



2+2 Degree Plan
Associate of Science - Liberal Arts & Sciences NWACC
Bachelor of Science - Environmental Science ATU



Northwest Arkansas Community College Courses (60 credit hours)

General Education Requirements (35 credit hours)

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

Math (3 hours)			ATU equivalent	Hours
MATH	1203	College Algebra ¹	MATH 1113 College Algebra	3

Lab Sciences (8 hours)			ATU equivalent	Hours
BIOL	1544	Principles of Biology I	BIOL 1114 Principles of Biology	4
CHEM	1104	College Chemistry I	CHEM 2124 General Chemistry I	4

U.S. History/Government (3 hours) <i>Choose One</i>			ATU equivalent	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
PLSC	2003	American National Government	POLS 2003 American Government	3

Fine Arts & Humanities (6 hours) <i>Choose Two</i>			ATU equivalent	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 I	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

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

Social Sciences (9 hours)			ATU equivalent	Hours
SOCI	2013	General Sociology AND	SOC 1003 Introduction to Sociology	3
ECON	2013	Macroeconomics AND	ECON 2003 Principles of Economics I	3
ANTH	1023	Intro. to Cultural Anthropology OR	ANTH 2003 Cultural Anthropology	3
HIST	1033	World Civilizations to 1500 OR	HIST 1503 World History to 1500	
HIST	1043	World Civilizations from 1500 OR	HIST 1513 World History since 1500	
PHIL	2003	Introduction to Philosophy OR	PHIL 2003 Introduction to Philosophy	3
PSYC	2003	General Psychology	PSY 2003 General Psychology	

*See Arkansas Course Transfer System (ADHE-ACTS) for social sciences credit alternatives.

Northwest Arkansas Community College Courses
Associates Degree Requirements & Electives (25 credit hours)

			ATU equivalent	Hours
BOTY	2534	Environmental Biology	BIOL/ENVS/PHSC 1004 Principles of Environmental Science	4
GEOL	1114	General Geology	GEOL 1014 Physical Geology	4
BIOL	1604	General Zoology	BIOL 2124 Principles of Zoology	4
BOTY	1614	Plant Biology	BIOL 2134 Principles of Botany	4
COMM	1303	Public Speaking	COMM 2003 Public Speaking	3
PSYC	2013	Intro to Statistics for Behavioral and Social Sciences	SOC/PSY 2053 Statistics for the Behavioral Sciences	3
		Approved Electives*		3

*Suggested Approved Electives: ENSC 2303 Haz Mat Response, ENSC 2413 Environmental Compliance Documentation, ENSC 2931 Undergraduate Research II, or GEOL 1124 Environmental Geology

Arkansas Tech University Courses (60 credit hours)

BIOL	1011	Orientation to Biological Sciences	Waive*
CHEM	2134	General Chemistry II	4
BIOL/FW	3114	Principles of Ecology	4
BIOL/ENVS	3043	Conservation	3
CHEM	3254	Fundamentals of Organic Chemistry	4
FW MATH	3173 2914	Biostatistics** OR Calculus I	3-4
ENVS/CHEM/ BIOL/GEOL	3111	Environmental Seminar	1
CHEM	3264	Mechanistic Organic Chemistry	4
PHYS	2014	Algebra-Based Physics I	4
ENVS FW	4133 3053	Environmental Policy OR Fisheries and Wildlife Administration	3
	Elective	Life Science ² (3000-4000 level)	7
	Elective	Physical Science Elective without Lab ³ OR GIS and Research ^{4,8} (3000-4000 level)	7
	Elective	Physical Science Elective with Lab ^{5,8} OR Field Biology ⁶ (3000-4000 level)	4
	Elective	Field Biology ⁶ OR Physical Science Elective with Lab ^{5,8} (3000-4000 level)	4
		Human Dimensions ^{7,8}	3
		GIS and Research ^{4,8}	4

*Waive ATU BIOL 1011 Orientation to Biological Sciences for NWACC transfer students into ATU Environmental Science.

**Students who select FW 3173 will need to take one additional elective credit hour.

¹Student may sub any higher level MATH course

²Take 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..

³Take 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.

⁴Take 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.

⁵Take one Physical Science with Laboratory Elective course from the following: CHEM 3245: Quantitative Analysis, CHEM 4414: Instrumental Analysis, PHYS 2024: Algebra-Based Physics II.

⁶Take 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.

⁷Take 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.

⁸At least 40 upper level hours are required for the 120 hours degree.