

Ozarka College - Advising Guide

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

		STEM Prep	Done	Curr	To do	Required for Degree										
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 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 (16 hours)						BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG	DATA	
CHEM	1014 General Chemistry I					4	4	4	4	4	4	4	4	4	4	
CHEM	1024 General Chemistry II					4	4	4	CHEM 1024,	CHEM 1024,	4	CHEM 1024	CHEM 1024,	CHEM 1024,	CHEM 1024,	
BIOL	1004 General Biology					4	4		BIOL 1004, or	BIOL 1004, or		or BIOL	BIOL 1004, or	BIOL 1004, or	BIOL 1004, or	
GEOL	1004 Essentials of Earth Science								GEOL 1004	GEOL 1004	4		GEOL 1004	GEOL 1004	GEOL 1004	
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 American History I															
HIST	2013 American History II															
Economics (3-6 hours):																
ECON	2323 Introduction to Macroeconomics					3	3	3	3	3	3	3	3	3		
ECON	2313 Introduction to Microeconomics												3			
Social Science (3-6 hours)						6	6	6	6	6	6	6	3	6	6	
ANTH	2023 Cultural Anthropology															
HIST	2003 American History I															
HIST	2013 American History II															
SOCI	2013 Introduction to Sociology															
SOCI	2203 Social Problems															
PLSC	2003 American National Government															
HIST	1003 World Civilization I															
HIST	1013 World Civilization II															
PSYC	2003 General Psychology															
Fine Arts (3 hours)						3	3	3	3	3	3	3	3	3	3	
FAVI	1003 Fine Arts Visual															
FAMU	1003 Fine Arts Music															
FATH	1003 Fine Arts Theater															
Humanities (0-3 hours)						3	3	3	0	0	3	3	3	0		
Any intermediate I foreign language																
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		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:																
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.									***Always check for the most recent version: http://engr.uark.edu/stemprep							
									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				

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