

## 4-YEAR CURRICULAR MAP

# Bachelor of Science in Biology

### YEAR 1

#### FALL

‡UK Core CC1 (WRD 110) OR Foreign language 201  
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

**Total Credits: 16-17**

#### SPRING

UK Core CC2 (WRD 111) OR Foreign language 202  
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: 15-16**

### 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 OR WRD 110

**Total Credits: 14**

#### SPRING

BIO 303: Introduction to Evolution OR BIO 304: Principles of Genetics  
UK Core HUM  
CHE 232: Organic Chemistry II  
‡Foreign language 202 OR WRD 111  
◇ Elective (CHE 233)

**Total Credits: 14-16**

### YEAR 3

#### FALL

PHY 211: General Physics I  
UK Core SIR (STA 296)  
Tier 2 BIO Course I (BIO 315)  
Tier 2 BIO Course II (BIO 325)

**Total Credits: 16**

#### SPRING

PHY 213: General Physics II  
Tier 2 BIO Course III (BIO 350 or 430G)  
\*BIO Elective  
◇ Elective

**Total Credits: 15**

### YEAR 4

#### FALL

\*BIO Elective  
\*BIO Elective  
A&S SS  
UK Core ACR  
UK Core CCC

**Total Credits: 14-15**

#### SPRING

\*BIO Elective  
\*BIO Elective  
BIO 425: Biology Seminar  
UK Core GDY  
A&S HUM

**Total Credits: 16-17**

- ‡ 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 2<sup>nd</sup> 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 4<sup>th</sup> 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 2<sup>nd</sup> major or minor.

#### 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