

ASU Three Rivers - 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
ENGL	1113 English Composition I		3	3	3	3	3	3	3	3	3	3
ENGL	1213 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	2554 Calculus I (U of A course)	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	1214 General Chemistry I		4	4	4	4	4	4	4	4	4	4
BIOL	1124 Introduction to Biology		4	4		BIOL 1124 or	BIOL 1124 or		4	BIOL 1124 or	BIOL 1124 or	BIOL 1124 or
PHYC	1124 Introduction to Physics					PHYC 1124	PHYC 1124	4		PHYC 1124	PHYC 1124	PHYC 1124
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
GOVT	2113 American National Government											
HIST	2113 US History through 1865											
HIST	2123 US History since 1865											
Economics (3-6 hours):												
ECON	2113 Principles of Macroeconomics		3	3	3	3	3	3	3	3	3	
ECON	2213 Principles of Microeconomics									3		
Social Science (3-6 hours)			6	6	6	6	6	6	6	3	6	6
HIST	2113 US History through 1865											
HIST	2123 US History since 1865											
GOVT	2123 State and Local Government											
SOCI	1113 Introduction to Sociology											
SOCI	2123 Social Problems											
GOVT	2113 American National Government											
HIST	1113 Civilization through 16th Century											
HIST	1123 Civilization since 16th Century											
PSYC	1113 General Psychology											
Fine Arts (3 hours)			3	3	3	3	3	3	3	3	3	3
HUMN	2113 Humanities: Art											
HUMN	2123 Humanities: Music											
HUMN	2133 Humanities: Theater											
Humanities (0-3 hours)			3	3	3	0	0	3	3	3	3	0
Any intermediate I foreign language												
PHIL	2113 Introduction to Philosophy											
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					
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.						BENG	Biological Eng	CVEG	Civil Eng			
Courses taken outside of these courses are not guaranteed to transfer. The number of hours						BMEG	Biomedical Eng	ELEG	Electrical Eng			
correspond to the number of hours needed by each degree program. Classes listed in						CHEG	Chemical Eng	INEG	Industrial Eng			
multiple sections will only count in one section. Always check courseequivalency.uark.edu for						CompS	Computer Science	MEEG	Mechanical Eng			
updated course information.						CompE	Computer Eng	DATA	Data Science			