# 4-YEAR CURRICULAR MAP
## Bachelor of Arts in Physics

### FALL YEAR 1
- ‡UK Core CC1 3<br>- UK Core QFO (MA113: Calculus I) 4<br>- UK Core ACR 3<br>- UK Core SSC 3<br>- UK 101 (optional) 1<br>**Total Credits: 14**

### SPRING YEAR 1
- ‡UK Core CC2 3<br>- UK Core SIR (STA 210: Intro to Statistical Reasoning) 3<br>- UK Core NPM (PHY 231: General Univ. Physics I Lab) 1<br>- MA 114: Calculus II 4<br>**Total Credits: 15**

### FALL YEAR 2
- §Foreign language 101 4<br>- A&S NS (PHY 232: General Univ. Physics II) 4<br>- A&S Lab (PHY 242: General Univ. Physics Lab II) 1<br>- MA 213: Calculus III 4<br>- CS 115: Intro. to Programming (OR Related Field Elective) 3<br>**Total Credits: 16**

### SPRING YEAR 2
- §Foreign language 102 4<br>- A&S NS (PHY 228: Optics, Relativity and Thermal Physics) 3<br>- PHY 306: Theoretical Methods of Physics 3<br>- MA 214: Calculus IV (OR Related Field Elective) 3<br>**Total Credits: 16**

### FALL YEAR 3
- §Foreign language 201 3<br>- UK Core CCC 3<br>- A&S HUM 3<br>- PHY 335: Data Analysis for Physicists 2<br>- CHE 105: General Chemistry I 4<br>- MA 322: Matrix Algebra (OR Related Field Elective) 3<br>**Total Credits: 18**

### SPRING YEAR 3
- §Foreign language 202 3<br>- UK Core GDY 3<br>- *300+ Related Field Elective 3<br>- PHY 361: Principles of Modern Physics 3<br>- CHE 107: General Chemistry II 3<br>- PHY 400+ Course 3<br>- PHY 400+ Course 3<br>- 3000+ Elective 3<br>- 3000+ Elective 3<br>**Total Credits: 15**

### FALL YEAR 4
- A&S SS (300+) 3<br>- A&S HUM 3<br>- PHY 300+ Course 3<br>- *300+ Related Field Elective 3<br>- *300+ Related Field Elective 3<br>- ◊300+ Elective 3<br>- ◊300+ Elective 3<br>- ◊300+ Elective 3<br>- ◊300+ Elective 3<br>**Total Credits: 15**

### SPRING YEAR 4
- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>- ◊300+ Elective 6<br>**Total Credits: 18**

‡ Incoming Students are Strongly Encouraged to take WRD 112 to fulfill the CC1 & CC2 requirements if they have any of the following: an ACT English score ≥32, an SAT Verbal score ≥ 720, 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.

* 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.

◊ 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.

• Race and Ethnicity Requirement: The College requires its students to complete an approved race and ethnicity (R&E) course that will address the changing meanings of race and ethnicity across time and space. Students may double-dip courses to satisfy the R&E requirement with any other requirement.

### 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
- GCCR: Graduation Composition and Communication

### College of Arts & Sciences Abbreviations
- SS: Social Sciences
- NS: Natural Sciences
- Lab: College Laboratory or Field Experience
- HUM: Humanities