

Black River Technical College - 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	
ENG	1003 Freshman English I		3	3	3	3	3	3	3	3	3	3	
ENG	1013 Freshman English II		3	3	3	3	3	3	3	3	3	3	
Communications (3 hours)			BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG		
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	2204 Calculus I	X	4	4	4	4	4	4	4	4	4	4	
MATH	2214 Calculus II	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	1013 General Chemistry I		4	4	4	4	4	4	4	4	4	4	
CHEM	1023 General Chemistry II		4	4	4	CHEM 1023 or BIOL 1004	CHEM 1023 or BIOL 1004	4	CHEM 1023 or BIOL 1004	CHEM 1023 or BIOL 1004	CHEM 1023 or BIOL 1004	CHEM 1023 or BIOL 1004	
BIOL	1004 Biological Science		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	
POSC	2103 United States Government												
HIST	2763 The United States to 1876												
HIST	2773 The United States since 1876												
Economics (3-6 hours):													
ECON	2313 Principles of Macroeconomics		3	3	3	3	3	3	3	3	3		
ECON	2323 Principles of Microeconomics									3			
Social Science (3-6 hours)			6	6	6	6	6	6	6	3	6	6	
ANTH	2233 Introduction to Cultural Anthropology												
HIST	2763 The United States to 1876												
HIST	2773 The United States since 1876												
SOC	2213 Principles of Sociology												
POSC	2103 United States Government												
HIST	1013 World Civilization to 1660												
HIST	1023 World Civilization since 1660												
PSY	2513 Introduction to Psychology												
Fine Arts (3 hours)			3	3	3	3	3	3	3	3	3	3	
FAV	2503 Fine Arts Visual												
FAM	2503 Fine Arts Musical												
FAT	2203 Fine Arts Theatre												
Humanities (0-3 hours)			3	3	3	0	0	3	3	3	3	3	
Any intermediate I foreign language													
PHIL	1103 Introduction to Philosophy												
ENG	2003 Introduction to World Literature I												
ENG	2013 Introduction to 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 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. *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				