

2+2 Degree Plan
Associate of Science in Science, Engineering, Math – NAC
Bachelor of Science Geosciences –ATU

North Arkansas College (60 credit hours)

Degree Plan			ATU equivalent	Hours
ENGL	1013	English Composition I	ENGL 1013 Composition I	3
ENGL	1023	English Composition II	ENGL 1023 Composition II	3
MAT	1305	Pre-Calculus Math <i>or higher</i> (<i>College Algebra required at ATU</i>)	MATH 1914 Precalculus and GENL 1XXX General Elective Credit	5
CHEM	1415	College Chemistry I	CHEM 2134 General Chemistry I and lab GENL 1XXX General Elective Credit	4 1
CHEM	1425	College Chemistry II	CHEM 2134 General Chemistry II and Lab GENL 1XXX General Elective Credit	4 1
PHY	2014	College Physics	PHYS 2000 Physics Lab <i>and</i> PHYS 2014 Algebra-Based Physics I	4
ART DRAM MUS	1003 1003 1003	<i>Choose One</i> Art Appreciation Theatre Appreciation Music Appreciation	ART 2123 Experiencing Art TH 2273 Introduction to Theater MUS 2003 Introduction to Music	3
HIST HIST PLSC	2003 2013 2003	<i>Choose One</i> United States History I United States History II American National Government	HIST 2003 United States History to 1877 HIST 2013 United States History since 1877 POLS 2003 American Government	3
SPCH	2303	Public Speaking	COMM 2003 Public Speaking	3

Choose 3 of the following courses (9-hours)			ATU equivalent	Hours
		<i>Choose Three</i>		9
PSYC	2003	General Psychology	PSY 2003 General Psychology	
SOC	2013	Introductory Sociology	SOC 1003 Introductory Sociology	
ANTH	2023	Cultural Anthropology	ANTH 2003 Cultural Anthropology	
ECON	2313	Principles of Macroeconomics	ECON 2003 Principles of Macroeconomics	
ECON	2323	Principles of Microeconomics	ECON 2013 Principles of Microeconomics	
HIST	1113	History of World Civilization I	HIST 1503 World History to 1500	
HIST	1123	History of World Civilization II	HIST 1513 World History since 1500	
HIST	2003	U.S. History I	HIST 2003 U.S. History to 1877	
HIST	2123	U.S. History II	HIST 2013 U.S. History since 1877	
PLSC	2003	American National Government	POLS 2003 American Government	
SOC	2203	Social Problems	SOC 2003 Social Problems	

Choose one of the following courses (3 hours)			ATU equivalent	Hours
ENGL	2113	World Literature I	GEFA 2XXX General Education Fine Arts	3
ENGL	2123	World Literature II	GEFA 2XXX General Education Fine Arts	3
FL	1303	Beginning Spanish I	SPAN 1013 Beginning Spanish I	3
FL	1313	Beginning Spanish II	SPAN 1023 Beginning Spanish II	3
PHIL	1103	Introduction to Philosophy	PHIL 2003 Introduction to Philosophy	3
PHIL	1003	Critical Thought	PHIL 2053 Introduction to Critical Thinking	3

Directed Electives (18 hours)			ATU equivalent	Hours
BIOL	1014	General Biology	BIOL 1114 Principles of Biology ¹	4
BIOL	1144	Environmental Science	BIOL 1004 Principles of Environmental Science	4
GEOL	1014	Physical Geology	GEOL 1014 Physical Geology	4
		Directed Math or Science Electives <i>*ATU requires Plane Trigonometry or Calculus for transfer (3 hours)</i>	Appropriate transfer credit applied	6

**If a degree is not completed at the time of the transfer, those courses taken in pursuit of an identified degree will be accepted. Any unfulfilled lower level degree coursework that is taken at Arkansas Tech University that would equal an associate's degree requirement will be reverse-transferred back to Northark.*

Arkansas Tech University Courses

60-63 credit hours

STEM	1001	Orientation to College of Science, Technology, Engineering, and Mathematics or	1
PHSC/TECH	1001	Orientation to Physical Science	
GEOL	2024	Historical Geology	4
MATH	1203	Plane Trigonometry ² or	0-3
MATH	2914	Calculus I ²	
ENGL	2053	Technical Writing	3
GEOL	3014	Mineralogy	4
STAT	2163	Introduction to Statistical Methods or	0-3
MATH	2914	Calculus 1 ²	
GEOG/FW	2833	Introduction to Geographic Information Systems	3
GEOL	3164	Petrology	4
GEOL	3023	Geologic Field Techniques	3
GEOL	3044	Geomorphology	4
GEOL	3004	Structural Geology	4
PHYS	2024	Algebra-Based Physics II <i>and</i>	4
PHYS	2010	Physics Laboratory II	
FW/GEOL	2833	Introduction to Geographic Information Systems	3
GEOL	3083	Hydrogeology	3
GEOL	3044	Geomorphology	4
GEOL	3001	Seminar	1
GEOL	4001	Seminar	1
GEOL	4023	Principles of Stratigraphy and Sedimentation	3
GEOL	4006	Field Geology ³	6
		Elective ^{2,4}	5-8

¹Allow sub BIOL 1114 for BIOL 1014

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.