

ASU Mid South - Advising Guide

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

STEM Prep				Done	Curr	BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA
English (6 hours)															
ENGL	1113 English Composition I					3	3	3	3	3	3	3	3	3	3
ENGL	1123 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
MATH	2115 Calculus I	X				4	4	4	4	4	4	4	4	4	4
MATH	2564 Calculus II (U of A course)	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	1314 Chemistry I					4	4	4	4	4	4	4	4	4	4
CHEM	1324 Chemistry II					4	4	4	CHEM 1324 or BIOL 1114	CHEM 1324 or BIOL 1114	4	CHEM 1324 or BIOL 1114	CHEM 1324 or BIOL 1114	CHEM 1324 or BIOL 1114	CHEM 1324 or BIOL 1114
BIOL	1114 General Biology					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
POLS	1143 American Government														
HIST	2123 U.S. History before 1877														
HIST	2133 U.S. History after 1877														
Economics (3-6 hours):															0
ECON	2213 Macroeconomics					3	3	3	3	3	3	3	3	3	
ECON	2223 Microeconomics												3		
Social Science (3-6 hours)						6	6	6	6	6	6	6	3	6	6
ANTH	2013 Cultural Anthropology														
HIST	2123 U.S. History before 1877														
HIST	2133 U.S. History after 1877														
SOCI	1303 Introduction to Sociology														
POLS	1143 American Government														
HIST	1153 World Civilization I														
HIST	1163 World Civilization II														
PSYC	1403 Introduction to Psychology														
Fine Arts (3 hours)						3	3	3	3	3	3	3	3	3	3
ARTS	1103 Art Appreciation														
MUSC	1103 Music Appreciation														
ARTS	1123 Introduction to Theatre														
Humanities (0-3 hours)						3	3	3	0	0	3	3	3	3	3
Any intermediate I foreign language															
PHIL	2013 Introduction to Philosophy														
ENGL	2153 World Literature I														
ENGL	2163 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			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						BENG	Biological Eng		CVEG	Civil Eng					
courses are not guaranteed to transfer. The number of hours correspond to the number of hours need by each degree						BMEG	Biomedical Eng		ELEG	Electrical Eng					
program. Classes listed in multiple sections will only count in one section. Always check courseequivalency.uark.edu for						CHEG	Chemical Eng		INEG	Industrial Eng					
updated course information.						CompS	Computer Science		MEEG	Mechanical Eng					
*Indicates an elective. If there are multiple in a section, choose one.						CompE	Computer Eng		DATA	Data Science					