North Arkansas College

ARKANSAS TECH UNIVERSITY

2+2 Degree Plan (2023-24 Catalog)
Associate of Science in Science, Engineering, Math – NAC
Bachelor of Science in Environmental Science - ATU

North Arkansas College (61-63 credit hours)
General Education Requirements (35-37 credit hours)

English/Communications (9 hours)			ATU equivalent	Hours
ENGL	1013	English Composition I	ENGL 1013 Composition I	3
ENGL	1023	English Composition II	ENGL 1023 Composition II	3
SPCH	2303	Public Speaking	COMM 2003 Public Speaking	3

Note: "C" or better required in ENG 1013 and ENG 1023.

Math (3-5 hours)			ATU equivalent	Hours
MAT	1223	College Algebra (unless already taken)	MATH 1113 College Algebra	3
MAT	1305	Pre-Calculus Mathematics	MATH 1914 Precalculus and GENL 1XXX General Elective Credit	5

Note: "C" or better required in Math courses

Social and Behavioral Sciences (6 hours)			ATU equivalent	Hours
SOC	2013	Introduction to Sociology	SOC 1003 Introductory Sociology	3
ECON	2313	Principles of Macroeconomics	ECON 2003 Principles of Macroeconomics	3

Humanities (6 hours)			ATU equivalent	Hours
PHIL	1003	Introduction to Philosophy **OR**	PHIL 2003 Intro to Philosophy	3
ART	1003	Art Appreciation **OR**	ART 2123 Experiencing Art	3
DRAM	1003	Theatre Appreciation **OR**	TH 2273 Introduction to Theater	3
MUS	1003	Music Appreciation **OR**	MUS 2003 Introduction to Music	3
ENGL	2013	American Literature I **OR**	**ENGL** 2013 Introduction to American Literature	3
ENGL	2213	World Literature I	**ENGL** 2003 Introduction to World Literature	3

***See Arkansas Course Transfer System (ADHE-ACTS) for humanities alternatives.**

History (3 hours)			ATU equivalent	Hours
HIST	2003	United States History I **OR**	HIST 2003 United States History to 1877	3
HIST	2013	United States History II **OR**	HIST 2013 United States History since 1877	3
PLSC	2003	American National Government	POLS 2003 American Government	3

Lab Sciences (8 hours)			*ATU equivalent*	*Hours*
PHSC	1004	Fundamentals of Physical Science	PHSC 1013 Physical Science *and* PHSC 1021 Physical Science Laboratory	3 1
BIOL	1014	General Biology	BIOL 1114 Principles of Biology	4

Revised 05.24.23

North Arkansas College

Directed Electives (26 credit hours)

Directed Electives (25 hours)			ATU equivalent	Hours
BIOL	1504	General Zoology	BIOL 2124 Principles of Zoology	4
CHEM	1415	College Chemistry I	CHEM 2134 General Chemistry I and GENL 1XXX General Elective Credit	5
BIOL	1304	General Botany	BIOL 2134 Principles of Botany	4
BIOL	1144	Environmental Biology	BIOL 1004 Principles of Environmental Science	4
GEOL	1014	Physical Geology	GEOL 1014 Physical Geology	4
CHEM	1425	College Chemistry II	CHEM 2134 General Chemistry II GENL 1XXX General Elective Credit	4 1

**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 credit hours

BIOL	1011	Orientation to the Biological Sciences[1]	Waive
STAT SOC/PSY	2163 2053	Introduction to Statistical Methods *or* Statistics for Behavioral Sciences	3
MATH FW	2914 3173	Calculus I *or** unless taken at NAC Biostatistics	4
PHYS PHYS	2014 2000	Algebra Based Physics I *and* Physics Laboratory	4
BIOL/FW	3114	Principles of Ecology	4
BIOL/ENVS	3043	Conservation	3
BIOL/CHEM/ ENVS/GEOL	3111	Environmental Seminar	1
CHEM	3264	Mechanistic Organic Chemistry	4
CHEM	3254	Fundamentals of Organic Chemistry	4
ENVS FW	4133 3053	Environmental Policy **OR** Fisheries and Wildlife Administration	3
		Life Science Electives[2] (3000-4000) level	8
		Physical Science Elective without Lab **OR** [3,8] GIS and Research	3
		Human Dimensions [7,8]	6
		Field Biology[6] OR Physical Science Elective with Lab[5,8]	4
		Field Biology[6] Physical Science Elective without Lab[3] **OR** GIS Research[4,8]	4
		GIS and Research[4,8]	4
		Elective	1

[1]Waive BIOL 1011

[2]Take two Life Science Elective courses from the following: BIOL 3004: Plant Taxonomy, BIOL 3034: Genetics, BIOL 3054: Microbiology, BIOL 3064: Parasitology, BIOL/FW 3084: Ichthyology, BIOL/AGPM 3104: Introduction to Entomology, BIOL 3134: Invertebrate Zoology, BIOL/FW 3144: Ornithology, BIOL 3174: Physiological Ecology, BIOL/FW 3224: Herpetology, BIOL 4064: Evolutionary Biology, BIOL/FW 4163: Biodiversity and Conservation Biology.

[3]Take one Physical Science without Laboratory Elective course from the following: BIOL/CHEM 3353: Fundamentals of Toxicology, CHEM 3313: Environmental Chemistry, GEOL 3083: Hydrogeology, GEOL 3153: Environmental Geology, PHSC 3033: Meteorology.

Revised 05.24.23

[4]Take two GIS and Research courses from the following: ENVS 4114: Environmental Science Internship, ENVS 4884: Advanced Topics in Environmental Science, ENVS 4954: Undergraduate Research in Environmental Science, FW/GEOG 2833: Introduction to Geographic Information Systems, FW 3074: Habitat Evaluation, FW 4034: Geographic Information Systems in Natural Resources.
[5]Take one Physical Science with Laboratory Elective course from the following: CHEM 3245: Quantitative Analysis, CHEM 4414: Instrumental Analysis, PHYS 2024: Algebra-Based Physics II.
[6]Take one Field Biology course from the following: BIOL/FW 4024: Limnology, BIOL 4094: Coastal Ecology, ENVS 4124: Biological Assessment of Water Quality, FW 4014: Forest Ecology and Management, FW 4064: Wetland Ecology Management.
[7]Take two Human Dimension courses from the following: ANTH 2003: Cultural Anthropology, ANTH 2103: Ozark-Ouachita Studies, ANTH 2303: Globalization, SOC 3033: Environment and Society, SOC 3113: Social Movements and Social Change, or FW 4103: Human Dimensions of Fisheries and Wildlife Management.
[8]At least 40 upper level hours are required for the 120 hours degree.