### 4-YEAR CURRICULAR MAP

#### Bachelor of Science in Chemistry - Biochemistry

**FALL** | **YEAR 1** | **SPRING**
---|---|---
#UK Core CC1 | UK Core CC2 | 3
UK Core NPM (CHE 105: General Chemistry I) | A&S Lab (CHE 113: General Chemistry II Lab | 4
UK Core NPM (CHE 111: General Chemistry I Lab) | MA 114: Calculus II AND MA 194: Supp. Workshop II OR MA 138: Calculus II for Life Sciences | 1
UK Core ACR | BIO 155: Lab for Introductory Biology I | 3

**Total Credits: 15-16**

**FALL** | **YEAR 2** | **SPRING**
---|---|---
UK Core SIR (STA 210: Intro to Statistical Reasoning) | UK Core HUM | 3
MA 213: Calculus III | CHE 226: Analytical Chemistry | 4
PHY 231: General Univ. Physics I | CHE 232: Organic Chemistry II | 4
PHY 241: General Univ. Physics Lab I | PHY 232: General Univ. Physics II | 1
BIO 152: Principles of Biology II | PHY 242: General Univ. Physics II Lab II | 3

**Total Credits: 18**

**FALL** | **YEAR 3** | **SPRING**
---|---|---
UK Core SSC | #Foreign language 101 | 3
A&S HUM | CHE 410G: Inorganic Chemistry | 4
CHE 440G: Introductory Physical Chemistry | CHE 533: Qual. Organic Analysis Lab (If 532 in Fall) 2 (OR 0) | 4
CHE 550: Biological Chemistry I | CHE 552: Biological Chemistry II | 3
CHE 532: Spectrometric Identification of Organic Compounds (OR CHE 422: Instrumental Analysis) | CHE 554: Biological Chemistry Lab | 2

**Total Credits: 15-17**

**FALL** | **YEAR 4** | **SPRING**
---|---|---
#Foreign language 102 | #Foreign language 201 | 4
UK Core CCC | UK Core GDY | 3
A&S SS | CHE 441: Physical Chemistry Lab | 3
CHE 412: Inorganic Chemistry Lab | *CHE Major field option | 2
CHE 372: Communication in Chemistry (GCCR) | CHE 472: Communication in Chemistry (GCCR) | 1
*CHE Major field option | Electives | 2

**Total Credits: 15**

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† Incoming students are strongly encouraged to take WRD 112 to fulfill the CC1 and CC2 requirements if they have any of the following: an ACT English score of 32 or Higher, an SAT Verbal score of 720 or Higher, or an AP English Composition score of 4 or 5. If the student has been accepted into the University Honors Program, the student is required to take WRD 112 to fulfill CC1 and CC2.

‡ Students who have taken at least 2 years of a language in high school can complete the A&S Foreign Language Requirement with 3 college semesters of a different language. Students choosing this option should replace the 4th semester of language with electives. Also note that if you take a foreign language placement exam, you may be exempt from 1 or more of the beginning semesters of that language. In this case, replace the by-passed language courses with electives. Any language sequence may be used to satisfy the foreign language requirements.

◊ 6 hours of 'free' electives - that do not count toward any other requirement - must be taken. Additional electives may be required to reach the required minimum of 120 hours.

**UK Core Abbreviations**

- CC1= Composition and Communication I
- CC2= Composition and Communication II
- QFO= Quantitative Foundations
- SIR= Statistical Inferential Reasoning
- CCC= Community, Culture and Citizenship in U.S.
- GDY= Global Dynamics

**College of Arts & Sciences Abbreviations**

- SS: Social Sciences
- NS: Natural Sciences
- Lab: College Laboratory or Field Experience
- HUM: Humanities

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Updated 2/25/2015