

# College of the Ouachitas

## Advising Guide

		STEM Prep Done				Curr				To do				
<b>English (6 hours)</b>														
ENGL	1113 English Composition I					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
ENGL	1123 English Composition II					3	3	3	3	3	3	3	3	3
<b>Communications (3 hours)</b>														
GNEG	1103 Introduction to Engineering (U of A course)	X				BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
COMM	2113 Oral Communication					3	3	3	3	3	3	3	3	3
<b>Mathematics (12 hours)</b>														
MATH	2554 Calculus I (U of A course)	X				BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
MATH	2564 Calculus II (U of A course)	X				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	4	4
<b>Science (16 hours)</b>														
CHEM	1214 General Chemistry I					BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
CHEM	1224 General Chemistry II					4	4	4	4	4	4	4	4	4
BIOL	1124 Introduction to Biology					4	4		CHEM 1224, BIOL 1124 or PHYC 1124	CHEM 1224, BIOL 1124 or PHYC 1124	4	CHEM 1224 or BIOL 1124	CHEM 1224, BIOL 1124 or PHYC 1124	CHEM 1224, BIOL 1124 or PHYC 1124
PHYC	1124 Earth Science										4			
PHYS	2054 University Physics I (U of A course)	X				4	4	4	4	4	4	4	4	4
PHYS	2074 University Physics II (U of A course)	X				4	4	4	4	4	4	4	4	4
BIOL	2244 Microbiology					4	4							
<b>Humanities and Social Science (15-18 hours)</b>														
<b>US History/Government (3 hours)</b>						BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
GOVT	2113 American National Government					3	3	3	3	3	3	3	3	3
HIST	2113 US History through 1865													
HIST	2123 US History since 1865													
<b>Economics (3-6 hours):</b>														
ECON	2113 Principles of Macroeconomics					3	3	3	3	3	3	3	3	3
ECON	2213 Principles of Microeconomics												3	
<b>Social Science (3-6 hours)</b>						6	6	6	6	6	6	6	3	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													
<b>Fine Arts (3 hours)</b>						3	3	3	3	3	3	3	3	3
HUMN	Humanities: Art													
HUMN	Humanities: Music													
HUMN	Humanities: Theater													
<b>Humanities (0-3 hours)</b>						3	3	3	0	0	3	3	3	3
Any intermediate I foreign language														
PHIL	2113 Introduction to Philosophy													
ENGL	2213 World Literature I													
ENGL	2223 World Literature II													
<b>Technical Electives</b>														
CSCE	2004 Programming Foundations I (U of A course)	X				BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
									4	4		4		

**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.

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		