



KENTUCKY STATE UNIVERSITY

MATHEMATICS BACHELOR OF SCIENCE - PRE-ENGINEERING MATERIALS TRACK (CLOSED TO NEW ENROLLMENT 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	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
Natural Science		3
Hours		18
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
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	
	98

Students interested in engineering should note that, due to possible changes in the engineering Accreditation standards and possible curriculum changes at the University of Kentucky, some courses in the curriculum may change periodically. It is essential that students interested in engineering maintain close contact with the Pre-engineering advisors in the School of Science, Technology, Engineering, and Mathematics.