



AGRICULTURE, JOHN DEERE, & VETERINARY

Agriculture—AS

Division of Business and Agriculture

A baccalaureate program in Agricultural Business is available on the Beebe campus through ASU-Jonesboro. Interested students should contact the agriculture department or the ASU-Jonesboro program office.

ASU-Beebe offers a two-year program of study leading to an Associate of Science degree. The Agriculture Department also offers students the flexibility of selecting a course of study that will lead to majors such as Agricultural Education, Agricultural Business, Plant Science, Agricultural Science, and Animal Science.

The program may be designed to fit ASU-Jonesboro's curriculum or tailored to meet the requirements of other institutions to which students may be transferring. Employment opportunities in the field of agriculture are extremely broad. Career opportunities exist in agriculture business, industry, research, teaching, farming, food processing, extension and financial agencies.

A suggested plan of study in this area is given below. Students should select courses with the approval of a departmental advisor in order to fulfill the requirements of the four-year institution to which they plan to transfer.

ASSOCIATE OF SCIENCE AGRICULTURE

Total Program = 60 Credit Hours

The fourth digit in the course number indicates the number of credit hours.

UNIVERSITY REQUIREMENT—1 OR 3 HOURS

University—1 HOUR or 3 HOURS

UNIV	1001	Principles of Academic Success I	Department
UNIV	1003	Principles of Academic Success III	University

Department

University
University

The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.

GENERAL EDUCATION CORE—35 HOURS

English/Communications—9 HOURS

ENG	1003	Freshman English I	Department
ENG	1013	Freshman English II	English
SPCH	1203	Oral Communications	English
			Speech

Department

English
English
Speech

Literature—3 HOURS. Choose one below.

ENG	2003	World Literature I	Department
ENG	2013	World Literature II	English

Department

English
English





Fine Arts/Humanities—3 HOURS. *Choose one below.*

- ART 2503 Fine Arts-Visual
- MUS 2503 Fine Arts-Musical
- THEA 2503 Fine Arts-Theatre
- THEA 2513 Fine Arts-Film
- HUM 2003 Introduction to Humanities I
- HUM 2013 Introduction to Humanities II

Department

- Art
- Music
- Theatre
- Theatre
- Humanities
- Humanities

U.S. History/Government —3 HOURS. *Choose one below.*

- POSC 2103 Introduction to U.S. Government
- HIST 2763 The U.S. to 1876
- HIST 2773 The U.S. Since 1876

Department

- Political Science
- History
- History

World History—3 HOURS. *Choose one below.*

- HIST 1013 World Civilization to 1660
- HIST 1023 World Civilization since 1660

Department

- History
- History

Mathematics—3 HOURS

- MATH 1023 College Algebra

Department

- Mathematics

Life Science—4 HOURS

- BIOL 1014 Principles of Biology

Department

- Biology

Physical Science—4 HOURS

- CHEM 1014 General Chemistry I

Department

- Chemistry

Social Sciences—3 HOURS

- ECON 2313 Principles of Macroeconomics

Department

- Economics

AGRICULTURE CORE—16 HOURS

- AGEC 1003 Introduction to Agricultural Economics
- ANSC 1204 Introduction to Animal Science
- AGRI 1213 Seminars in Agriculture: Making Connections
- PSSC 1303 Introduction to Plant Science
- PSSC 2813 Soils

Department

- Agricultural Economics
- Animal Science
- Agriculture
- Plant & Soil Science
- Plant & Soil Science

AGRICULTURE EMPHASES

The Associate of Science in Agriculture does not list an emphasis on the diploma or transcript. Choose only one emphasis below.

Agricultural Business—9 HOURS

- ACCT 2003 Principles of Accounting I
- ACCT 2013 Principles of Accounting II
- ECON 2323 Principles of Microeconomics

Department

- Accounting
- Accounting
- Economics

Agricultural Education—9 HOURS

- AGED 1411 Introduction to Agricultural and Extension Education
- ANSC 2213 Feeds and Feeding
- HORT 2204 General Horticulture
- PSSC 2811 Soils Laboratory

Department

- Agricultural Education
- Animal Science
- Horticulture
- Plant & Soil Science

Plant Science—9 HOURS

- BOT 1104 General Botany
- HORT 2204 General Horticulture
- PSSC 2811 Soils Laboratory

Department

- Botany
- Horticulture
- Plant & Soil Science





Agriculture Science—9 HOURS

- ANSC 2213 Feeds and Feeding
- ANSC 2623 Equine Health and Management
- PSSC 2803 Field Crops

Department

- Animal Science
- Animal Science
- Plant & Soil Science

Animal Science—9 HOURS

- ANSC 2213 Feeds and Feeding
- xxxx XXX2 Approved Elective(s)
Choose one below.
- CHEM 1024 General Chemistry II
- CHEM 1034 Introduction to Organic and Biochemistry
- BIOL 2104 Microbiology

Department

- Animal Science
- Chemistry
- Chemistry
- Biology

Agriculture—TC

Division of Business and Agriculture

Technical certificates are available for those students who desire preparation for more immediate entry into the work force.

