

ASU Newport - 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 Composition I		3	3	3	3	3	3	3	3	3	3
ENG	1013 Composition II		3	3	3	3	3	3	3	3	3	3
Intro (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	2204 Calculus I (U of A course)	X	4	4	4	4	4	4	4	4	4	4
MATH	2214 Calculus II (U of A course)	X	4	4	4	4	4	4	4	4	4	4
MATH	2254 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		3	3	3	3	3	3	3	3	3	4
CHEM	1023 General Chemistry II		3	3	3	CHEM 1013 or BIOL 1003	CHEM 1013 or BIOL 1003	3	CHEM 1013 or BIOL 1003	CHEM 1013 or BIOL 1003	CHEM 1013 or BIOL 1003	CHEM 1013 or BIOL 1003
BIOL	1003 Biological Science		3	3								
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 Introduction to 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
SOC	2233 Introduction to Cultural Anthropology											
GEOG	2613 Introduction to Geography											
HIST	2763 The United States to 1876											
HIST	2773 The United States since 1876											
POSC	2203 State and Local Government											
SOC	2213 Principles of Sociology											
SOC	2223 Social Problems											
POSC	2103 Introduction to United States Government											
HIST	1013 World Civilization to 1660											
HIST	1023 World Civilization since 1660											
PSY	2013 Introduction to Psychology											
Fine Arts (3 hours)			3	3	3	3	3	3	3	3	3	3
ART	2503 Fine Arts Visual											
MUS	2503 Fine Arts Musical											
THEA	2503 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 Literature of the Western World I											
ENG	2013 Introduction to Literature of the Western World 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.

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

***Always check for the most recent version: <http://stemprep.uark.edu>

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