



KENTUCKY STATE UNIVERSITY

BIOLOGY EDUCATION - BACHELOR OF SCIENCES

Program Description

The Biology Education programs offers graduates the qualifications to educate students on the secondary level, grades 7-12

Program Standards

NSTA (National Science Teaching Association)

- Standard 1: Content
- Standard 2: Nature of Science
- Standard 3: Inquiry
- Standard 4: Issues
- Standard 5: General Skills of Teaching
- Standard 6: Curriculum
- Standard 7: Science in the community
- Standard 8: Assessment
- Standard 9: Safety and Welfare
- Standard 10: Professional Growth

Course	Title	Hours
Year 1		
Term 1 (Fall)		
BIO 111	Principles of Biology	4
MAT 120	Precalculus	4
CHE 101	General Chemistry I	3
CHE 110	General Chem I Laboratory	1
ENG 101	English Comp I	3
KSU 118	Intro. to University Learning	3
Hours		18
Term 2 (Spring)		
CHE 102	General Chemistry II	3
CHE 120	General Chemistry II Lab	1
BIO 210	General Zoology	3
ENG 102	English Comp II	3
EDU 204	Cultural Responsiveness	3
COM 103	Interpersonal Communication	3
Hours		16
Year 2		
Term 3 (Fall)		
BIO 212	General Botany	3
EDU 202	Found of Teaching and Educ	3
EDU 203	Intro to Tech. in Education	3

PHY 207	Physics In Biological Sci I	4
Select one of the following:		3
FIN 101	Financial Literacy	
ECO 201	Prin of Economics I	
Hours		16
Term 4 (Spring)		
BIO 302	General Microbiology	4
EDU 302	Child & Adolescent Dev	3
EDU 304	Classroom & Learning Manage	3
PHY 208	Physics In Biological Sci II	4
Select one of the following:		3
PSY 200	General Psychology	
SOC 203	Principles of Sociology	
Hours		17
Year 3		
Term 5 (Fall)		
BIO 316	Ecology	4
BIO 307	Genetics	4
EDU 303	Educational Assessment/Eval	3
EDU 310	Intro Exceptional Edu	3
Select one of the following:		3
ART 130	Introduction to Art	
MUS 130	Introduction to Music	
THE 130	Introduction to Theatre	
ENG 211	Intro to Literature	
Hours		17
Term 6 (Spring)		
BIO 303	Human Physiology	4
BIO 408	Cell Biology	4
BIO 410	Special Problems Biology	2
EDU 450	Clinical Education Experience	6
Hours		16
Year 4		
Term 7 (Fall)		
BIO 401	Biology Seminar	1
EDU 413	Teaching High Sch Science	3
EDU 445	Teach HS Reading in Cont Area	3
Select one of the following:		3
BIO 301	Human Anatomy	
BIO 315	Immunology	
BIO 407	Fish Genetics	
BIO 415	Animal Behavior	
Select one General Educational Global/Civic Course		3
AFE 117	Global Perspect Ag/Food/Env	
ASP 303	American Civil Rights Movement	
POS 101	American Government	
POS 361	World Politics	
Hours		13
Term 8 (Spring)		
EDU 454	Undergraduate Student Teaching	12
Hours		12
Total Hours		125