

NWACC - ASSOCIATE OF SCIENCE DEGREE - Pre-Engineering Advising Guide (UA)

Required for Degree

English (6 hours)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
ENGL	1013 English Composition I	3	3	3	3	3	3	3	3	3
ENGL	1023 English Composition II	3	3	3	3	3	3	3	3	3
Comm/Engineering (3-6 hours)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
GNEG	1103 Introduction to Engineering	3	3	3	3	3	3	3	3	3
COMM	1303 Public Speaking				3	3				
Mathematics (8-16 hours)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
MATH	2554 Calculus I	4	4	4	4	4	4	4	4	4
MATH	2564 Calculus II	4	4	4	4	4	4	4	4	4
MATH	2574 Calculus III	4		4		4	4	4	4	4
MATH	2584 Differential Equations	4	4	4		4	4	4	4	4
Science (16-24 hours)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
CHEM	1104 College Chemistry I	4	4	4	4	4	4	4	4	4
CHEM	1124 College Chemistry II		4	4	4*	4*	4*		4*	4*
BIOL	1544 Principles of Biology I	4	4		4*	4*		4*	4*	4*
GEOL	1114 General Geology	4*			4*	4*	4		4*	4*
PHYS	2054 Advanced College Physics I	4	4	4	4	4	4	4	4	4
PHYS	2074 Advanced College Physics II		4	4	4	4	4*	4	4	4
MBIO	2014 Microbiology	4	4*				4*			
Core Requirements (15-18 hours)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
US History/Government (3 hours)		3	3	3	3	3	3	3	3	3
PLSC	2003 American Government									
HIST	2003 or 2013 Hist. of American People									
Economics (3 hours):		3	3	3	3	3	3	3	3	3
ECON	2143 Basic Economics								ECON 2143 OR ECON 2013 & 2023	
ECON	2013 Macroeconomics									
ECON	2023 Microeconomics									
Social Science (6 hours)		6	6	6	6	6	6	6	6	6
ANTH	1023 Intro to Cultural Anthropology									
GEOG	1123 Human Geography									
GEOG	2313 World Regional Geography									
HIST	2003 or 2013 Hist. of American People									
HIST	1003 or 1013 Western Civilization									
PLSC	2203 State and Local Government									
SOCI	2013 General Sociology									
SOCI	2033 Social Problems									
PLSC	2003 American National Government									
HIST	1033 or 1043 World Civilizations									
PSYC	2003 General Psychology									
PSYC	2103 Human Growth & Development									
Fine Arts (3 hours)		3	3	3	3	3	3	3	3	3
ARHS	1003 Art Appreciation									
MUSI	1003 Music Appreciation									
COMM	1003 Film Arts									
THTR	1003 Intro to Theater									
Humanities (0-3 hours)		3	3	3	0	0	3	3	3	0
Any intermediate I foreign language										
PHIL	2003 Intro to Philosophy									
PHIL	2103 Intro to Ethics									
PHIL	2203 Intro to Logic									
ENGL	2213, 2223 World Literature I or II									
Technical Electives (3-9 hours)		BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
MEEG	2003 Statics	3							3	3
MEEG	2013 Dynamics	3					3*			3
MEEG	2403 Thermodynamics	3	3				3*	3*		3
PROG	1003 Programming Logic						3*			
PROG	1203 C++ Programming I				3	3		3	3	
PROG	2203 C++ Programming II				3	3		3*	3*	

Notes:

***Always check for the most recent version: <https://engineering.uark.edu/academics/transfer-students/nwacc.php>

Students can choose to take extra hours at NWACC which will complete their AS degree but not count toward an engineering degree at UA; OR complete PHIL 3103 Ethics and the Professions at UA as required for engineering degree and request a UA transcript sent to NWACC to award degree.

*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
Comp S/E	Computer Sci/Eng	MEEG	Mechanical Eng