



**KENTUCKY STATE
UNIVERSITY**

BACHELOR OF SCIENCE IN MATHEMATICS -PRE- ENGINEERING BIOSYSTEMS TRACK IS CLOSED TO NEW ENROLLMENT AS OF JULY 1, 2023.

Course	Title	Hours
Term 1 (Fall)		
MAT 131	Calculus/Analy Geom I	5
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		15
Term 2 (Spring)		
MAT 132	Calculus/Analy Geom II	5
CHE 102	General Chemistry II	3
CHE 120	General Chemistry II Lab	1
ENG 102	English Comp II	3
Hours		12
Term 3 (Fall)		
MAT 231	Multivariate Calculus	3
PHY 211	General Physics I	5
CHE 301	Organic Chemistry I	3
COS 108	Prin Computer Science I	4
COM 103	Interpersonal Communication	3
Hours		18
Term 4 (Spring)		
MAT 232	Differential Equations	3
PHY 212	General Physics II	5
BIO 111	Principles of Biology	4
EDU 204	Cultural Responsiveness	3
Hours		15
Term 5 (Fall)		
Select one of the following:		3
MAT 315	Numerical Analysis	
MAT 321	Probability/Statistics I	
MAT 333	Complex Variables	
PHY 311	Statics	3
PHY 320	Engineering Thermodynamics	3
Select one of the following:		3
ART 130	Introduction to Art	
ENG 211	Intro to Literature	
MUS 130	Introduction to Music	
THE 130	Introduction to Theatre	
Select one of the following:		3

FIN 101	Financial Literacy	
ECO 201	Prin of Economics I	
Hours		15
Term 6 (Spring)		
PHY 350	Electrical Circuits I	4
PHY 390	Special Topics in Physics	3
Guided Elective ¹		3
Select one of the following:		3
PSY 200	General Psychology	
SOC 203	Principles of Sociology	
POS 101	American Government	3
Hours		16
Term 7 (Fall)		
Students complete years four and five at the University of Kentucky as part of a 3-2 program		
Hours		0
Term 8 (Spring)		
Students complete years four and five at the University of Kentucky as part of a 3-2 program		
Hours		0
Total Hours		91