**TECHNICAL CERTIFICATE
AGRICULTURE**

Total Program = 31/32 Credit Hours

The fourth digit in the course number indicates the number of credit hours.

AGRICULTURE CORE/ELECTIVES—31/32 HOURS

Core Requirements—19 HOURS

- ENG 1003 Freshman English I
- MATH 1013 Technical Math M (or higher)
- AGEC 1003 Introduction to Agricultural Economics
- AGRI 1213 Seminars in Agriculture: Making Connections
- ANSC 1204 Introduction to Animal Science
- PSSC 1303 Introduction to Plant Science

Department

- English
- Mathematics
- Agricultural Economics
- Agriculture
- Animal Science
- Plant & Soil

Electives—12/13 HOURS. *Select four courses below.*

- ACCT 2003 Principles of Accounting I
- ANSC 2213 Feeds and Feeding
- ANSC 2623 Equine Health and Management
- ECON 2313 Principles of Macroeconomics
- HORT 2204 General Horticulture
- PSSC 2803 Field Crops

Department

- Accounting
- Animal Science
- Animal Science
- Economics
- Horticulture
- Plant & Soil Science





John Deere—AAS

Agriculture Equipment Technology (John Deere)

Division of Advanced Technology and Allied Health

The Associate of Applied Science in Agriculture Equipment Technology is designed to develop students as John Deere service technicians. The curriculum is designed by John Deere and ASU-Beebe to focus on the entire line of John Deere products. The goal is to provide the students with experience in hydraulics, electrical systems, engines, power trains, air conditioning, machine adjustments, Service Advisors, and the entire service system.

**ASSOCIATE OF APPLIED SCIENCE
AGRICULTURE EQUIPMENT TECHNOLOGY**

Total Program = 60 Credit Hours

The fourth digit in the course number indicates the number of credit hours.

UNIVERSITY REQUIREMENT—1 OR 3 HOURS

University—1 HOUR or 3 HOURS

- UNIV 1001 Principles of Academic Success I
- UNIV 1003 Principles of Academic Success III

Department

- University
- University

The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.

AGRICULTURE EQUIPMENT TECHNOLOGY—60 HOURS

* These courses have lab hours in addition to lecture hours.

FIRST YEAR

First Semester—13 HOURS

- CIS 1503 Microcomputer Applications I
- JDAT 1113 JD Controls & Instrumentation*
- JDAT 1002 JD Agricultural Electrical Systems*
- JDAT 1023 Agricultural Hydraulics*

Department

- Comp Info Sys
- Agri Equip Tech
- Agri Equip Tech
- Agri Equip Tech

Second Semester—15 HOURS

- ENG 1003 Freshman English I
- MATH 1013 Technical Mathematics A (or higher)
- JDAT 1002 John Deere Air Quality Systems*
- JDAT 1014 Tractor Power Trains*
- JDAT 1033 JD Consumer Products & Systems*

Department

- English
- Mathematics
- Agri Equip Tech
- Agri Equip Tech
- Agri Equip Tech

Summer Session—6 HOURS

- JDAT 1046 Dealer Internship I (12 weeks)

Department

- Agri Equip Tech

SECOND YEAR

First Semester—14 HOURS

- JDAT 2003 Harvesting Equipment*
- JDAT 1014 Precision Farming Technologies*

Department

- Agri Equip Tech
- Agri Equip Tech





JDAT 2033 John Deere Engine Systems* Agri Equip Tech
Choose one below.

ENG 1013 Freshman English II English
 ENG 2033 Technical Communications

Second Semester—12 HOURS

JDAT 2014 Advanced Tractor Diagnostics* Agri Equip Tech
 JDAT 2023 Dealer Internship II Agri Equip Tech
 JDAT 2053 JD Technician Certifications* Agri Equip Tech

Select one social science course from the following departments.

