# Bachelor of Arts in Chemistry
## 2018-2020 Catalog

### Overall Requirements to Graduate
- 126+ semester hours
- Completion of core curriculum
- Completion of a major
- 36 upper division credit hours
- GPA above 2.0
- Major GPA above 2.0
- Minor/Program complete (optional)

### Core Curriculum (46 hours)

#### Theology (9 credit hours) *Must take in order. (Pre-req: Phil 1311 or 1315/3315)*
- ☐ THEO 1301/3301 Intro to Sacred Scriptures
- ☐ THEO 2301/3311 Teachings of the Catholic Church
- ☐ THEO 3349 Christ and the Moral Life (Phil 2314 or 2316/3316)

#### Philosophy (9 credit hours) *Choose one sequence:*
- Systematic Sequence (must take in order)
  - ☐ PHIL 1311 Philosophy of the Human Person
  - ☐ PHIL 2314 Ethics
  - ☐ PHIL 3313 Metaphysics
- Historical Sequence (must take in order)
  - ☐ PHIL 1315/3315 Ancient Philosophy
  - PHIL 2316/3316 Medieval Philosophy
  - PHIL 3317 – Modern Philosophy

#### Synthesis Course (3 credit Hours)
*Choose one synthesis course from the Synthesis Course List.

#### English (9 credit hours)* *Must take in order.*
- ☐ ENGL 1341 The Classical Tradition: Literature & Composition I
- ☐ ENGL 1342 The Middle Ages: Literature & Composition II
- ☐ ENGL 2312 The Modern World: Literature & Composition III

#### History (6 credit hours) *Choose one pair of courses:*
- World History
  - ☐ HIST 1335 World Community I
  - ☐ HIST 1336 World Community II
- U.S. History
  - ☐ HIST 2333 U.S. History to 1877
  - ☐ HIST 2334 U.S. History since 1877

#### Social and Behavioral Sciences (6 credit hours) *Choose one option:*
- Social and Behavioral Sciences Option
  - Choose two courses from the Social and Behavioral Sciences Core course list.
- Social and Behavioral Sciences + Oral Communication Option
  - Choose one course from the Social & Behavioral Sciences Core course list.
  - Choose one course from the Communication Core Course list.

#### Natural Sciences (8-10 credit hours) *Choose one option:*
- Natural Sciences Option (8 credit hours)
  - Choose two lecture/laboratory courses from the Natural Sciences Core course list.
- Natural Sciences + Modern and Classical Language Option (10 credit hours)
  - Choose one lecture/laboratory course from the Natural Sciences Core course list.
  - Choose two sequential courses in a language. Courses must be completed in order

#### Mathematics (3 credit hours)
- Choose one course from the Mathematics Core Course list.

#### Fine Arts (3 credit hours)
- Choose one course from the Fine Arts Core Course list.

#### Freshman Symposium (1 credit hour) *Required for all incoming freshmen.*
- ☐ UNIV 1111 Freshman Symposium
Bachelor of Arts in Chemistry  
2018-2020 Catalog

## Major Requirements (53 credit hours)

### Chemistry (37 credit hours)

<table>
<thead>
<tr>
<th>Completed</th>
<th>Needed</th>
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<tbody>
<tr>
<td>☐ CHEM 1341/1141 – General Chemistry I and laboratory</td>
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<tr>
<td>☐ CHEM 1342/1142 – General Chemistry II and laboratory (CHEM 1341/1141)</td>
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<tr>
<td>☐ CHEM 2343/2143 – Organic Chemistry I and laboratory (CHEM 1342/1142)</td>
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<tr>
<td>☐ CHEM 3333/3133 – Organic Chemistry II and laboratory (CHEM 2343/2143)</td>
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<tr>
<td>☐ CHEM 3334/3134 – Biochemistry and laboratory (CHEM 2343/2143)</td>
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<tr>
<td>☐ CHEM 3343/3143 – Analytical Chemistry and laboratory (CHEM 1342/1142)</td>
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<tr>
<td>☐ CHEM 4331/4131 – Advanced Organic Chemistry and laboratory (CHEM 3333/3133)</td>
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<tr>
<td>☐ CHEM 4332/4132 – Inorganic Chemistry and laboratory (CHEM 3333/3133)</td>
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<tr>
<td>☐ CHEM 4362/4162 – Thermodynamics and Kinetics and laboratory (CHEM 1342/1142; MATH 1431/1432/2343; PHYS 1331/1332 or PHYS 2333/2334)</td>
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<tr>
<td>☐ CHEM 4112 – Scientific Communication (junior or senior standing)</td>
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### Mathematics (8 credit hours) Must take in order.

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<tbody>
<tr>
<td>☐ MATH 1431 – Calculus I</td>
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<tr>
<td>☐ MATH 1432 – Calculus II</td>
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### Physics (8 credit hours) Choose one pair of courses.

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<tbody>
<tr>
<td>☐ PHYS 1331/1111 – General Physics I w/lab</td>
<td>☐ PHYS 2333/2111 – University Physics I w/lab</td>
</tr>
<tr>
<td>☐ PHYS 1332/1112 – General Physics II w/lab</td>
<td>☐ PHYS 2334/2112 – University Physics II w/lab</td>
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## Electives

### Electives to reach the 126 hour minimum to graduate (27 hours)

*This major contains 25 upper-division (3000 or 4000 level) credit hours. 36 upper-division credit hours are required for graduation. Consider additional upper-division options in the core or electives.*

## Totals

### Total undergraduate hours (126 minimum):

**MINIMUM TOTAL: 126+**