

Arkansas State University - Mountain Home

Advising Guide

STEM Prep												
English (6 hours)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
ENG 1003 Composition I		3	3	3	3	3	3	3	3	3	3	
ENG 1013 Composition II		3	3	3	3	3	3	3	3	3	3	
Intro (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 (8 hours)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
MATH 2204 Calculus I	X	4	4	4	4	4	4	4	4	4	4	
MATH 2214 Calculus II	X	4	4	4	4	4	4	4	4	4	4	
MATH 2574 Calculus III (U of A course)	X	4	4	4		4		4	4	4		
Science (8-16)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
CHEM 1014 General Chemistry I		4	4	4	4	4	4	4	4	4	4	
CHEM 1024 General Chemistry II		4	4	4	CHEM 1024,	CHEM 1024,	4	CHEM 1024	CHEM 1024,	CHEM 1024,	CHEM 1024,	
BIOL 1004 Biological Science		4	4		BIOL 1004, or	BIOL 1004, or	or BIOL 1004	BIOL 1004, or	BIOL 1004, or	BIOL 1004, or	BIOL 1004, or	
GEO 1004 Physical Geology					GEO 1004	GEO 1004	4		GEO 1004	GEO 1004	GEO 1004	
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	
POSC 2103 United States Government												
HIST 2763 The United States to 1876												
HIST 2773 The United States since 1876												
Economics (3-6 hours):												
ECON 2313 Principles of Macroeconomics		3	3	3	3	3	3	3	3	3		
ECON 2323 Principles of Microeconomics									3			
Social Science (3-6 hours)		6	6	6	6	6	6	6	3	6	6	
SOC 2233 Introduction to Cultural Anthropology												
GEOG 2703 World Geography												
HIST 2763 The United States to 1876												
HIST 2773 The United States since 1876												
SOC 2213 Principles of Sociology												
SOC 2223 Social Problems												
POSC 2103 United States Government												
HIST 1013 World Civilization to 1660												
HIST 1023 World Civilization since 1660												
PSY 2513 Introduction to Psychology												
Fine Arts (3 hours)		3	3	3	3	3	3	3	3	3	3	
ART 2503 Fine Arts - Visual												
MUS 2503 Fine Arts - Music												
THEA 2503 Fine Arts - Theatre												
Humanities (0-3 hours)		3	3	3	0	0	3	3	3	0	0	
Any intermediate I foreign language												
PHIL 1103 Introduction to Philosophy												
ENG 2003 World Literature to 1660												
ENG 2013 World Literature since 1660												
Technical Electives		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
CSCE 2004 Programming Foundations I (U of A course)	X				4	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:						***Always check for the most recent version: http://stemprep.uark.edu						
*All courses have been evaluated by the University of Arkansas College of Engineer					BENG	Biological Eng	CVEG	Civil Eng				
*Courses taken outside of these courses are not guaranteed to transfer.					BMEG	Biomedical Eng	ELEG	Electrical Eng				
*The number of hours correspond to the number of hours need by each degree					CHEG	Chemical Eng	INEG	Industrial Eng				
*Classes listed in multiple sections will only count in one section.					CompS	Computer Science	MEEG	Mechanical Eng				
					CompE	Computer Eng	DATA	Data Science				