

Bachelor of Arts in Physics

FALL	YEAR 1		SPRING
‡UK Core CC1	3	‡UK Core CC2	3
MA 113/193: Calculus I (UK Core QFO)	5	MA 114/194: Calculus II	4
UK Core ACR	3	PHY 231: General Univ Physics I (UK Core NPM)	4
UK Core SSC	3	PHY 241: General Univ Physics I Lab (UK Core NPM)	1
		UK Core SIR (STA 210: Intro to Statistical Reasoning)	3
	Total Credits: 14		Total Credits: 16
FALL	YEAR 2		SPRING
‡Foreign language 101	3	‡Foreign language 102	3
PHY 232: General Univ Physics II (A&S Core NPM)	4	UK Core HUM	3
PHY 242: General Univ Physics II Lab (A&S Core Lab)	1	PHY 228: Optics, Relativity and Thermal Physics (A&S NS)	3
MA 213: Calculus III	4	PHY 306: Theoretical Methods of Physics **SP only	3
CS 115: Intro. to Programming (OR Related Field Elective)	3	MA 214: Calculus IV (OR Related Field Elective)	3
	Total Credits: 15		Total Credits: 15
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 *FA only	2	PHY 361: Principles of Modern Physics **SP only	3
CHE 105: General Chemistry I	4	CHE 107: General Chemistry II	3
MA 322: Matrix Algebra (OR Related Field Elective)	3		
	Total Credits: 18		Total Credits: 15
FALL	YEAR 4		SPRING
A&S SS (300+)	3	A&S SS	3
A&S HUM	3	PHY 435: Intermediate Physics Lab (GCCR) **SP only	3
PHY 300+ Course	3	*300+ Related Field Elective	3
PHY 400+ Course	3	*300+ Elective	3
◇300+ Elective	3	◇300+ Elective	3
	Total Credits: 15		Total Credits: 15

- ‡ 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.
- Many People, One Community: The college of Arts & Sciences requires its students to complete an approved course related to Many People, One Community. Students may double-dip courses to satisfy the MPOC requirement with any other requirement, e.g. UK Core, college requirements (except the A&S Electives), or major requirements.

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