

North 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	1013	English Composition I						3	3	3	3	3	3	3	3	3	3
ENGL	1023	English Composition II						3	3	3	3	3	3	3	3	3	3
Communications (3-6 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 (14 hours)								BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA
MAT	2204	Analytical Geometry and Calculus I	X					4	4	4	4	4	4	4	4	4	4
MAT	2304	Analytical Geometry and Calculus II	X					4	4	4	4	4	4	4	4	4	4
MAT	2404	Analytical Geometry and Calculus III	X					4		4		4	4	4	4	4	
Science (8-16 hours)								BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA
CHEM	1415	College Chemistry I						4	4	4	4	4	4	4	4	4	4
CHEM	1425	College Chemistry II						4	4	4	4*	4*	*		4*	4*	4*
BIOL	1014	General Biology						4	4		4*	4*		4*	4*	4*	4*
PHSC	1044	Introduction to Astronomy									4*	4*			4*	4*	4*
GEOL	1014	Physical Geology									4*	4*				4*	4*
PHYS	2144	University Physics I						4	4	4	4	4	4	4	4	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
PLSC	2003	American National Government															
HIST	2003	US History I															
HIST	2013	US History II															
Economics (3-6 hours):								3	3	3	3	3	3	3	3	3	
ECON	2313	Macroeconomics													3		
ECON	2323	Microeconomics															
Social Science (3-6 hours)								6	6	6	6	6	6	6	3	6	6
ANTH	2023	Cultural Anthropology															
HIST	1113	World Civilizations I															
HIST	1123	World Civilizations II															
HIST	2003	US History I															
HIST	2013	US History II															
SOC	2013	Introduction to Sociology															
SOC	2203	Social Problems															
PSYC	2003	General Psychology															
Fine Arts (3 hours)								3	3	3	3	3	3	3	3	3	3
ART	1003	Art Appreciation															
MUS	1003	Music Appreciation															
FA	1203	Film Classics															
ENGL	2303	Creative Writing															
DRAM	1003	Theatre Appreciation															
Humanities (0-3 hours)								3	3	3	0	0	3	3	3	3	0
Any intermediate I foreign language																	
PHIL	1003	Introduction to Philosophy														3	
PHIL	1103	Critical Thought															
ENGL	2213	World Literature I															
ENGL	2223	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		3			
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			
*Indicates an elective. If there are multiple in a section, choose one.											BMEG	Biomedical Eng	ELEG	Electrical Eng			
											CHEG	Chemical Eng	INEG	Industrial Eng			
											CompS	Computer Sci	MEEG	Mechanical Eng			
											CompE	Computer Eng	DATA	Data Science			