

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

Required for Degree

	BENG	BMEG	CHEG	CompS	CompE	CVEG	ELEG	INEG	MEEG
English (6 hours)									
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)									
GNEG 1103 Introduction to Engineering	3	3	3	3	3	3	3	3	3
COMM 1303 Public Speaking				3	3				
Mathematics (8-16 hours)									
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)									
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)									
US History/Government (3 hours)									
PLSC 2003 American Government									
HIST 2003 or 2013 Hist. of American People									
Economics (3 hours):									
ECON 2143 Basic Economics	3	3	3	3	3	3	3	3	3
ECON 2013 Macroeconomics								ECON 2143 OR ECON	
ECON 2023 Microeconomics								2013 & 2023	
Social Science (6 hours)									
ANTH 1023 Intro to Cultural Anthropology	6	6	6	6	6	6	6	6	6
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)									
ARHS 1003 Art Appreciation	3	3	3	3	3	3	3	3	3
MUSI 1003 Music Appreciation									
COMM 1003 Film Arts									
THTR 1003 Intro to Theater									
Humanities (0-3 hours)									
Any intermediate I foreign language	3	3	3	0	0	3	3	3	0
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)									
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 1204 C++ Programming I				3	3		3	3	
PROG 2204 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.

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

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