# Bachelor of Science in Biology

## Year 1

### Fall
- **UK Core CC1 (WRD 110)**
- **UK Core QFO (MA 137: Calculus with Life Science Applications or MA113: Calculus I)**
- **UK Core NPM (CHE 105: General College Chemistry I)**
- **UK Core NPM (CHE 111: General Chemistry I Lab)**
- **BIO 148: Introductory Biology I**
- **BIO 155: Lab for Introductory Biology I or BIO 198: Scholars Biology Research**

### Spring
- **UK Core CC2 (WRD 111)**
- **MA 138: Calculus II with Life Science Applications or MA 114: Calculus II**
- **CHE 107: General College Chemistry II**
- **CHE 113: Lab to Accompany General Chemistry II**
- **BIO 152: Principles of Biology II**

Total Credits: 16-17

## Year 2

### Fall
- **BIO 303: Introduction to Evolution OR BIO 304: Principles of Genetics**
- **UK CORE SSC**
- **CHE 230: Organic Chemistry I**
- **CHE 231: Organic Chemistry Lab I**
- **Foreign language 201**

### Spring
- **BIO 303: Introduction to Evolution OR BIO 304: Principles of Genetics**
- **UK Core HUM**
- **CHE 232: Organic Chemistry II**
- **Foreign language 202**
- **Elective (CHE 233)**

Total Credits: 14-16

## Year 3

### Fall
- **PHY 211: General Physics I**
- **UK Core SIR (STA 296 recommended)**
- **Tier 2 BIO Course I (BIO 315)**
- **Tier 2 BIO Course II**

### Spring
- **PHY 213: General Physics II**
- **Tier 2 BIO Course III (BIO 350)**
- **BIO Elective**
- **Elective**

Total Credits: 16

## Year 4

### Fall
- **BIO Elective**
- **BIO Elective**
- **A&S SS**
- **UK Core ACR**
- **UK Core CCC**

### Spring
- **BIO Elective**
- **BIO Elective**
- **A&S HUM/Graduation writing requirement-if BIO 350 not taken**
- **UK Core CCC**
- **UK Core GDY**

Total Credits: 13-14

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**UK Core Abbreviations**
- **HUM** = Intellectual Inquiry in the Humanities
- **NPM** = Intellectual Inquiry in the Natural/Physical/Mathematical Science
- **SSC** = Intellectual Inquiry in Social Sciences
- **ACR** = Intellectual Inquiry in Arts & Creativity
- **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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* 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, instead of CC1 and CC2.

* To be discussed with your academic advisor. Consider pursuing a 2nd major or minor.

‡ 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 - French, German, Greek, or Latin is recommended.

◊ 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. Consider pursuing a 2nd major or minor.

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Updated 5/14/2014