

## 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 (John Deere)
JDAT 1014	Tractor Power Trains	Agriculture Equipment Technology (John Deere)
JDAT 1033	John Deere Consumer Products and Systems	Agriculture Equipment Technology (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	<b>Department</b> Agriculture Equipment Technology (John Deere)
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## Second Year

### First Semester - 12 hours

#### Second Year, First Semester

JDAT 1014	Tractor Power Trains	<b>Department</b> Agriculture Equipment Technology (John Deere)
JDAT 2003	Harvesting Equipment	Agriculture Equipment Technology (John Deere)
JDAT 2014	Advanced Tractor Diagnostics	Agriculture Equipment Technology (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	<b>Department</b> Agriculture Equipment Technology (John Deere)
JDAT 2033	John Deere Engine Systems	Agriculture Equipment Technology (John Deere)
JDAT 2053	John Deere Technician Certifications	Agriculture Equipment Technology (John Deere)

#### Second Year, Second Semester

Select one social science course below.

#### 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*