### Year 1
#### Fall Semester
- **Course #** | Title | Cr.  
- CHEM 103 | Gen. Chem. I (fa only, Core 1) | 4  
- MATH 205 | Calculus I (fa only, Core 2) | 5  
- ENG 101 | Composition I (Core 3) | 3  
- CORE/CCI* | Inst. Requirement (Core 4) | 3  

**TOTAL** 15

#### Spring Semester
- **Course #** | Title | Cr.  
- CHEM 104 | Gen. Chem. II (sp only, Core 5) | 4  
- MATH 206 | Calculus II (sp only) | 5  
- ENG 102 | Composition II (Core 6) | 3  
- CORE | Inst. Requirement (Core 7) | 3  

**TOTAL** 15

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### Year 2
#### Fall Semester
- **Course #** | Title | Cr.  
- CHEM 307 | Organic Chem I (fa only) | 3  
- CHEM 307L | Organic Chem I Lab (fa only) | 1  
- PHYS 205 | University Physics (fa only) | 5  
- CORE | Inst. Requirement (Core 8) | 3  
- CORE | Inst. Requirement (Core 9) | 3  

**TOTAL** 15

#### Spring Semester
- **Course #** | Title | Cr.  
- CHEM 308 | Organic Chem II (sp only) | 3  
- CHEM 308L | Organic Chem II Lab (sp only) | 1  
- PHYS 206 | University Physics (sp only) | 5  
- CORE | Inst. Requirement (Core 10) | 3  
- ELECTIVE | General Elective | 3  

**TOTAL** 15

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### Year 3
#### Fall Semester
- **Course #** | Title | Cr.  
- CHEM 411/411L | Phys. Chem I w. lab (fa odd) or CHEM elective (ACS = CHEM 429/429L Biochem, fa only) | 3-4  
- CHEM 320 | Quantitative Analysis (fa only) | 4  
- MATH** | MATH 305** (Calc. III, fa only) or Inst. Requirement (Core 11) | 3-4  
- ELECTIVE | General Electives as needed to fulfill required credit hrs | 3-6  

**TOTAL** 13-18

#### Spring Semester
- **Course #** | Title | Cr.  
- CHEM 412/412L | Phys. Chem II w. lab (sp even) or CHEM elective (ACS = CHEM 420 Inst. Analysis, sp only) | 3-4  
- SCIENCE | Science Elective if needed*** (ACS = CHEM 416 Adv. Inorg., sp even) | 0-4  
- CORE | Inst. Requirement (Core 11) or MATH 307** (Linear Alg., sp only) | 3  
- CORE | Inst. Requirement (Core 12) | 3  
- ELECTIVE | General Electives as needed to fulfill required credit hrs | 0-6  

**TOTAL** 12-16

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### Year 4
#### Fall Semester
- **Course #** | Title | Cr.  
- CHEM 4XX | CHEM elective (ACS = CHEM 429/429L Biochem, fa only) or CHEM 411/411L (fa odd) | 3-4  
- CHEM | CHEM Elective (ACS = CHEM 4XX) or General Electives as needed to fulfill req. credit hrs | 3-6  
- CORE | Inst. Requirement (Core 13) | 3  
- CORE | Inst. Requirement (Core 14) | 3  

**TOTAL** 12-16

#### Spring Semester
- **Course #** | Title | Cr.  
- CHEM 4XX | CHEM elective (ACS = CHEM 420, Inst. Analysis, sp only) or CHEM 412/412L (sp even) | 3-4  
- SCIENCE | Science Elective if needed*** (ACS = CHEM 416 Adv. Inorg., sp even) | 0-4  
- CORE | Inst. Requirement (Core 15) | 3  
- ELECTIVES | General Electives as needed to fulfill required credit hrs | 1-6  

**TOTAL** 12-17

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120 total credit hours required for degree  
Important information continues on page 2 of this curriculum guide.
*The Critical Cultural Inquiry (CCI) requirement can be completed by either one value-added foreign language course, an approved study-away or study abroad experience, or one CCI course. One slot should be allotted for CORE/CCI, but students completing the requirement with study abroad, can substitute an elective if necessary to reach 120 hours. If students are continuing a language study, it is preferable to take the course during the first semester of the first year.

**Math: MATH 205/206 and either MATH 305 or 307 are required for major

***Science elective: For the Chemistry major, another 400-level CHEM, GEOL or BIO or 300-level MATH or PHYS should be taken if needed to reach at least 60 hrs in major. The ACS-certified degree requires CHEM 416, 420, 429, 429L + 3 additional hrs at 400-level including CHEM 497; GEOL 403 may substitute as a 400-level Chemistry elective (by permission).

Students planning to attend graduate school should plan on conducting an independent research project (CHEM 497) or participate in a summer research program or internship. Develop a plan for this with your academic adviser.