



2+2 Degree Plan
Associate of Science Liberal Arts and Science- ASU Beebe
Bachelor of Science Environmental Science – ATU
2023-24 Catalog



ASU Beebe (60 credit hours)

General Education Core – 35 hours

University Requirement (1-3 hours)			ATU equivalent	Hours
UNIV	1001	Principles of Academic Success*	Elective Credit	1
UNIV	1003	Principles of Academic Success	Elective Credit	3

*Students enrolled in remedial courses are not eligible for this course.

English/Communications (9 hours)			ATU equivalent	Hours
ENG	1003	Freshman English I	ENGL 1013 Composition I	3
ENG	1013	Freshman English II	ENGL 1023 Composition II	3
SPCH	1203	Oral Communication	COMM 2003 Public Speaking	3

Math (3 hours)			ATU equivalent	Hours
MATH	1023	College Algebra*	MATH 1113 College Algebra	3

*required to satisfy degree requirements at ATU.

U.S. History/Government (3 hours)			ATU equivalent	Hours
POSC	2103	Introduction to U. S. Government <i>or</i>	POLS 2003 American Government	3
HIST	2763	The United States to 1876 <i>or</i>	HIST 2003 U. S. History to 1877	
HIST	2773	The United States since 1876	HIST 2013 U.S. History since 1877	

World History (3 hours)			ATU equivalent	Hours
HIST	1013	World Civilization to 1660 <i>or</i>	HIST 1503 World History to 1500	3
HIST	1023	World Civilization since 1660	HIST 1513 World History since 1500	

Fine Arts & Humanities (3 hours)			ATU equivalent	Hours
ART	2503	Fine Arts – Visual <i>or</i>	ART 2123 Experiencing Art	3
MUS	2503	Fine Arts – Musical <i>or</i>	MUS 2003 Introduction to Music	
THEA	2503	Fine Arts – Theatre <i>or</i>	TH 2273 Introduction to Music	
THEA	2513	Fine Arts – Film <i>or</i>	JOUR/ENGL 2173 Introduction to Film	
HUM	2003	Intro to Humanities I: Greece & Rome <i>or</i>	GEHM 2xxx Gen. Ed. Humanities Credit	
HUM	2013	Intro to Humanities II: Europe	GEHM 2xxx Gen. Ed. Humanities Credit	

Literature (3 hours)			ATU equivalent	Hours
ENG	2003	World Literature I <i>or</i>	ENGL 2003 Intro. to World Literature	3
ENG	2013	World Literature II <i>or</i>	GEHM 2xxx Gen. Ed. Humanities Credit	
PHIL	1103	Introduction to Philosophy	PHIL 2003 Introduction to Philosophy	

Social Sciences (3 hours)			ATU equivalent	Hours
SOCI	2013	General Sociology* <i>or</i>	SOC 1003 Introduction to Sociology	3
ECON	2313	Principles of Economics*	ECON 2003 Principles of Macroeconomics	

*Choose one to satisfy degree requirements at ATU.

Physical and Life Science (8 hours)			ATU equivalent	Hours
BIOL	1014	Principles of Biology	BIOL 1114 Principles of Biology	4
CHEM	1014	General Chemistry I	CHEM 2124 General Chemistry I	4

ASU Beebe

Associates Degree Requirements & Electives (25 credit hours)

ASU Beebe Course			ATU equivalent	Hours
ESCI	1004	Intro. to Environmental Science	ENVS/BIOL/PHSC 1004 Principles of Environmental Science	4
CHEM	1024	General Chemistry II	CHEM 2134 General Chemistry II	4
ZOOL	1204	Principles of Zoology	BIOL 2124 Principles of Zoology	4
BOT	1104	General Botany	BIOL 2134 Principles of Botany	4
MATH	1033	Plane Trigonometry	MATH 1203 Plane Trigonometry	3
MATH	2205	Calculus I	MATH 2914 Calculus I	4
			GENL 2xxx General Elective Credit	1

Arkansas Tech University Courses (68-71 credit hours)

BIOL	1011	Orientation to Biological Sciences*		Waive
GEOL	1014	Physical Geology		4
SOC	1003	Introduction to Sociology <i>or</i>		3
ECON	2003	Principles of Economics I (<i>students should choose course not taken at ASUB</i>)		
STAT	2163	Introduction to Statistical Methods		3
PHYS	2014	2014 Algebra-Based Physics I and		4
PHYS	2000	2000 Physics Laboratory I		
BIOL/FW	3114	Principles of Ecology		4
BIOL/ENVS	3043	Conservation		3
CHEM	3254	Fundamentals of Organic Chemistry		4
BIOL/CHEM/ ENVS/GEOL	3111	Environmental Seminar		1
CHEM	3254	Fundamentals of Organic Chemistry		4
CHEM	3264	Mechanistic Organic Chemistry		4
ENVS	4113	Environmental Policy <i>or</i>		3
FW	3053	Fisheries and Wildlife Administration		
		Life Science ²		7-8
		Physical Science Elective without Lab ³ <i>or</i> GIS and Research ^{4,8}		6-7
		Human Dimensions ^{7,8}		6
		Physical Science Elective with Lab ^{5,8} <i>or</i> Field Biology ⁶		8-9
		GIS and Research ^{4,8}		4

*Waive BIOL 1011 for ASUB transfer students.

²Take two Life Science Elective courses from the following: BIOL 4043: Conservation Genetics, BIOL 3004: Plant Taxonomy, BIOL 3034: Genetics, BIOL 3043: Conservation, 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 4043: Conservation Genetics, 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: BIOL 3033: Bioinformatics, 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.