

UA Rich Mountain - Advising Guide

U of A STEM Prep Program - stemprep.uark.edu

	STEM Prep	Done	Curr	To do	Required for Degree										
English (6 hours)					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
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	
Communications (3 hours)					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
GNEG 1103 Introduction to Engineering (U of A course)	X	___	___	___	3	3	3	3	3	3	3	3	3		
DASC 10003 Intro to Data Science	X	___	___	___				3	3					3	
Mathematics (12 hours)					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
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		
Science (8-16 hours)					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
CHM 114 General Chemistry I		___	___	___	3	3	3	3	3	3	3	3	3	4	
CHM 124 General Chemistry II w/ lab		___	___	___		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*	4*	
Humanities and Social Science (15-18 hours)					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
US History/Government (3 hours)					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		___	___	___											
Economics (3-6 hours):					3	3	3	3	3	3	3		3		
ECN 203 Microeconomics		___	___	___											
ECN 213 Macroeconomics		___	___	___								3			
Social Science (3-6 hours)					6	6	6	6	6	6	6	3	6	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		___	___	___											
Fine Arts (3 hours)					3	3	3	3	3	3	3	3	3	3	
ART 143 Art Appreciation		___	___	___											
MUS 203 Music Appreciation		___	___	___											
DRA 203 Theatre Arts Appreciation		___	___	___											
Humanities (0-3 hours)					3	3	3	0	0	3	3	3	3	0	
Any intermediate I foreign language		___	___	___											
PHI 203 Philosophy		___	___	___									3		
ENG 223 World Literature I		___	___	___											
ENG 233 World Literature II		___	___	___											
Technical Electives					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
CSCE 2004 Programming Foundations I (U of A course)	X	___	___	___				4	4						
DASC 12203 Role of Data Science in Today's World	X	___	___	___											3
DASC 10201 R Programming for Data Science	X	___	___	___											3
DASC 16003 Python Programming for Data Science	X	___	___	___											3
DASC 21303 Data Privacy & Ethics	X	___	___	___											3
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 for updated course information.								BENG	Biological Eng	CVEG	Civil Eng				
								BMEG	Biomedical Eng	ELEG	Electrical Eng				
								CHEG	Chemical Eng	INEG	Industrial Eng				
								CompS	Computer Science	MEEG	Mechanical Eng				
*Indicates an elective. If there are multiple in a section, choose one.								CompE	Computer Eng	DATA	Data Science				