

ADDENDUM
2+2 Degree Plan
Associate of Science – Liberal Arts & Sciences – ASU – Beebe (60 credit hours)
Bachelor of Science (Biology-General Option) - ATU

Possible Prerequisites			Semester	Hours
UNIV	1003	Principles of Academic Success (required if registered in remedial course)		N/C
ENG	0013	Precollege Literacy		N/C
ENG	0023	College Literacy (taken with ENG 1003-Freshmant English I)		N/C
MATH	0013	Foundations of Algebra I		N/C
MATH	0112	Review for College Algebra (taken with MATH 1023 – College Algebra)		N/C

Arkansas State University Beebe Courses (60 credit hours)

General Education Requirements (35 credit hours)

English/Communications (9 hours)			ATU equivalent	Semester	Hours
ENG	1003	Freshman English I	ENGL 1013 Composition I		3
ENG	1013	Freshman English II	ENGL 1023 Composition II		3
SPCH	1203	Oral Communications	COMM 1003 Introduction to Speech*		3

*Will allow COMM 1003 to substitute as COMM 2003 Public Speaking for ASU Beebe transfer students into ATU Environmental Science.

Literature (3 hours)			ATU equivalent	Semester	Hours
ENG	2003	World Literature I OR	ENGL 2003 Introduction to World Lit.		3
ENG	2013	World Literature II	GEHM 2XXX Gen Ed Humanities		3

Arts and Humanities (3 hours)			ATU equivalent	Semester	Hours
ART	2503	Fine Arts – Visual OR	ART 2123 Experiencing Art		3
MUS	2503	Fine Arts – Music OR	MUS 2003 Introduction to Music		3
THEA	2503	Fine Arts - Theater	TH 2273 Introduction to Theater		3

U.S. History/Government (3 hours)			ATU equivalent	Semester	Hours
HIST	2763	The U.S. to 1876 OR	HIST 2003 U.S. History to 1877		3
HIST	2773	The U.S. since 1876 OR	HIST 2013 U.S. History since 1877		3
POSC	2103	Intro to US Government	POLS 2003 American Government		3

World History (3 hours)			ATU equivalent	Semester	Hours
HIST	1013	World Civilization to 1660 OR	HIST 1503 World Civilization to 1660		3
HIST	1023	World Civilization since 1660	HIST 1513 World Civilization since 1660		3

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

Social Science (3 hours)*			ATU equivalent	Semester	Hours
SOC	2213	Principles of Sociology OR	SOC 1003 Principles of Sociology		3
PSY	2013	Introduction to Psychology	PSY 2003 Introduction to Psychology		3

* Any course from the following departments that has not been used above: HIST, SOC, POSC, ECON, PSY & GEOG

Lab Science (8 hours)			ATU equivalent	Semester	Hours
BIOL	1014	Principles of Biology	BIOL 1114 Principles of Biology		4
CHEM	1014	General Chemistry I	CHEM 2124 General Chemistry I and CHEM 2120 General Chemistry I Lab		4

Liberal Arts & Science Electives (25 credit hours)

Electives			ATU equivalent	Semester	Hours
BOT	1104	General Botany	BIOL 2134 Principles of Botany		4
ZOOL	1204	Principles of Zoology	BIOL 2124 Principles of Zoology		4
CHEM	1024	General Chemistry II	CHEM 2134 General Chemistry II and CHEM 2130 General Chemistry II Lab		4
MATH	1033	Plane Trigonometry	MATH 1203 Plane Trigonometry		3
PHYS	2054	General Physics I	PHYS 2014 Physical Principles I and PHYS 2000 Physics Laboratory I		4
PHYS	2064	General Physics II	PHYS 2024 Physical Principles II and PHYS 2010 Physics Laboratory II		4
PE		2 Hour Physical Education elective	ATU biology major requirement		2

Arkansas Tech University Courses (60 credit hours)

MATH	Elective ¹	Math Elective	3
COMS	Elective ²	Computer Science Elective	3
CHEM	3254	Fundamentals of Organic Chemistry	4
CHEM	3264	Mechanistic Organic Chemistry	4
BIOL	3034	Genetics	4
BIOL	3114 or 4094	Principles of Ecology OR Coastal Ecology	4
BIOL	4891	Seminar in Biology	1
BIOL	Elective ^{3,5}	Biology Electives (upper division)	15-14
BIOL	Elective ⁴	Cellular Elective	3-4
BIOL	Elective	Physiology Elective	4
Electives	Elective ⁵	Upper Division Electives	15

*Will waive ATU BIOL 1011 Orientation to Biological Sciences for ASU-Beebe transfer students into ATU Biology.

¹Three hours of mathematics above MATH 1113 College Algebra. Courses in the areas of statistics, biostatistics, and/or calculus are recommended (e.g. MATH 2163 Introduction to Statistical Methods, PSY/SOC 2053 Statistics for the Behavioral Sciences, FW 3173 Biostatistics, MATH 2243 Calculus for Business and Economics and/or MATH 2914 Calculus I).

²Three hours of computer science.

³Sufficient courses at 3000-4000 level to constitute a total of 40 hours. At least 2 credit-hours of biology research or internship is recommended (BIOL 4112-4 Biology Internship or BIOL 4951-4 Undergraduate Research in Biology)

⁴The physiology choices include: (BIOL 3074 Human Physiology, BIOL 3124 General Physiology, BIOL 3174 Physiological Ecology, BIOL 4014 Endocrinology). The choices in the area of cell or molecular biology include: (BIOL 4033 Cell Biology, BIOL 4074 Molecular Genetics, BIOL 3054 Microbiology, BIOL 4023 Immunology). One course in each area is required. Other alternatives must be approved by your advisor and Department Head. A 3-hour selection in the Cellular elective area must be balanced by 4-hours (rather than 3-hours) of biology upper division electives. Alternatively, a 4-hour selection in the

Cellular area must be balanced by a 3-hour (rather than 4-hours) of biology upper division electives (18 hours total).

⁵Sufficient courses at 3000-4000 level to constitute a minimum total of 40 hours. Total number of hours overall for bachelor degree must be a minimum of 120 hours.



Chief Academic Officer
Arkansas Tech University

10/23/17

Date



Chief Academic Officer
Arkansas State University – Beebe

11/15/17

Date