



**KENTUCKY STATE  
UNIVERSITY**

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

Course	Title	Hours
<b>Term 1 (Fall)</b>		
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
<b>Hours</b>		<b>15</b>
<b>Term 2 (Spring)</b>		
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
<b>Hours</b>		<b>12</b>
<b>Term 3 (Fall)</b>		
MAT 231	Multivariate Calculus	3
PHY 211	General Physics I	5
COS 108	Prin Computer Science I	4
COM 103	Interpersonal Communication	3
BIO 101	Life Science	3
<b>Hours</b>		<b>18</b>
<b>Term 4 (Spring)</b>		
MAT 232	Differential Equations	3
PHY 212	General Physics II	5
COS 109	Prin Computer Sci II	4
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	
<b>Hours</b>		<b>15</b>
<b>Term 5 (Fall)</b>		
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
POS 101	American Government	3
Select one of the following:		3

FIN 101	Financial Literacy	
ECO 201	Prin of Economics I	
<b>Hours</b>		<b>15</b>
<b>Term 6 (Spring)</b>		
PHY 350	Electrical Circuits I	4
PHY 390	Special Topics in Physics	3
Select one of the following:		3
PSY 200	General Psychology	
SOC 203	Principles of Sociology	
EDU 204	Cultural Responsiveness	3
Guided Elective		3
<b>Hours</b>		<b>16</b>
<b>Term 7 (Fall)</b>		
Students complete years four and five at the University of Kentucky as part of a 3-2 program		
<b>Hours</b>		<b>0</b>
<b>Term 8 (Spring)</b>		
Students complete years four and five at the University of Kentucky as part of a 3-2 program		
<b>Hours</b>		<b>0</b>
<b>Total Hours</b>		<b>91</b>