ASSOCIATE OF SCIENCE DEGREE - Pre-Engineering (UA)

Required for Degree

English (6 hours)	**BENG**	**BMEG**	**CHEG**	**BS-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**	**BS-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 (12 hours)	**BENG**	**BMEG**	**CHEG**	**BS-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 2914 Differential Equations	4	4	4		4	4	4	4	4
Science (16 hours)	**BENG**	**BMEG**	**CHEG**	**BS-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	Chem1124, BIOL1544 or GEOL 1114 (4)	Chem1124, BIOL1544 or GEOL 1114 (4)	4	Chem1124 or BIOL1544 (4)	Chem1124, BIOL1544 or GEOL1114 (4)	Chem1124, BIOL1544 or GEOL1114 (4)
BIOL 1544 Principles of Biology I	4	4							
GEOL 1114 General Geology						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							
Humanities and Social Science (15-18 ho	**BENG**	**BMEG**	**CHEG**	**BS-CompS**	**CompE**	**CVEG**	**ELEG**	**INEG**	**MEEG**
US History/Government (3 hours)	3	3	3	3	3	3	3	3	3
PLSC 2003									
HIST 2003, 2013									
Economics (3-6 hours):									
ECON 2013 Macroeconomics	3	3	3	3	3	3	3	3	3
ECON 2023 Microeconomics								3	
Social Science (3-6 hours)	6	6	6	6	6	6	6	3	6
ANTH 1023 Intro to Cultural Anthropology									
GEOG 1123 Human Geography									
HIST 2003, 2013 US History I or II									
PLSC 2203 State and Local Government									
SOCI 2013 General Sociology									
SOCI 2033 Social Problems									
PLSC 2003 American Government									
HIST 1003, 1013 World Civilizations I or II									
PSYC 2003 General Psychology									
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									
DRAM 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**	**BS-CompS**	**CompE**	**CVEG**	**ELEG**	**INEG**	**MEEG**
MEEG 2003 Statics	3							3	3
PROG 1203 C++ Programming I				3	3		3	3	
PROG 2203 C++ Programming II				3	3		3	3	
PROG 2303 Web ServerSide Programming				3	3				

Notes:

**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.

***Always check for the most recent version: www.engr.uark.edu/nwacc

Biological Eng		CENG	Computer Eng
Biomedical Eng		CVEG	Civil Eng
Chemical Eng		ELEG	Electrical Eng
BA-Computer Sci		INEG	Industrial Eng
BS-Computer Sci		MEEG	Mechanical Eng