5-YEAR CURRICULAR MAP

Bachelor of Science in Physics
Bachelor of Arts in Hispanic Studies

UNIVERSITY OF KENTUCKY
College of Arts and Sciences

FALL		YEAR 1	SPRING
‡UK Core CC1	3	UK Core CC2	3
UK Core QFO (MA113: Calculus I AND MA 193: Supp. Math Workshop I)	5	MA 114: Calculus II AND MA 194: Supp. Math Workshop II	5
UK Core NPM (PHY 231: General Univ. Physics I)	4	PHY 228: Optics, Relativity and Thermal Physics	3
UK Core NPM (PHY 241: General Univ. Physics Lab I)	1	CHE 107: General Chemistry II	3
CHE 105: General Chemistry I	4	CS 115: Intro to Programming (OR 200+ Related Elective)	3
Total Credits: 17		**Total Credits: 17**	

FALL		YEAR 2	SPRING
Language 101	4	Language 102	4
A&S NS (PHY 232: General Univ. Physics II)	4	UK Core SIR (STA 210: Intro to Statistical Reasoning)	3
A&S Lab (PHY 242: General Univ. Physics Lab II)	1	MA 214: Calculus IV	3
PHY 335: Data Analysis for Physicists	1	PHY 306: Theoretical Methods of Physics	3
MA 213: Calculus III	4	PHY 361: Principles of Modern Physics	3
Total Credits: 14		**Total Credits: 16**	

FALL		YEAR 3	SPRING
Lang 201	3	SPA 210	3
Language 202	3	SPA 211	3
PHY 404G: Mechanics	3	UK Core GDY	3
PHY 416G: Electricity and Magnetism I	3	PHY 417G: Electricity and Magnetism II	3
MA 322: Matrix Algebra (OR 200+ Related Elective)	3	AST/PHY 395, PHY 435 or PHY 508	3
Total Credits: 15		**Total Credits: 15**	

FALL		YEAR 4 Abroad	SPRING
SPA 310	3	Language Course 3	3
Language Course 1	3	Language Courses 4-7: Internship (SPA classes 5-8) [12 credits]	
Language Course 2	3		
A&S SS	3		
A&S Social Science 200+ (Outside PHY)	3		
Total Credits: 15		**Total Credits: 15**	

FALL		YEAR 4	SPRING
UK Core ACR	3	UK Core CCC	3
PHY 402G: Electronic Instrumentation (OR Additional Physics Lab Requirement)	3	PHY 521: Introduction to Quantum Mechanics II	3
PHY 520: Introduction to Quantum Mechanics	3	PHY 535 (GCCR): Advanced Physics Laboratory	3
Language Course 8	3	UK Core HUM: Language Course 10 (SPA 371/372)	3
Language Course 9: SPA 323 (GCCR)	3	UK Core SSC	3
Total Credits: 15		**Total Credits: 15**	

‡ 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 to fulfill CC1 and CC2.

UK Core Abbreviations	
HUM =Intellectual Inquiry in the Humanities	CC1= Composition and Communication I
NPM=Intellectual Inquiry in the Natural/Physical/Mathematical Science	CC2= Composition and Communication II
SSC=Intellectual Inquiry in Social Sciences	QFO= Quantitative Foundations
ACR=Intellectual Inquiry in Arts & Creativity	SIR= Statistical Inferential Reasoning
	CCC= Community, Culture and Citizenship in U.S.
	GDY= Global Dynamics

Updated 10/10/2016

			GCCR = Graduation Composition and Communication
SS: Social Sciences	NS: Natural Sciences	Lab: College Laboratory or Field Experience	HUM: Humanities