

## Bachelor of Arts in Physics

FALL	YEAR 1		SPRING
‡UK Core CC1	3	UK Core CC2	3
UK Core QFO (MA113: Calculus I <u>AND</u> MA 193: Supp. Math Workshop I)	5	UK Core SIR (STA 210: Intro to Statistical Reasoning)	3
UK Core ACR	3	UK Core NPM (PHY 231: General Univ. Physics I)	4
UK Core SSC	3	UK Core NPM (PHY 241: General Univ. Physics I Lab)	1
UK 101	1	MA 114: Calculus II <u>AND</u> MA 194: Supp. Math Workshop II	5
<b>Total Credits: 15</b>		<b>Total Credits: 16</b>	
FALL	YEAR 2		SPRING
‡Foreign language 101	4	‡Foreign language 102	4
A&S NS (PHY 232: General Univ. Physics II)	4	UK Core HUM	3
A&S Lab (PHY 242: General Univ. Physics Lab II)	1	A&S NS (PHY 228: Optics, Relativity and Thermal Physics)	3
MA 213: Calculus III	4	PHY 306: Theoretical Methods of Physics	3
CS 115: Intro. to Programming ( <u>OR</u> Related Field Elective)	3	MA 214: Calculus IV ( <u>OR</u> Related Field Elective)	3
<b>Total Credits: 16</b>		<b>Total Credits: 16</b>	
FALL	YEAR 3		SPRING
‡Foreign language 201	3	‡Foreign language 202	3
UK Core CCC	3	UK Core GDY	3
A&S HUM	3	*300+ Related Field Elective	3
PHY 335: Data Analysis for Physicists	2	PHY 361: Principles of Modern Physics	3
CHE 105: General Chemistry I	4	CHE 107: General Chemistry II	3
MA 322: Matrix Algebra ( <u>OR</u> Related Field Elective)	3		
<b>Total Credits: 18</b>		<b>Total Credits: 15</b>	
FALL	YEAR 4		SPRING
A&S SS (300+)	3	A&S SS	3
A&S HUM	3	PHY 435: Intermediate Physics Lab (GCCR)	3
PHY 300+ Course	3	*300+ Related Field Elective	3
PHY 400+ Course	3	*300+ Elective	3
◇300+ Elective	3	◇300+ Elective	6
<b>Total Credits: 15</b>		<b>Total Credits: 18</b>	

‡ 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  $\geq 32$ , an SAT Verbal score  $\geq 720$ , 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 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.
- ◇ 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.

<b>UK Core Abbreviations</b>	CC1= Composition and Communication I
HUM =Intellectual Inquiry in the Humanities	CC2= Composition and Communication II
NPM=Intellectual Inquiry in the Natural/Physical/Mathematical Science	QFO= Quantitative Foundations
SSC=Intellectual Inquiry in Social Sciences	SIR= Statistical Inferential Reasoning
ACR=Intellectual Inquiry in Arts & Creativity	CCC= Community, Culture and Citizenship in U.S.
	GDY= Global Dynamics
	GCCR: Graduation Composition and Communication
<b>College of Arts &amp; Sciences Abbreviations</b>	
SS: Social Sciences	NS: Natural Sciences
Lab: College Laboratory or Field Experience	HUM: Humanities