CURRICULUM GUIDE

Physics, B.S. (Teaching Concentration)

2023-2024

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The schedule below is an **EXAMPLE** of how you can arrange your class schedule. Please consult your advisor for specific changes that may need to be made.

	Fall Semester		Spring Semester	
Freshman	SCO 100P	1	CHE 112	3
riesiiiiaii	^G CHE 111 (fulfills Gen. Ed. 4)	3	CHE 112L	1
Year	CHE 111L	1	MAT 244	4
	S MAT 234 (fulfills Gen. Ed. 2)	4	G SED 104 (fulfills Gen. Ed. 6)	3
	• Gen. Ed. 1A (<i>ENG 101</i>)	3	③ Gen. Ed. 1B (<i>ENG 102</i>)	3
	Gen. Ed. 3A (Arts)	3	Gen. Ed. 5B (Soc. & Behav. Sci.)	3
	GCII. Ed. 37 (7172)	3	Och. Ed. 35 (30c. & Behav. 3ci.)	3
	TOTAL	15	TOTAL	17
Sophomore	CED 100	0	AST 135	3
_	EDF 203	3	^G BIO 100 <u>or</u> 102 (fulfills Gen. Ed. 4)	3
Year	PHY 201 <u>or</u> 131	5	CED 200	0
	Gen. Ed. 1C (Oral Comm.)	3	EDF 219	3
	Gen. Ed. 5A (<i>History</i>)	3	PHY 202 <u>or</u> 132	5
	Free Elective	3		
	30 hrs complete + apply to	16		
	professional education program			
	TOTAL	17	TOTAL	14
Junior	AST 335	3	CED 400	0.5
Year	CED 300	0.5	EDF 413	3
Tear	EDC 300	3	EMS 490 (spring only)	3
	EDF 204	2	PHY 211 (spring only)	4
	EMS 300	3	PHY 406	3
	PHY 302	4	† PHY Elective (300 level or above)	3
	TOTAL	15.5	TOTAL	16.5
Senior	CED 450	1	CED 499	9
	ESE 561	3	EMS 474	3
Year	Gen. Ed. 3B (<i>Humanities</i>)	3		
	Gen. Ed. 6 (<i>Diversity</i>)	3		
	Free Elective	3		
	Free Elective	3		
	APPLY FOR STUDENT TEACHING			
	ALLE FOR STODERS TEACHING			
	TOTAL	16	TOTAL	12
TOTAL HOURS TO DEGREE COMPLETION 120				

^{*} PREREQUISITES: Consult with your advisor and/or the University catalog regarding prerequisites for upper division PHY courses. MAT 122, 234, and/or 244; CHE 111/111L. See University catalog for details.

Upper division courses: All students are required to have a minimum of 42 hrs. upper division (300-level or above) courses distributed throughout major/Supporting/Gen Ed/Free Electives categories. If 300-level classes are taken for Gen. Ed., they can be used to fulfill the 42 hours instead of upper division free electives.

Refer to the University Catalog at $\underline{\text{http://www.catalogs.eku.edu/}}$ regarding University and General Education Requirements.

Course Course Nan	Course Name			
Number				
GENERAL EDUCATION & UNIVERSITY REQUIREMENTS				
(37)				
SCO 100P Student Success Se	minar for Physics (1)			
CORE COURSE REQUIREMENTS (21)				
PHY 201 or University Physics	s I (5)			
PHY 131 College Physics I (College Physics I (5)			
PHY 202 <u>or</u> University Physics	s II <i>(5)</i>			
PHY 132 College Physics II	(5)			
PHY 211 Intermediate Phy	sics (4) (spring only)			
PHY 302 Modern Physics (4	4)			
PHY 406 Advanced Physics Lab (3)				
PHYSICS TEACHING CONCENTRATION REQUIREMENTS (9)				
AST 135 Introductory Astro	onomy (3)			
AST 335 Stars, Blackholes:	• • •			
†PLUS THREE (3) HOURS of PHY courses				
above.				
SUPPORTING COURSE REQUIREMENTS (10)				
· · · · · · · · · · · · · · · · · · ·	, ,			
* ^G BIO 100 <u>or</u> Introductory Biolo				
* ⁶ BIO 102 Inquiry Biology fo	• •			
* GCHE 111 General Chemistr	• • •			
CHE 111L General Chemistr				
CHE 112 General Chemistr	• • •			
CHE 112L General Chemistr € MAT 234 Calculus I (4)	y Lab II (1)			
	kan canaurranth			
Bracketed items must be taken concurrently				
PROFESSIONAL EDUCATION REQUIREMENTS (37)				
EDC 300 Differentiation Inclusive	٠,			
EDF 203 Philosophical & Histor	` '			
EDF 204 Emerging Instructiona				
EDF 219 Human Development	- · ·			
EDF 413 Assessment in Educati	` '			
EMS 300W Curriculum & Instructi	0 1 /			
EMS 474 Teaching Content Read				
	Management in P-12 (3)			
	e Secondary Schools (3)			
G SED 104 Introduction to Special Education (3)				
PLUS TWELVE (12) HOURS of Clinical Experiences to include:				
CED 100 Clinical I: Intro to the I	• •			
CED 200 Clinical II: Understand				
CED 300 Clinical III: curriculum				
CED 400 Clinical IV: Diagnosis 8	• • •			
CED 450 Clinical V: Practicing To	•			
CED 499 Supervised Student Te	eaching P-12 (9)			
FREE ELECTIVES (9)				

⁶ Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.

[§] A preparatory course in mathematics may be required before admission to MAT 234.