

John Deere Tech

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The John Deere Tech program is designed to develop technically competent, professional ag equipment service technicians. The John Deere Company, Minneapolis branch, sponsors the program and NDSCS administers and operates the program.

This unique program combines state-of-the-art, on-campus training with supervised occupational experiences at a sponsoring John Deere dealership. Students receive technical training on John Deere equipment and related products through a combination of classroom instruction and hands-on laboratory experiences. Classroom and laboratory instruction at NDSCS covers the basics of each subject plus the latest developments in John Deere's agricultural equipment. Work experience at the dealership reinforces on-campus training and exposes the student to real life failures and repairs as they occur on the equipment.

Green technology is addressed through changes in emission standards and alternative fuels that will continue to advance changes in this industry.

The John Deere Tech program takes six semesters, or approximately 24 months, to complete. The six semesters are divided into 10 terms, each approximately eight weeks in length. Students complete the second, third, fourth, sixth, seventh, ninth and 10th terms on campus and the first, fifth, and eighth terms at a sponsoring John Deere dealership.

Course Code	Course Title	Credits
DTEC 115	Introduction to Light and Medium Duty Engines	4
JDAT 105	Supervised Occupational Experience I	2
JDAT 106	John Deere Time Service Management	2
JDAT 110	Supervised Occupational Experience II	5
JDAT 114	Supervised Occupational Experience III	5
JDAT 116	John Deere Equipment Operation and Adjustment	4
JDAT 155	Introduction to Electrical Electronics	4
JDAT 215	John Deere Engine Rebuild	6
JDAT 225	John Deere Powertrains	7
JDAT 255	John Deere Electrical/Electronics	5
JDAT 260	Introduction to Ag Management Solutions (AMS)	3
JDAT 265	John Deere Tractor Hydraulic Systems Diagnosis	5
MFGT 120	Basic Welding I	1
TECH 109	Air Conditioning	2
TECH 165	Applied Fundamentals of Hydraulic Theory	5
Related/General Education Courses		
BADM 240	Sales	3
ENGL 110	College Composition I	3
English/Communication elective (choose one)		
ENGL 105	Technical Communications	
ENGL 120	College Composition II	
ENGL 125	Intro. To Professional Writing	
COMM 110	Fundamentals of Public Speaking	
MATH 120	Basic Mathematics I	2
MATH 123	Basic Mathematics II	2
MATH 125	Basic Mathematics III	2
Wellness elective(s)		
Computer elective		
Psychology elective		
FYE 101	Science of Success	1

TOTAL REQUIRED CREDITS 82

NOTE: 81 credits include two summer sessions

Suggested sequence of study

First Semester (first summer)

JDAT 105

Second Semester

JDAT 155

TECH 165

DTEC 115

JDAT 106

MATH 120

ENGL 105

FYE 101

Fourth Semester

JDAT 225

Wellness Electives

Fifth Semester

JDAT 255

JDAT 116

JDAT 114

MATH 125

Third Semester

JDAT 215

BADM 240

JDAT 110

MATH 123

Sixth Semester

TECH 120

MFGT 120

PSYC 100

JDAT 260

JDAT 265

CIS 101

ENGL 110



THE SCIENCE OF SUCCESS.

North Dakota State College of Science

Admission requirements

The applicants must be high school graduates or equivalent. Students considered for acceptance must complete all admission requirements. Special requirements include the completion of a Differential Aptitude Test and securing a John Deere dealership sponsor.

Award

Upon successful completion of the required courses, students will be awarded an Associate in Applied Science degree in John Deere Tech.

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