

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 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.

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