

2+2 Degree Plan
Associate of Science in Science, Engineering, Math – NAC
Bachelor of Science Biology – Environmental Option –ATU
2024-25

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> (College Algebra required at ATU)	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
PSYC SOC	2003 2013	General Psychology <i>or</i> Introductory Sociology	PSY 2003 General Psychology SOC 1003 Introductory Sociology	3
ANTH ECON ECON HIST HIST HIST HIST PLSC SOC	2023 2313 2323 1113 1123 2003 2123 2003 2203	<i>Choose One</i> Cultural Anthropology Principles of Macroeconomics Principles of Microeconomics History of World Civilization I History of World Civilization II U.S. History I U.S. History II American National Government Social Problems	ANTH 2003 Cultural Anthropology ECON 2003 Principles of Macroeconomics ECON 2013 Principles of Microeconomics HIST 1503 World History to 1500 HIST 1513 World History since 1500 HIST 2003 U.S. History to 1877 HIST 2013 U.S. History since 1877 POLS 2003 American Government SOC 2003 Social Problems	3

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	2013	Intermediate Spanish I	SPAN 1013 Beginning Spanish I	3
FL	2023	Intermediate 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			ATU equivalent	Hours
BIOL	1014	General Biology	BIOL 1114 Principles of Biology	4
BIOL	1144	Environmental Science	BIOL 1004 Principles of Environmental Science	4
BIOL	1304	General Botany	BIOL 2134 Principles of Botany	4
BIOL	1504	General Zoology	BIOL 2124 Principles of Zoology	4
GEOL	1014	Physical Geology	GEOL 1014 Physical Geology	4
MAT	2133	Introduction to Statistics	STAT 2163 Introduction to Statistical Methods	3

**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

60-64 credit hours

BIOL	1011	Orientation to Biological Sciences	1
GEOL	1014	Physical Geology	4
PHYS	2010	Physics II Laboratory and	4
PHYS	2024	Algebra-Based Physics II	
CHEM	3254	Fundamentals of Organic Chemistry	4
CHEM	3264	Mechanistic Organic Chemistry	4
BIOL	3034	Genetics	4
BIOL	3043	Conservation	3
BIOL	3054	Microbiology	4
		Environmental Science Elective ⁴	6-8
		Major Support Elective ²	6-8
		Mathematics or Statistics Elective ³	3
BIOL	3114	Principles of Ecology or	4
BIOL	4094	Coastal Ecology	
BIOL	3174	Physiological Ecology	4
		Environmental Seminar Elective ⁴	4
		Electives	5

²Major Support Elective courses include: [BIOL 3353](#) Fundamentals of Toxicology, [CHEM 3313](#) Environmental Chemistry, [CHEM 4991](#) Special Problems in Chemistry, [CHEM 4992](#) Special Problems in Chemistry, [CHEM 4993](#) Special Problems in Chemistry, [CHEM 4994](#) Special Problems in Chemistry, [FW 2833](#) Introduction to Geographic Information Systems, [FW 3074](#) Habitat Evaluation, [FW 4034](#) Advanced Geographic Information Systems Applications, [GEOL 3083](#) Hydrogeology, [GEOL 3153](#) Environmental Geology, [PHSC 3033](#) Meteorology.

³Mathematics and Statistics Elective courses include: any mathematics course higher than [MATH 1113](#) College Algebra or any statistics course higher than [STAT 2163](#) Introduction to Statistical Methods.

⁴Environmental Elective courses include: [BIOL 3004](#) Plant

Taxonomy, [BIOL 3033](#) Bioinformatics, [BIOL 3064](#) Parasitology, [BIOL 3084](#) Ichthyology, [BIOL 3104](#) Introduction to Entomology, [BIOL 3134](#) Invertebrate Zoology, [BIOL 3144](#) Ornithology, [BIOL 3184](#) Animal Behavior, [BIOL 3224](#) Herpetology, [BIOL 4023](#) Immunology, [BIOL 4024](#) Limnology, [BIOL 4043](#) Conservation Genetics, [BIOL 4044](#) Dendrology, [BIOL 4054](#) Vertebrate Histology, [BIOL 4064](#) Evolutionary

Biology, [BIOL 4124](#) Biological Assessment of Water Quality, [BIOL 4163](#) Biodiversity and Conservation Biology, [BIOL 4112](#) Biology Internship, [BIOL 4114](#) Biology Internship, [BIOL 4881](#) Advanced Topics in Biology, [BIOL 4882](#) Advanced Topics in Biology, [BIOL 4883](#) Advanced Topics in Biology, [BIOL 4884](#) Advanced Topics in Biology, [BIOL 4951](#) Undergraduate Research in Biology, [BIOL 4952](#) Undergraduate Research in Biology, [BIOL 4953](#) Undergraduate Research in Biology, [BIOL 4954](#) Undergraduate Research in Biology

⁵At least 40 of the total hours required for graduate must be 3000-4000 level courses.