Roadmap: Earth Science - Bachelor of Science in Education
EH-BSE-ESCI
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 Hours	Min. Grade	Major GPA	Attribute	Notes
Semester One [18 Credits]						
!	**GEOL 11040 How the Earth Works**	**3**	**C**	■	**KBS**	
!	**GEOL 11041 How the Earth Works Laboratory**	**1**	**C**	■	**KBS**	
	BSCI 10110 Biological Diversity	4	C	■	KBS	
	MATH 11010 Algebra for Calculus	3			KMC	
	PSYC 11762 General Psychology	3			DD/KSS	
	US 10097 Destination Kent State: First Year Experience [1]	1				
	Kent Core Requirement	3				
Semester Two [19 Credits]						
Requirement: pass Praxis Core Reading (156 score), Writing (162 score) and Mathematics (150 score)						
!	**CULT 29535 Education in a Democratic Society**	**3**	**C**			
!	**EPSY 29525 Educational Psychology**	**3**	**C**			
	GEOL 11042 Earth and Life Through Time	3	C	■	KBS	
	GEOL 11043 Earth and Life Through Time Laboratory	1	C	■	KBS	
	MATH 11022 Trigonometry	3			KMC	
	SOC 12050 Introduction to Sociology	3			DD/KSS	
	Kent Core Requirement	3				
Semester Three [17 Credits]						
Requirement: minimum 2.750 cumulative GPA by end of term; minimum 2.600 major GPA						
!	**MATH 12002 Analytic Geometry and Calculus I**	**5**			**KMC**	
	BSCI 10120 Biological Foundations	4	C	■	KBS	
	CHEM 10060 General Chemistry I	4	C	■	KBS	
	CHEM 10062 General Chemistry I Laboratory	1	C	■	KBS	
	Kent Core Requirement	3				
Semester Four [17 Credits]						
Requirement: minimum 2.750 cumulative GPA; minimum 2.600 major GPA						
Note: apply online for Advanced Study before the second Friday of the term						
	CHEM 10061 General Chemistry II	4	C	■	KBS	
	CHEM 10063 General Chemistry II Laboratory	1	C	■	KBS	
	GEOL 21080 All About the Oceans	3	C	■	KBS	
	MATH 10041 Introductory Statistics (4) or MATH 30011 Basic Probability and Statistics (3)	3			KMC	
	PHIL 11001 Introduction to Philosophy	3			DG/KHU	
	Kent Core Requirement	3				
Semester Five [18 Credits]						
Requirement: minimum 2.750 cumulative GPA; minimum 2.600 major GPA						
!	**ADED 32142 Principles of Teaching Adolescents**	**3**	**C**		**WIC**	
!	**ITEC 19525 Educational Technology**	**3**	**C**			
	GEOG 31062 Fundamentals of Meteorology	3	C	■		
	GEOL 23063 Earth Materials I	4	C	■		
	PHY 13001 General College Physics I	4	C	■	KBS	
	PHY 13021 General College Physics Laboratory I	1	C	■	KBS	
Semester Six [18 Credits]						
Requirement: minimum 2.750 cumulative GPA; minimum 2.600 major GPA						
!	**ADED 32277 Teaching Science in Secondary Schools**	**3**	**C**			
	GEOG 31064 Principles of Climatology	3	C	■		
	GEOG 41073 Conservation of Natural Resources	3	C	■		
	GEOL 31070 Earth Materials II or GEOL 32066 Geomorphology	4	C	■		
	PHY 13002 General College Physics II	4	C	■	KBS	
	PHY 13022 General College Physics Laboratory II	1	C	■	KBS	
Semester Seven [15 Credits]						
Requirement: minimum 2.750 cumulative GPA; minimum 2.600 major GPA						
!	**ADED 42277 Topics in Secondary School Science Teaching**	**3**	**C**			
!	**ADED 42292 Field Work Practicum**	**3**	**C**		**ELR**	
	CI 47330 Reading and Writing in Adolescence/Adulthood	3	C			
	PHY 21430 Frontiers in Astronomy	3	C	■	KBS	
	SPED 23000 Introduction to Exceptionalities	3	C		DD	

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Semester Eight [Credits]						
Requirement: minimum 2.750 cumulative GPA; minimum 2.600 major GPA						
!	**ADED 42357 Secondary Student Teaching**	**9**	**S**		**ELR**	
!	**ADED 49525 Inquiry into Professional Practice**	**3**	**C**			

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours 30000 – 40000 level course	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
134	39	36	2.600	2.750

1. 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.

Notes on Licensure:

1. 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.

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/diversity; Writing-Intensive Course 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