

## Career Education

### Agriculture Equipment Technology (John Deere)

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 (John Deere)

Total Program = 60 Credit Hours

#### University Requirement - 1 or 3 hours

##### University Requirement

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.*

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

#### Agriculture Equipment Technology - 60 hours

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

#### First Year

##### First Semester - 13 hours

##### First Year, First Semester

CIS 1503 Microcomputer Applications I

JDAT 1113 John Deere Controls and Instrumentation

JDAT 1004 John Deere Agricultural Electric Systems

JDAT 1023 Agricultural Hydraulics

##### Department

Computer Information Systems

Agriculture Equipment Technology  
(John Deere)

Agriculture Equipment Technology  
(John Deere)

Agriculture Equipment Technology  
(John Deere)

*Certificate of Proficiency in Agricultural Mechatronics Awarded*

##### Second Semester - 15 hours

##### First Year, Second Semester

##### Department

|           |   |  |
|-----------|---|--|
| ENG 1003  | Freshman English I                              | English  |
| MATH 1013 | Technical Mathematics A, B, C, D, E, J, M and V | Mathematics                                      |
| JDAT 1003 | John Deere Air Quality Systems                  | Agriculture Equipment Technology<br>(John Deere) |
| JDAT 1014 | Tractor Power Trains                            | Agriculture Equipment Technology<br>(John Deere) |
| JDAT 1033 | John Deere Consumer Products and Systems        | Agriculture Equipment Technology<br>(John Deere) |

*Certificate of Proficiency in Advanced Agricultural Mechatronics Awarded*

*Technical Certificate in Agricultural Systems and Controls Awarded*

## Summer Session - 6 hours

### Summer Session

*This course is 12 weeks.*

|           |                     |  |
|-----------|---------------------|--|
| JDAT 1046 | Dealer Internship I | Agriculture Equipment Technology<br>(John Deere) |
|-----------|---------------------|--|

## Second Year

### First Semester - 12 hours

#### Second Year, First Semester

|           |                              |  |
|-----------|------------------------------|--|
| JDAT 1014 | Tractor Power Trains         | Agriculture Equipment Technology<br>(John Deere) |
| JDAT 2003 | Harvesting Equipment         | Agriculture Equipment Technology<br>(John Deere) |
| JDAT 2014 | Advanced Tractor Diagnostics | Agriculture Equipment Technology<br>(John Deere) |

#### Second Year, First Semester

Choose one course below.

|          |                                     |         |
|----------|-------------------------------------|---------|
| ENG 1013 | Freshman English II                 | English |
| ENG 2033 | Technical Writing and Communication | English |

### Second Semester - 13 hours

#### Second Year, Second Semester

|           |                                      |  |
|-----------|--------------------------------------|--|
| JDAT 2023 | Dealer Internship II                 | Agriculture Equipment Technology<br>(John Deere) |
| JDAT 2033 | John Deere Engine Systems            | Agriculture Equipment Technology<br>(John Deere) |
| JDAT 2053 | John Deere Technician Certifications | Agriculture Equipment Technology<br>(John Deere) |

#### Second Year, Second Semester

Select one social science course below.

### Department

### Department

### Department

### Department

### Department

|      |      |  |                   |
|------|------|--|-------------------|
| HIST | 1013 | World Civilization to 1660                     | History           |
| HIST | 1023 | World Civilization since 1660                  | History           |
| HIST | 2083 | History of Arkansas                            | History           |
| HIST | 2093 | Russian History                                | History           |
| HIST | 2263 | A Survey of Asian History                      | History           |
| HIST | 2273 | A Survey of African History                    | History           |
| HIST | 2283 | American Military History                      | History           |
| HIST | 2763 | The United States to 1876                      | History           |
| HIST | 2773 | The United States Since 1876                   | History           |
| HIST | 2893 | American Minorities                            | History           |
| SOC  | 2213 | Principles of Sociology                        | Sociology         |
| SOC  | 2223 | Social Problems                                | Sociology         |
| SOC  | 2233 | Introduction to Cultural Anthropology          | Sociology         |
| SOC  | 2263 | Comparative Religions                          | Sociology         |
| POSC | 2103 | Introduction to United States Government       | Political Science |
| POSC | 2203 | State and Local Government                     | Political Science |
| POSC | 2213 | Legal Aspects of Environmental Management      | Political Science |
| POSC | 2323 | Principles of International Relations          | Political Science |
| ECON | 2313 | Principles of Macroeconomics                   | Economics         |
| ECON | 2323 | Principles of Microeconomics                   | Economics         |
| PSY  | 2013 | Introduction to Psychology                     | Psychology        |
| PSY  | 2533 | Life-span Development                          | Psychology        |
| PSY  | 2553 | Sensation and Perception                       | Psychology        |
| GEOG | 1233 | Introduction to Geographic Information Systems | Geography         |
| GEOG | 2603 | World Regional Geography                       | Geography         |
| GEOG | 2613 | Introduction to Geography                      | Geography         |

*Associate of Applied Science in Agricultural Equipment Technology Awarded*