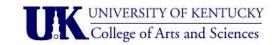
4-YEAR CURRICULAR MAP

Bachelor of Science in Physics BA in MCL



DA III WICE				
FALL	YEA	AR 1 SPR	ING	
‡UK Core CC1	3	UK Core CC2	3	
UK Core QFO (MA113: Calculus I <u>AND</u> MA 193: Supp.		MA 114: Calculus II <u>AND</u> MA 194: Supp. Math		
Math Workshop I)	5	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 (<u>OR</u> 200+ Related Elective)	3	
Total Credits: 17		Total Credits	:: 17	
FALL	YEA	AR 2 SPR	ING	
¤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	
MCL 200		Total Credits	: 16	
Total Cred				
FALL	YEA	AR 3 SPRI	ING	
¤ Lang 201	3	¤ Language 202	3	
UK Core GDY Language Course 1	3	UK Core HUM: MCL 100	3	
PHY 404G: Mechanics	3	UK Core SSC- MCL Cross Cultural	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 Cred	lits: 15	Total Credits	: 15	
FALL YEAR 4 Abroad				
SPRING				
Language Course 2	3	Language Course 5	3	
Language Course 3	3	Language Courses 6-9: Internship [12 credi	ts]	
Language Course 4	3			
A&S Social Science	3			
Total Cred	lits: 12	Total Credits	: 15	
FALL	YEA	AR 4 SPRI	ING	
UK Core ACR	3	UK Core CCC	3	
♦ Elective MCL 495 (GCCR)	3	A&S HUM (PHI 200+)	3	
PHY 402G: Electronic Instrumentation (OR Additional		PHY 521: Introduction to Quantum Mechanics II	3	
Physics Lab Requirement)	3	PHY 535 (GCCR): Advanced Physics Laboratory	3	
PHY 520: Introduction to Quantum Mechanics	3	A&S SS	3	
Language Course 10	3			
Total Cred	lits: 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	CC1= Composition and Communication I
HUM =Intellectual Inquiry in the Humanities	CC2= Composition and Communication II
NPM=Intellectual Inquiry in the Natural/Physical/Mathematical	QFO= Quantitative Foundations
Science	SIR= Statistical Inferential Reasoning

SSC=Intellectual Inquiry in Social Sciences		y in Social Sciences	CCC= Community, Culture and Citizenship in U.S.			
	ACR=Intellectual Inquir	y in Arts & Creativity	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			