

John Deere

Agriculture Technology

AGT1011, JOHN DEERE SHOP SKILLS AND SAFETY FUNDAMENTALS, 1 hour.

This course addresses the procedures with respect to shop safety, shop organization in a John Deere dealership. Identification and proper use of tools, as well as the use of measuring equipment are also presented. Also included in the course is an orientation to John Deere manuals, warranty procedures, and shop tickets.

AGT1023, JOHN DEERE CONSUMER PRODUCTS, 3 hours.

This course is an introduction to John Deere Consumer Products and the systems. Basic theory of engine principles will be discussed with diagnosis and repair of intake/exhaust system, cooling systems, lubrication systems, cylinder heads, bearings, and crankshafts.

AGT1033, JOHN DEERE ELECTRICAL SYSTEMS, 3 hours.

This course is designed to teach basic electrical principles and application of Ohm's Law, electromagnetism, and safe utilization of electric test meters.

AGT1043, JOHN DEERE HARVESTING EQUIPMENT, 3 hours.

This course is designed to teach Hay and Forage Harvesting practices and equipment used for this process. Setting and repairing this equipment. The process and equipment used in Combine Harvesting. Repairs, operations and setting of harvesting equipment.

AGT1052, JOHN DEERE TILLAGE AND SEEDING EQUIPMENT, 2 hours.

This course will cover the principles and practices of the theory of John Deere tillage systems. Basic Tillage practices, and the benefits of them. This course will also cover the planting and seeding process and the equipment used. Class will also cover the maintenance and settings of the equipment used.

AGT2013, JOHN DEERE AG HYDRAULICS, 3 hours.

This course will cover the principles and practices of theory of John Deere hydraulic systems. Emphasis will be on diagnosis and repair procedures of hydraulic systems and hydrostatic drive systems. Technical manuals, test gauge work and flow-rater application will be addressed.

AGT2023, JOHN DEERE POWER TRAINS, 3 hours.

This course covers the theory of power transmission from the engine to the traction wheels. It includes the function and operation of clutches, all types of transmissions, hydrostatic drives, differentials, final drives, and power take offs. Complete disassembly, inspection, and reassembly of John Deere components will occur. Diagnosis, repair, and adjustment of John Deere transmissions will also be covered.

AGT2033, JOHN DEERE FUEL SYSTEMS, 3 hours.

This course will cover the basic understanding of the operating principles of John Deere fuel systems. Students will learn diagnosis, removal, installation and repair of John Deere fuel system components to include: fuel injection pumps, nozzle components, and filtering systems.

AGT2045, JOHN DEERE ENGINES, 5 hours.

This course is an introduction to John Deere engines and their systems. Basic theory of engine principles will be discussed along with diagnosis and repair of intake/exhaust, cooling, lubrication systems cylinder heads, bearings, and crankshafts.

AGT2053, JOHN DEERE HEATING AND AIR CONDITIONING, 3 hours.

This course will teach the theory and principles of operation, diagnosis, and repair of late model John Deere air conditioning, heating, and ventilation systems. Students will become certified for A/C service by complying with state and federal laws. Refrigerant recovery/recycling will be taught.

AGT2065, JOHN DEERE EQUIPMENT DIAGNOSTICS, 5 hours.

This course will cover the principles and practices of the theory of John Deere electrical systems and hydraulic systems. Emphasis will be on diagnosis and repair procedures of electrical systems and hydraulic systems. Technical Manuals, Service Advisor, Service Advisor remote, and theory of diagnosis will be emphasized in course

AGT2073, JOHN DEERE OCCUPATIONAL EXPERIENCE, 3 hours.

This course is designed to give the

student on-the-job experience in a John Deere Dealership. This will allow the student to practice and utilize the skills and knowledge learned previously. This work will be supervised by the sponsoring dealership and a Fort Scott Community College Ag Tech instructor.

AGT2082, JOHN DEERE AG MANAGEMENT SYSTEMS, 2 hours.

This course will cover the principles and practices of the theory of John Deere AMS. Emphasis will be on precision farming methods and techniques with some diagnosis and repair procedures. Technical Manuals, Service Advisor, Remote Display Access will be covered.

AGT2083, JOHN DEERE SERVICE ADVISOR, 3 hours.

This course was designed to make the students proficient in John Deere computer programs which include Service Advisor, Parts Advisor, Dealer Path, and Parts Expert. The course will focus on Service Advisor, the main program a technician must use, for the majority of class.

AGT2092, JOHN DEERE AG AFTERTREATMENT, 2 hours

This course is designed to educate the students on John Deere Aftertreatment systems used, starting in 2009 through the present. Students will learn by lecture, demonstrations and short labs, with an emphasis on the DOC/DPF and SCR/AOC systems. Students will also be required to take John Deere certification test throughout this class including DOC/DPF test and SCR/AOC systems test.

AGT2093, JOHN DEERE OCCUPATIONAL EXPERIENCE, 3 hours

This course is designed to give the student on-the-job experience in a John Deere Dealership. This will allow the student to practice and utilize the skills and knowledge learned previously. This work will be supervised by the sponsoring dealership and a Fort Scott Community College Ag Tech instructor.

T This course is approved by the Kansas Board of Regents for System Wide Transfer among all Kansas public postsecondary institutions offering an equivalent course. Additional courses may also be eligible for transfer. Please visit the FSCC Registrar to learn more. *Offered on demand only. +Offered in 1 to 3 hour increments.