Phillips Community College - Advising Guide

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

		STEM Prep	Done	Curr	To do	BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA
English (6 hours)						**BENG**	**BMEG**	**CHEG**	**CompS**	**CompE**	**CVEG**	**ELEG**	**INEG**	**MEEG**	**DATA**
EH	113 Composition I		____	____	____	3	3	3	3	3	3	3	3	3	3
EH	123 Composition II		____	____	____	3	3	3	3	3	3	3	3	3	3
Mathematics (12 hours)						**BENG**	**BMEG**	**CHEG**	**CompS**	**CompE**	**CVEG**	**ELEG**	**INEG**	**MEEG**	**DATA**
MS	215 Calculus I	X	____	____	____	4	4	4	4	4	4	4	4	4	4
MS	225 Calculus II	X	____	____	____	4	4	4	4	4	4	4	4	4	4
MS	233 Calculus III	X	____	____	____	4		4		4	4	4	4	4	
Science (8-16 hours)						**BENG**	**BMEG**	**CHEG**	**CompS**	**CompE**	**CVEG**	**ELEG**	**INEG**	**MEEG**	**DATA**
CY	114 General Chemistry I		____	____	____	4	4	4	4	4	4	4	4	4	4
CY	124 General Chemistry II		____	____	____		4								
CY	204 Chemistry II for Health Sciences					4	3*							4*	
PS	144 Intro to Astronomy		____	____	____				4*	4*			3*	4*	
PS	235 Technical Physics I		____	____	____	4	4	4	4	4	4	4	4	4	4
BY	114 General Biology I		____	____	____	4	4		4*	4*		4*	3*	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
PLS	213 American Federal Government		____	____	____										
HY	213 US History to 1877		____	____	____										
HY	223 US History since 1877		____	____	____										
Economics (3-6 hours):						3	3	3	3	3	3	3		3	
ES	213 Principles of Macroeconomics		____	____	____								3		
ES	223 Principles of Microeconomics		____	____	____										
Social Science (3-6 hours)						6	6	6	6	6	6	6	3	6	6
HY	213 US History to 1877		____	____	____										
HY	223 US History since 1877		____	____	____										
PLS	223 State and Local Government		____	____	____										
SY	213 Fundamental Sociology		____	____	____										
BH	123 Theories & Treatment of Social Problems		____	____	____										
PLS	213 American Federal Government		____	____	____										
HY	113 History of Western Civilization I		____	____	____										
HY	123 History of Western Civilization II		____	____	____										
PSY	213 General Psychology		____	____	____										
Fine Arts (3 hours)						3	3	3	3	3	3	3	3	3	
FA	213 Fine Arts		____	____	____										
MSC	223 Music Appreciation		____	____	____										
SP	123 Introduction to Theatre		____	____	____										
Humanities (0-3 hours)						3	3	3	0	0	3	3	3	3	0
Any intermediate I foreign language			____	____	____										
PHIL	153 Introduction to Philosophy		____	____	____									3	
EH	233 World Literature I		____	____	____										
EH	243 World Literature II		____	____	____										
Other Courses						**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	
CSCE	2004 Programming Foundations I (U of A course)	X	____	____	____				4	4		4			
DASC	10003 Intro to Data Science	X													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.

*Indicates an elective. If there are multiple in a section, choose one.

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