

# AGRICULTURE BUSINESS

## BACHELOR OF SCIENCE IN AGRICULTURE BUSINESS - PRE-VETERINARY MEDICINE

A degree in Agriculture Business-Pre-Veterinary Medicine option at Arkansas Tech University prepares you to apply to the Veterinary School of your choice to continue your educational goal. The program will also provide the necessary prerequisites for continuing your education in graduate school, meeting the prerequisites for most Veterinary Medicine programs. Pre-Veterinary students are able to draw on the real-world experiences of our faculty members.

In addition to utilizing our talented faculty and staff, you will make full use of the many classrooms and teaching laboratories found in Dean Hall, the Greenhouse Classroom and our extensive Outdoor Learning Laboratory located on three sides of the ATU campus. Hands-on experience working with our fully operational beef and swine herds helps to prepare you to continue your education at the graduate level in animal science, veterinary medicine, and many other medical fields.

### Curriculum

The matrix below is a sample plan for all coursework required for this program.

#### Freshman

Fall	Credits
ENGL 1013 Composition I <sup>1</sup>	3
BIOL 1114 Principles of Biology	4
COMS 1003 Introduction to Computer Based Systems	3
MATH 1113 College Algebra	3
AGAS 1014 Principles of Animal Science	4
AGBU 1001 Agriculture Orientation	1
<b>Total Hours</b>	<b>18</b>

Spring	Credits
ENGL 1023 Composition II <sup>1</sup>	3
BIOL 2124 Principles of Zoology	4
CHEM 2124 General Chemistry I and CHEM 2120 General Chemistry I Lab	4
AGBU 1013 Principles of Agricultural Business	3
<b>Total Hours</b>	<b>14</b>

#### Sophomore

Fall	Credits
FAH 1XXX Fine Arts and Humanities Courses <sup>1</sup>	3
CHEM 2134 General Chemistry II and CHEM 2130 General Chemistry II Lab	4

Fall	Credits
PHYS 2014 Algebra-Based Physics I and PHYS 2000 Physics Laboratory I	4
COMM 2173 Business and Professional Speaking	3
AGBU 2063 Principles of Agricultural Macroeconomics	3
<b>Total Hours</b>	<b>17</b>

Spring	Credits
ACCT 2033 Fundamental Accounting Concepts	3
BLAW 2033 Legal Environment of Business or AGBU 3033 Legal Environment of Agriculture Business	3
PHYS 2024 Algebra-Based Physics II and PHYS 2010 Physics Laboratory II	4
AGAS 2084 Feeds and Feeding	4
AGBU 2073 Principles of Agricultural Microeconomics	3
<b>Total Hours</b>	<b>17</b>

**Junior**

Fall	Credits
FAH 1XXX Fine Arts and Humanities Courses <sup>1</sup>	3
USHG 1XXX U.S. History and Government <sup>1</sup>	3
CHEM 3254 Fundamentals of Organic Chemistry	4
AGAS 4203 Livestock and Poultry Nutrition	3
AGBU 3213 Career Development in Agriculture	3
<b>Total Hours</b>	<b>16</b>

Spring	Credits
CHEM 3264 Mechanistic Organic Chemistry	4
ENGL 2053 Technical Writing	3
STAT 2163 Introduction to Statistical Methods	3
AGAS 3933 Animal Breeding and Genetics	3
<b>Total Hours</b>	<b>13</b>

**Senior**

Fall	Credits
AGAS 3004 Reproduction in Farm Animals	4
AGBU 4003 Agri-Business Management	3
AGBU 4013 Agricultural Marketing	3

<b>Fall</b>	<b>Credits</b>
AGBU 4973 Senior Seminar in Agriculture Business	3
<b>Total Hours</b>	<b>13</b>

<b>Spring</b>	<b>Credits</b>
BIOL 3054 Microbiology	4
CHEM 3344 Principles of Biochemistry	4
AGBU 4023 Agricultural Finance	3
AGBU 4033 Agricultural Policy	3
<b>Total Hours</b>	<b>14</b>

<sup>1</sup>See appropriate alternatives or substitutions in "[General Education Requirements](#)".