# Bachelor of Science in Chemistry (ACS Certification Track)

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<thead>
<tr>
<th>Name (Last, first)</th>
<th>Student Number</th>
<th>Date</th>
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<tr>
<th>First Semester at MU</th>
<th>Anticipated Graduation Date</th>
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## Required Chemistry Courses

- **College Chemistry I with Lab** 1320 4 hrs.
- **College Chemistry II with Lab** 1330 4 hrs.
- **Organic Chemistry I** 2100 3 hrs.
- **Organic Chemistry II** 2110 3 hrs.
- **Organic Laboratory I** 2130 2 hrs.
- **Organic Laboratory II (Spring)** 2140 2 hrs.
- **Fund. of Inorganic Chem. (Fall)** 2400 3 hrs.
- **Quantitative Methods of Analysis** 3200 4 hrs.
- **Physical Chemistry I (Fall)** 3310 3 hrs.
- **Physical Chemistry II (Spring)** 3330 3 hrs.
- **Physical Chem. Lab (Spring)** 3340 3 hrs.
- **Undergraduate Seminar (Spring)** 3700W 3 hrs.
- **Instrumental Methods (Fall)** 4200 3 hrs.
- **Adv. Inorganic Chemistry (Spring)** 4400 3 hrs.
- **Senior Research** 4950 3 hrs.

## Other Required Science Courses

- **Calculus I (MATH 1500)** 5 hrs.
- **Calculus II (MATH 1700)** 5 hrs.
- **Calculus III (MATH 2300)** 3 hrs.
- **University Physics I (PHYS 2750)** 5 hrs.
- **University Physics II (PHYS 2760)** 5 hrs.
- **Biochemistry I (BIOCHM 4270)** 3 hrs.

### Substitutions:

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*After completing and signing this form, have it signed and dated by your advisor and the Associate Chair for Undergraduate Studies (Professor Walensky). You then will need to make two photocopies of the signed form and schedule an appointment to submit all three copies to the A&S Dean’s Office, 107 Lowry Hall, (573)882-6411.*
**List courses already completed and courses to be completed**

*Ed = General Education, G = Graduation, B = Basic Skills, O = course may be use for other degree requirements*

All General Education and Graduation requirements must be met with a grade of C- or better (except for the American Gov./History requirement)

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### College of Arts and Science Foundation (Basic Skills), University General Education and Graduation Requirements

- Bachelor of Science (in Chemistry, Geological Sciences, Mathematics, Physics, and Statistics) Degree

(List courses already completed and courses to be completed)

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<tr>
<th>English 1000 or equivalent</th>
<th>Math 1100/1120, 1160, 1180</th>
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<tbody>
<tr>
<td>Writing Intensive I (1000+)</td>
<td>Math Reasoning Proficiency</td>
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<tr>
<td>Writing Intensive II (3000+)</td>
<td>Capstone</td>
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<tr>
<td>American Government or History</td>
<td>Diversity Requirement (di)</td>
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For students beginning college Fall '17 or later

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**Foreign Language (generally 12–13 hours; must be in the same language) or Foreign Language Alternative (12 hours)**

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**College of Arts and Science Foundation (Breadth of Study and Depth of Study) Requirements**

(List courses already completed and courses to be completed)

- Arts and Science Foundation courses satisfy the MU Distribution of Content requirement for an Arts and Science degree —

  (if student is pursuing a second non-A&S degree and/or transfers to another division, check with the appropriate advisor concerning courses meeting MU Distribution of Content requirement)

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**Area 1 — Biological, Physical, and Mathematical Sciences**

9 hours minimum covering at least 2 of 3 categories (must include 1 science lab).

This requirement is met with coursework required for the major.

**Area 2 — Behavioral and Social Sciences**

9 hours minimum including 1 behavioral science course and 1 social science course. Examples include Behavioral: anthropology (excluding biological anthropology), psychology and sociology; Social: economics, geography, history and political science.

**Area 3 — Humanities and Fine Arts**

9 hours minimum covering at least 2 subjects. Examples include appreciation of art, music or theatre; classical humanities; creative and performing arts; foreign civilizations; history of art, music or theatre; literature; philosophy; and religious studies.

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In order to graduate, students must complete a minimum of

- (A) 120 hours of degree applicable credit (including major, foundation courses, general education, minor [optional], and electives) including
- (B) 30 hours numbered 3000 or above. You will receive an e-mail stating progress toward requirements A and B. This information is also available at 107 Lowry Hall a few weeks after filing this graduation plan.

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**List courses**

- Consult the A&S Advising website for courses that meet A&S Foundation requirements
- One non-A&S course can count toward the 2000 level or higher course requirement
- Only one non-A&S course may be counted in each of the 3 areas
- Courses in the major department may not be used to fulfill A&S Foundation (Breadth of Study and Depth of Study) requirements
- 30 of the last 36 hours must be taken as MU courses
- In order to graduate, students must have the following Grade Point Averages (GPAs):
  - 2.0 cumulative GPA
  - 2.0 major GPA
  - 2.0 minor GPA
  - 2.0 GPA in the final 30 hours
  - 2.0 GPA in the final 60 hours

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**Two 2000 level or above**

- Arts & Science approved courses (minimum 6 hours) must be taken from 2 of the following 3 areas: Behavioral Science; Social Science; Humanities and Fine Arts. One course must be an MU course.

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*last revision 5/24/17*