

# UA Rich Mountain - Advising Guide

## U of A STEM Prep Program - [stemprep.uark.edu](http://stemprep.uark.edu)

	STEM Prep	Done	Curr	To do	Required for Degree														
					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG						
<b>English (6 hours)</b>																			
ENG 113 English Composition I		___	___	___	3	3	3	3	3	3	3	3	3	3					
ENG 123 English Composition II		___	___	___	3	3	3	3	3	3	3	3	3	3					
<b>Communications (3 hours)</b>																			
GNEG 1103 Introduction to Engineering (U of A course)	X	___	___	___	3	3	3	3	3	3	3	3	3	3					
SPC 203 Oral Communications		___	___	___				3	3										
<b>Mathematics (12 hours)</b>																			
MTH 245 Calculus I	X	___	___	___	4	4	4	4	4	4	4	4	4	4					
MTH 255 Calculus II	X	___	___	___	4	4	4	4	4	4	4	4	4	4					
MATH 2574 Calculus II (U of A course)	X	___	___	___	4		4		4	4	4	4	4	4					
<b>Science (16 hours)</b>																			
CHM 114 General Chemistry I		___	___	___	3	3	3	3	3	3	3	3	3	3					
CHM 124 General Chemistry II w/ lab		___	___	___	4	4	4	4*	4*	4*	4*	4*	4*	4*					
CHM 144 General Organic & Biochemistry		___	___	___	4	3*								4*					
BIO 104 Biological Science		___	___	___	4	4		4*	4*			4*	3*	4*					
BIO 134 Anatomy & Physiology		___	___	___	4*	4	3*	4*	4*			4*	3*	4*					
BIO 204 Microbiology and Immunology		___	___	___	4	3*				4									
BIO 214 General Zoology		___	___	___				4*	4*										
<b>Humanities and Social Science (15-18 hours)</b>																			
<b>US History/Government (3 hours)</b>										3	3	3	3	3	3	3	3	3	3
PSI 103 American National Government		___	___	___															
HIS 213 U.S. History I		___	___	___															
HIS 223 U.S. History II		___	___	___															
<b>Economics (3-6 hours):</b>										3	3	3	3	3	3	3	6	3	
ECN 203 Microeconomics		___	___	___															
ECN 213 Macroeconomics		___	___	___															
<b>Social Science (3-6 hours)</b>										6	6	6	6	6	6	6	3	6	
ANT 213 Cultural Anthropology		___	___	___															
GEO 103 Regional Geography of the World		___	___	___															
HIS 213 U.S. History I		___	___	___															
HIS 223 U.S. History II		___	___	___															
SOC 103 Introduction to Sociology		___	___	___															
SOC 113 Social Problems		___	___	___															
PSI 103 American National Government		___	___	___															
HIS 143 World Civilization to 1500		___	___	___															
HIS 153 World Civilization from 1500		___	___	___															
PSY 203 General Psychology		___	___	___															
<b>Fine Arts (3 hours)</b>										3	3	3	3	3	3	3	3	3	
ART 143 Art Appreciation		___	___	___															
MUS 203 Music Appreciation		___	___	___															
DRA 203 Theatre Arts Appreciation		___	___	___															
<b>Humanities (0-3 hours)</b>										3	3	3	0	0	3	3	3	3	
Any intermediate I foreign language		___	___	___															
PHI 203 Philosophy		___	___	___															
ENG 223 World Literature I		___	___	___															
ENG 233 World Literature II		___	___	___															
<b>Technical Electives</b>																			
CSCE 2004 Programming Foundations I (U of A course)	X	___	___	___				4	4			4							

**Notes:**

All courses have been evaluated by the University of Arkansas College of Engineering. Courses taken outside of these courses are not guaranteed to transfer. The number of hours correspond to the number of hours need by each degree program. Classes listed in multiple sections will only count in one section. Always check [courseequivalency.uark.edu](http://courseequivalency.uark.edu) for updated course information.  
 \*Indicates an elective. If there are multiple in a section, choose one.

BENG	Biological Eng	CVEG	Civil Eng
BMEG	Biomedical Eng	ELEG	Electrical Eng
CHEG	Chemical Eng	INEG	Industrial Eng
CompS	Computer Science	MEEG	Mechanical Eng
CompE	Computer Eng		