

East Arkansas Community College - Advising Guide

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

STEM Prep												
English (6 hours)			BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA SCI
ENG	1013 English Composition I		3	3	3	3	3	3	3	3	3	3
ENG	1023 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 SCI
GNEG	1103 Introduction to Engineering (UofA course)	X	3	3	3	3	3	3	3	3	3	
DASC	10003 Introduction to Data Science	X				3	3					3
Mathematics (12 hours)			BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA
MTH	2214 Calculus I	X	4	4	4	4	4	4	4	4	4	4
MTH	2224 Calculus II	X	4	4	4	4	4	4	4	4	4	4
MTH	2234 Calculus III	X	4	4	4		4		4	4	4	
Science (16 hours)			BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA
CHE	1214 College Chemistry I		4	4	4	4	4	4	4	4	4	4
CHE	1234 College Chemistry II		4	4	4	CHE 1214, BIO 1014, or PHS 1014	CHE 1214, BIO 1014, or PHS 1014	4	CHE 1214 or BIO 1014	CHE 1214, BIO 1014, or PHS 1014	CHE 1214, BIO 1014, or PHS 1014	CHE 1214, BIO 1014, or PHS 1014
BIO	1014 General Biology		4	4								
PHS	1014 Principles of Geology							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
PSC	2003 American Government											
HIS	2033 US History before 1865											
HIS	2043 US History since 1865											
Economics (3-6 hours):												
ECO	2103 Principles of Macroeconomics		3	3	3	3	3	3	3	3	3	
ECO	2203 Principles of Microeconomics									3		
Social Science (3-6 hours)			6	6	6	6	6	6	6	3	6	6
SOC	2043 Cultural Anthropology											
HIS	2033 US History before 1865											
HIS	2043 US History since 1865											
PSC	2013 State & Local Government											
SOC	1013 Introduction to Sociology											
SOC	2003 Social Problems											
PSC	2003 American Government											
HIS	1013 Western Civilization I											
HIS	1023 Western Civilization II											
PSY	1003 General Psychology											
Fine Arts (3 hours)			3	3	3	3	3	3	3	3	3	3
ART	1003 Art Appreciation											
MUS	1003 Music Appreciation											
DRA	1003 Theatre Appreciation											
Humanities (0-3 hours)			3	3	3	0	0	3	3	0	0	
Any intermediate I foreign language												
PHL	1003 Introduction to Philosophy											
ENG	2073 World Literature I											
ENG	2083 World Literature II											
Technical Electives			BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA
CSCE	2004 Programming Foundations I (UofA 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 Engineering. Courses taken outside of these courses are not guaranteed to transfer. The number of hours correspond to the number of hours needed 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		
						CompE	Computer Eng		DATA	Data Science		