CHEM 4130 hours can be used to count for both requirements.

The ACS strongly recommends completion of courses in calculus-based physics (two-semesters) and the study of multivariable calculus, linear algebra, and differential equations, as well as an undergraduate research experience such as CHEM 4130.
Junior Audit Instructions

You must complete an official degree audit with a College Advisor during your junior year [60-89 hours]. To do so, you must schedule an appointment with a College Advisor. You should bring a completed copy of this check sheet and a current copy of your Degree Audit Reporting System (DARS) report.

For Graduation You Will Need:

1. Minimum GPA 2.00.
   
   Current GPA ____________

2. 122 credit hours minimum.
   
   In Progress/Completed ____________  Needed ____________

3. A major, and if required, a minor, specialization or emphasis.
   
   Declared with the College Office  ☐ Yes  ☐ No

4. 40 credit hours at the 3000/4000 level.
   
   In Progress/Completed ____________  Needed ____________

5. Completion of all degree requirements, including the BG Perspective Requirement.
   
   In Progress/Completed ____________  Needed ____________

6. At least 30 credit hours of BGSU course work.
   
   In Progress/Completed ____________  Needed ____________

Any substitution or waiver of courses required for your major or minor program must originate in the department/school offering the major or minor and must be approved by the College Office.

To ensure a timely graduation, see a College Advisor during the semester prior to your intended graduation.

Remember to complete an Application for Graduation by the end of the second week of classes during the fall or spring semester, or by the end of the first week of the summer semester. For the specific dates, check your DARS. You may log onto MyBGSU to complete the online application. After the deadlines, you will need to complete an application in person in the College Office.

Student Contact Information:

Name (Print First & Last Name) ___________________________  BGSU ID# ___________________________

Street Address ___________________________  City ___________________________  State ___________________________  Zip Code ___________________________

Phone (Cell or Local Number) ___________________________  BGSU Email ___________________________

Student’s Signature ___________________________  Date ___________________________  Advisor’s Signature ___________________________  Date ___________________________