Roadmap: Integrated Science - Physics - Bachelor of Science in Education
EH-BSE-ISCI-PHY

Education, Health and Human Services School of Teaching, Learning and Curriculum Studies

Catalog Year: 2015-2016

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designed as critical (!) must be completed in the semester listed to ensure a timely graduation.

Critical	Course Subject and Title	Credit	Min.	Major	Attribute	Notes
Semeste	er One [15 Credits]	Hours	Grade	GPA		
CIIICSIC	CHEM 10060 General Chemistry I	4	С		KBS	
	CHEM 10062 General Chemistry I Laboratory	1	С		KBS	
	MATH 11010 Algebra for Calculus	3	0	-	KMC	
	PSYC 11762 General Psychology	3			DD/KSS	
	US 10097 Destination Kent State: First Year Experience ¹	1			DD/ROO	
	Kent Core Requirement	3				
ameste	er Two [14 Credits]	3				
	ss Praxis Core Reading (score 156), Writing (score 162) and Ma	athematics (sc	ore 150\			
!	CULT 29535 Education in a Democratic Society	3	C			
•	CHEM 10061 General Chemistry II	4	C		KBS	
	CHEM 10063 General Chemistry II Laboratory	1	C		KBS	
	MATH 11022 Trigonometry	3	C	-	KMC	
	SOC 12050 Introduction to Sociology	3			DD/KSS	
omosto	or Three [17Credits]	3			DD/R33	
emeste !	PHY 23101 General University Physics I	5	С	_	KBS	
	CHEM 20481 Basic Organic Chemistry I	4	C		VDS	
	MATH 12002 Analytic Geometry and Calculus I	5	U	-	KMC	
	Kent Core Requirement	3			KIVIC	
omoste	er Four [17 Credits]	3				
	MATH 12003 Analytic Geometry and Calculus II	5	С			
! !		5	C		VPC	
	PHY 23102 General University Physics II BSCI 10110 Biological Diversity	4	C	-	KBS KBS	
	,	3	C	-	DG/KHU	
	PHIL 11001 Introduction to Philosophy	3			DG/KHU	
	er Five [17 Credits]		0.000	CDA		
equiren	ment: minimum 2.750 cumulative GPA required by end of term		_		KDC	
	BSCI 10120 Biological Foundations	4	С	•	KBS	
	EPSY 29525 Educational Psychology	3	С	_	KDC	
	GEOL 11040 How the Earth Works	3	С	•	KBS	
	GEOL 11041 How the Earth Works Laboratory	1	С		KBS	
	PHY 21430 Frontiers in Astronomy	3	С		KBS	
	Kent Core Requirement	3				
	er Six [15 Credits]					
tequiren	ment: minimum 2.750 cumulative GPA and minimum 2.600 majo	004				
	ply online and be accepted for Advanced Study by the second	Friday of the to			WIC	
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Roadmap: Integrated Science - Physics - Bachelor of Science in Education EH-BSE-ISCI-PHY

Education, Health and Human Services

School of Teaching, Learning and Curriculum Studies Catalog Year: 2015-2016

Critical	Course Subject and Title	Credit Hours	Min. Grade	Major GPA	Attribute	Notes
Semeste	Nine [13-14 Credits]					
Requiren	nent: minimum 2.750 cumulative GPA and minimum 2.600 major	GPA				
!	ADED 42277 Topics in Secondary School Science Teaching	3	С			
!	ADED 42292 Field Work Practicum	3	С		ELR	
	CHEM 40567 Basic Concepts of Physical Chemistry	4	С			
	PHY 32511 Electronics (4) or PHY 36002 Applications of Modern Physics (3)	3-4	С	•		
Semeste	r Ten [12 Credits]					
Requiren	nent: minimum 2.750 cumulative GPA and minimum 2.600 major	GPA				•
!	ADED 42357 Secondary Student Teaching	9	S		ELR	
!	ADED 49525 Inquiry into Professional Practice	3	С			

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Minimum		
Willimum Total Hours	30000 - 40000 level course	William Rent Core Hours	Major GPA	Overall GPA	
148	39	36	2.600	2.750	

US 10097 is not required of transfer students with 25 credits (excluding College Credit Plus and dual-enrollment credit) or students age 21+ at time of admission.

Special Major Notes:

- Minimum C grade must be earned in both Kent Core Composition courses.
- The Integrated Science major is designed to be completed in five years.
 - Licensure Requirement (not required for graduation):

 Candidates seeking Ohio licensure are required to pass specific assessments in order to apply for licensure. See Ohio Department of Education-Educator Preparation website for more information on assessments specific to licensure type. Taking and passing the licensure tests prior to graduation is encouraged but not required.

University Requirements: Bachelor's degree-seeking students must meet Kent Core (general education requirements), diversity, writing-intensive and experiential learning requirements. For more information about these requirements, please read the following sections in the University Catalog: Kent Core – www.kent.edu/catalog/kent-core; Diversity Course Requirement – www.kent.edu/catalog/kent-core; Experiential Learning Requirement – www.kent.edu/catalog/wic; Experiential Learning Requirement – www.kent.edu/catalog/elr.

Attribute Legend: DD Diversity–Domestic; DG Diversity–Global; ELR Experiential Learning; KAD Kent Core Additional; KBS Kent Core Basic Sciences; KCM Kent Core Composition; KFA Kent Core Fine Arts: KHU Kent Core Humanities; KMC Kent Core Mathematics and Critical Reasoning; KSS Kent Core Social Sciences; WIC Writing Intensive