

Southeast Arkansas College - Advising Guide

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

					STEM Prep	Done	Curr	To do											
English (6 hours)									BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
ENGL	1313	English Composition I							3	3	3	3	3	3	3	3	3	3	
ENGL	1323	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							
Mathematics (12 hours)									BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
MATH	2335	Calculus I	X						4	4	4	4	4	4	4	4	4	4	
MATH	2345	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 hours)									BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
CHEM	1434	General Chemistry I							4	4	4	4	4	4	4	4	4	4	
CHEM	1444	General Chemistry II							4	4	4	CHEM 1444	CHEM 1444	4	CHEM 1444	CHEM 1444	CHEM 1444 or	CHEM 1444 or	
BIOL	1464	Principles of Biology							4	4		or BIOL 1464	or BIOL 1464		or BIOL 1464	or BIOL 1464	BIOL 1464	BIOL 1464	
BIOL	2474	Microbiology							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	
HIST	2313	U.S History to 1877																	
HIST	2323	U.S History Since 1877																	
POLI	2313	American Government																	
Economics (3-6 hours):																			
ECON	2313	Principles of Economics I							3	3	3	3	3	3	3	3	3		
ECON	2323	Principles of Economics II														3			
Social Science (3-6 hours)									6	6	6	6	6	6	6	3	6	6	
ANTH	2333	Introduction to Anthropology																	
HIST	2313	U.S History to 1877																	
HIST	2323	U.S History Since 1877																	
POLI	2323	State and Local Government																	
SOCI	2313	Introduction to Sociology																	
POLI	2313	American Government																	
HIST	1333	World Civilization I																	
HIST	1343	World Civilization II																	
PSYC	2303	General Psychology																	
Fine Arts (3 hours)									3	3	3	3	3	3	3	3	3	3	
ART	2343	Art History and Appreciation																	
MUSI	2333	Music History and Appreciation																	
Humanities (0-3 hours)									3	3	3	0	0	3	3	3	3	0	
		Any intermediate I foreign language																	
PHIL	2333	Introduction to Philosophy																	
ENGL	2363	World Literature I																	
ENGL	2373	World Literature II																	
PHIL	2323	Ethics																	
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://enr.uark.edu/stemprep										
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					