**Possible Prerequisites Semester Hours**

**ADDENDUM**

**2+2 Degree Plan**

**Associate of Science – Liberal Arts & Sciences – ASU – Beebe (60 credit hours)**

**Bachelor of Science (Biology-General Option) - ATU**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 | Elective1 | Math Elective | 3 |
| COMS | Elective2 | 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 | Elective3,5 | Biology Electives (upper division) | 15-14 |
| BIOL | Elective4 | Cellular Elective | 3-4 |
| BIOL | Elective | Physiology Elective | 4 |
| Electives | Elective5 | 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.

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Chief Academic Officer Chief Academic Officer

Arkansas Tech University Arkansas State University – Beebe

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Date Date