



**KENTUCKY STATE
UNIVERSITY**

MATHEMATICS BACHELOR OF SCIENCE - PRE-ENGINEERING BIOSYSTEMS TRACK (CLOSED TO NEW ENROLLMENT JULY 1, 2023)

Arts and Humanities	3
Guided Elective ¹	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	95

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	4
KSU 118	Intro. to University Learning	3
Hours		16
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
KSU 186	Navigate. the Tech. World	3
Hours		15
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
Arts and Humanities		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
Arts and Humanities		3
Social/Behavioral		3
Hours		15
Term 6 (Spring)		
PHY 350	Electrical Circuits I	4
PHY 390	Special Topics in Physics	3
Social/Behavioral		3