

2+2 Degree Plan
Associate of Science - Liberal Arts & Sciences (STEM) NWACC
Bachelor of Science – Geoscience - ATU

Northwest Arkansas Community College Courses (60 credit hours)

General Education Requirements (35 credit hours)

English/Communications (6 hours)			ATU equivalent¹	Hours
ENGL	1013	English Composition I	ENGL 1013 Composition I	3
ENGL	1023	English Composition II	ENGL 1023 Composition II	3

Math (3 hours)			ATU equivalent¹	Hours
MATH	1203	College Algebra or higher*	MATH 1113 College Algebra	3

*MATH 1213 Plane Trigonometry required for PHYS 2014 and PHYS 2034

Lab Sciences (8 hours)			ATU equivalent¹	Hours
BIOL	1544	Principles of Biology I	BIOL 1114 Principles of Biology	4
CHEM	1104	College Chemistry I	CHEM 2124 General Chemistry I <i>and</i> CHEM 2120 General Chemistry I Lab	4

U.S. History (3 hours) Choose One			ATU equivalent¹	Hours
HIST	2003	History of American People - 1877	HIST 2003 United States History to 1877	3
HIST	2013	History of American People – 1877 to Present	HIST 2013 United States History since 1877	3

American Government (3 hours)			ATU equivalent	Hours
PLSC	2003	American National Government	POLS 2003 American Government	3

Fine Arts & Humanities (6 hours) Choose Two			ATU equivalent¹	Hours
ARHS	1003	Art Appreciation	ART 2123 Experiencing Art	3
COMM	1003	Film Arts	JOUR/ENGL 2173 Introduction to Film	3
ENGL	2213	Survey of World Literature to 1650	ENGL 2003 Introduction to World Literature	3
ENGL	2313	Survey of American Lit. to Civil War	ENGL 2013 Introduction to American Literature	3
MUSI	1003	Music Appreciation	MUS 2003 Introduction to Music	3
THTR	1003	Introduction to Theater	TH 2273 Introduction to Theatre	3

Social Sciences (6 hours)			ATU equivalent¹	Hours
SOCI	2013	General Sociology	SOC 1003 Introduction to Sociology	3
ECON	2013	Macroeconomics	ECON 2003 Principles of Macroeconomics	3
ANTH	1023	Intro. to Cultural Anthropology	ANTH 2003 Cultural Anthropology	3
HIST	1033	World Civilizations to 1500	HIST 1503 World History to 1500	3
HIST	1043	World Civilizations from 1500	HIST 1513 World History since 1500	3
PHIL	2003	Introduction to Philosophy	PHIL 2003 Introduction to Philosophy	3
PSYC	2003	General Psychology	PSY 2003 General Psychology	3

Northwest Arkansas Community College Courses
Associate Degree Requirements Directed and Approved Electives (25 credit hours)

Science & Math Directed Electives (8 hours)			ATU equivalent	Hours
BOTY	2534	Environmental Biology	ENVS 1004 Principles of Environmental Science	4
GEOL	1114	General Geology	GEOL 1014 Physical Geology	4
Approved Electives (17 hours)				
PHYS	2014	College Physics I	PHYS 2014 Algebra-Based Physics I and PHYS 2000 Algebra-Based Physics I Lab	4
PHYS	2034	College Physics II	PHYS 2024 Algebra-Based Physics II and PHYS 2010 Algebra-Based Physics II Lab	4
GEOL	1134	Environmental Geology	GEOL 3153 Environmental Geology (LD) GEPS 1XXX Gen. Education Physical Science	3 1
CISQ	1003	Intro. To Information Systems	COMS 1003 Intro. to Computer Based Systems	3
		Elective	Elective Credit	2

Arkansas Tech University Courses (60-62 credit hours)

STEM	1001	Orientation to the College of Science, Technology, Engineering, and Mathematics <i>or</i>	Waive
PHSC/TECH	1001	Orientation to Physical Science <i>*may be waived for NWACC AS – STEM graduates under 2+2</i>	
GEOL	2024	Historical Geology	4
MATH	1203	Plane Trigonometry ²	3
STAT	2163	Introduction to Statistical Methods ²	3
MATJ	2914	Calculus I ²	4
ENGL	2053	Technical Writing	3
CHEM	2134	General Chemistry II and	4
CHEM	2130	General Chemistry II Lab	
GEOL	3014	Mineralogy	4
GEOL	3164	Petrology	4
GEOL	3004	Structural Geology	4
FW/GEOG	2833	Introduction to Geographic Information Systems	3
GEOL	3083	Hydrogeology	3
GEOL	3044	Geomorphology	4
GEOL	3001	Seminar	1
GEOL	3023	Geologic Field Techniques	3
GEOL	4001	Seminar	1
GEOL	4023	Principles of Stratigraphy and Sedimentation	3
GEOL	4006	Field Geology ³	6
		Electives ^{2,4}	3

¹ See appropriate choices, alternatives or substitutions in "[General Education Requirements](#)." A specific general education core course does not have to be taken in the semester listed, any other part of the general education core at any time is acceptable as well.

² [MATH 1203](#) Plane Trigonometry, and [STAT 2163](#) Introduction to Statistical Methods, or [MATH 2914](#) Calculus I. Students taking MATH 2914 will add two more hours of elective to reach 120 total hours.

³ GEOL 4006 Field Geology (6 credit hours of field geology) must be completed during the summer after the Junior or Senior year.

⁴ Must complete 120 total hours with 40 hours of 3000-4000 level course work.