



**KENTUCKY STATE  
UNIVERSITY**

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

Natural Science	3
<b>Hours</b>	<b>15</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>94</b>

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	4
KSU 118	Intro. to University Learning	3
<b>Hours</b>		<b>16</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
KSU 186	Navigate. the Tech. World	3
<b>Hours</b>		<b>15</b>
<b>Term 3 (Fall)</b>		
MAT 231	Multivariate Calculus	3
PHY 211	General Physics I	5
CHE 301	Organic Chemistry I	3
CHE 310	Organic Chemistry I Lab.	1
CHE 407	Physical Chemistry I <sup>1</sup>	4
<b>Hours</b>		<b>16</b>
<b>Term 4 (Spring)</b>		
MAT 232	Differential Equations	3
PHY 212	General Physics II	5
CHE 302	Organic Chemistry II	3
CHE 320	Organic Chemistry II Lab	1
CHE 409	Physical Chemistry II <sup>2</sup>	4
<b>Hours</b>		<b>16</b>
<b>Term 5 (Fall)</b>		
PHY 320	Engineering Thermodynamics	3
COS 108	Prin Computer Science I	4
SPE 103	Interpersonal Communication	3
Arts and Humanities		3
Social/Behavioral		3
<b>Hours</b>		<b>16</b>
<b>Term 6 (Spring)</b>		
Arts and Humanities		3
Arts and Humanities		3
Social/Behavioral		3
Guided Elective <sup>3</sup>		3