

# JOHN DEERE TECH

## AG MECHANIZATION TECHNOLOGY - AAS DEGREE PLAN

**PROGRAM INFORMATION:** The John Deere TECH program is designed to help prepare students for a career in the field of agriculture mechanization technology. The student will study the theory and practice required for employment with John Deere as agriculture technicians (ag. tech) where they will repair and maintain complex mechanized farm equipment. This is a high-tech program with limited enrollment. Students are asked to make applications to the John Deere TECH Department in early spring. They must have a John Deere sponsor for whom they will work between semesters; and they must take the TSI test and Mechanical Reasoning Tests prior to being accepted into the program. Students successfully completing the two-year program will receive an AAS Degree in Agriculture Mechanization technology and Certificates of Completion. For more information, please contact the Navarro College John Deere TECH Department.

### FRESHMAN YEAR - FALL

COURSE SECTION	COURSE TITLE	CREDIT HOURS
DEMR 1405	Basic Electrical Systems	4
DEMR 1301	Shop Safety and Procedures	3
ENGL 1301	Composition I	3
DEMR 1406	Diesel Engine I	4
XXXX	Approved Core Math	3
Fall Total Credit Hours		17

### FRESHMAN YEAR - SPRING

COURSE SECTION	COURSE TITLE	CREDIT HOURS
DEMR 1225	Small Air-Cooled Engines	2
DEMR 1229	Preventative Maintenance	2
DEMR 2339	Advanced Electrical Systems	3
DEMR 1449	Diesel Engine II	4
SPCH 1321	Business & Professional Communication	3
DEMR 1166	Practicum I	1
Spring Total Credit Hours		15

### FRESHMAN YEAR - SUMMER

COURSE SECTION	COURSE TITLE	CREDIT HOURS
DEMR 1466	Practicum II	4
Summer Total Credit Hours		4

### SOPHOMORE YEAR - FALL

COURSE SECTION	COURSE TITLE	CREDIT HOURS
DEMR 1416	Basic Hydraulics	4
AGME 1353	Harvesting Equipment	3
DEMR 1421	Power Train I	4
XXXX	Approved Language / Philosophy / Culture or Creative Arts	3
Fall Total Credit Hours		14

## SOPHOMORE YEAR - SPRING

DEMR 2332: Capstone must be taken in the final semester.

COURSE SECTION	COURSE TITLE	CREDIT HOURS
DEMR 1323	Heating, Ventilation & A/C (HVAC) Troubleshooting and Repair	3
DEMR 2338	Power Applications I	3
DEMR 2166	Practicum II	1
PSYC 2301	General Psychology	3
Spring Total Credit Hours		10
Program Total Credit Hours		