HIST	History
SOC	Sociology
POSC	Political Science
ECON	Economics
PSY	Psychology
GEOG	Geography

Veterinary Technology—AAS

Division of Business and Agriculture

The Veterinary Technology Program conducted by ASU-Beebe is granted Full Accreditation effective March 14, 2014, by the American Veterinary Medical Association (AVMA) and Committee on Veterinary Technician Education and Activities (CVTEA). The Veterinary Technology program provides hands-on education in veterinary technology operations. Students will develop basic and intermediate level competencies necessary to obtain employment in veterinary hospitals and industry, and the basic knowledge to pass the VTNE. Students will be assigned kennel duties and be responsible for the care and welfare of live animals.

A veterinary technician graduate will have entry level skills to assist licensed veterinarians in providing any healthcare to patients with the exception of diagnosing, prescribing drugs or performing surgery. Technicians generally perform routine tasks such as blood collection, CBCs, differentials, serology, clinical chemistries, urinalysis, radiograph exposure and development, dental prophylaxis, treatments as prescribed, client education, anesthetic induction, and monitoring during surgery and many other tasks.

Students may take the Veterinary Technician National Exam (VTNE) six months prior to graduation. Successfully completing the degree and passing the VTNE, students can then be certified in the State of Arkansas.

Interested applicants will submit an application for admission to the Veterinary Technology program by March 31 each year. Forty new applicants will receive provisional admission each year. First year students will start in the fall of each academic year. Applicants must have met admission requirements for the University and scored a 19 or higher on the ACT or have achieved the equivalent scores on other Placement Exam in all tested subject areas. Students will be required to complete CHEM 1003, Introduction to Chemistry. Chemistry in high school does not satisfy this requirement.

Twenty students will be accepted into the second year of the Veterinary Technology program. Up to 24 students may be admitted under special circumstances and considered on a case-by-case basis. Acceptance into the second year of the program is limited to those students who have met the selection criteria. Students are given the selection criteria sheet at the beginning of their first year.





All General Education Core classes and Veterinary Technology courses must be passed with a “C” grade to remain in the Veterinary Technology program. Students who do not pass any course with a “C” or better will not be allowed to continue the program. Students will be dropped from the program. Readmission to the program will be considered if space is available. For readmission to the Veterinary Technology Program, students will resubmit an application and complete the application process. Students must complete this program within 5 years from the date they first received provisional admission to the Veterinary Technology Program. Students who cannot complete the program within 5 years will not be readmitted.

ASSOCIATE OF APPLIED SCIENCE VETERINARY TECHNOLOGY

Total Program = 71 Credit Hours

The fourth digit in the course number indicates the number of credit hours.

UNIVERSITY REQUIREMENT—1 OR 3 HOURS

University—1 HOUR or 3 HOURS

- UNIV 1001 Principles of Academic Success I
- UNIV 1003 Principles of Academic Success III

Department

- University
- University

The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.

VETERINARY TECHNOLOGY REQUIREMENTS

Semester I Fall—16 hours

- BIOL 1014 Principles of Biology
- ENG 1003 Freshman English I
- MATH 1013 Technical Mathematics, Module V
- VET 1103 Veterinary Medical Terminology
- VET 1113 Breeds, Restraint, and First Aid

Department

- Biology
- English
- Mathematics
- Veterinary Technology
- Veterinary Technology

Semester II Spring—16 hours

- CIS 1503 Microcomputer Applications I
- VET 1023 Laboratory Techniques I
- VET 1044 Veterinary Technology Anatomy and Physiology I
- VET 2403 Clinic Management

Department

- Comp Info Sys
- Veterinary Technology
- Veterinary Technology
- Veterinary Technology

Choose one below.

- PSY 2013 Introduction to Psychology
- SOC 2213 Principles of Sociology

- Psychology
- Sociology

At the start of this semester, students should be fully accepted in the program.

Semester III Fall—17 hours

- CHEM 1003 Introduction to Chemistry
- VET 1144 Veterinary Technology Anatomy and Physiology II
- VET 2103 Animal Reproduction, Nutrition, and Production
- VET 2114 Clinics and Nursing
- VET 2123 Laboratory Techniques II

Department

- Veterinary Technology
- Veterinary Technology
- Veterinary Technology
- Veterinary Technology





Semester IV Spring—16 hours

- VET 2213 Wild, Zoo and Lab Animal Care
- VET 2223 Veterinary Technology Radiology
- VET 2233 Veterinary Technology Pharmacology
- VET 2414 Animal Pathology
- VET 2443 Capstone

Semester V Summer—6 hours

- VET 2316 Preceptorship

Department

- Veterinary Technology
- Veterinary Technology
- Veterinary Technology
- Veterinary Technology
- Veterinary Technology

Department

- Veterinary Technology

