DIESEL TECHNOLOGY - AGRICULTURE CONCENTRATION

The diesel technology agriculture concentration will teach you the basic knowledge and skills needed to service and repair diesel and gas-powered equipment. In addition to classroom study, students receive over 1,000 hours of lab training and 360 hours of actual experience through a summer cooperative internship program.

You'll learn to repair and test diesel fuel systems, engines, hydraulic systems, electronic control systems, power trains, brakes, electrical systems, and air conditioning systems, as well as gaining experience with various hand tools and test equipment. Related courses in math, computers, communications, human relations, and personal and business finance are included to prepare students for the world of work and to enhance technical skills. Classes are held Monday through Thursday, allowing for a three-day weekend.

(*Enrollment in this program is limited and is based on the date of application.*)

Required Program of Study for Associate of Applied Science Degree (2 years)

FRESHMAN YEAR

First Semester

Course	Credits
DESL 1010 Ag Electrical Systems Theory	2.5
DESL 1015 Ag Electrical Systems Lab	3.5
DESL 1065 Ag Air Conditioning Theory	2.5
DESL 1072 Ag Air Conditioning Lab	3.5
DESL 1095 Shop Processes and Safety	2
MATH 1020 Technical Mathematics I*	3
	17

Second Semester

Course	Credits
DESL 1055 Ag Power Trains and Farm Machines Theory	5
DESL 1082 Ag Power Trains and Farm Machines Lab	7
CAPL 1290 Introduction to Job Search and Employment	1
ENGL 1050 Workplace Communication	3
WELD 1010 Related Welding	0.5
WELD 1020 Related Welding Lab	1
	17.5

Required Summer (12 weeks)

DESL 1300 Cooperative Internship I	6
	6

SOPHOMORE YEAR

First Semester

Course	Credits
DESL 2015 Ag Electronics Theory	2.5
DESL 2035 Ag Electronics Lab	3.5
DESL 2070 Hydraulics Theory	2.5
DESL 2085 Hydraulics Lab	3.5
PSYC 1000 Human Relations	2
ECON 1010 Personal and Business Finance	2
	16

Second Semester

Course	Credits
DESL 2030 Ag Engines and Fuel Systems Theory	5
DESL 2045 Ag Engines and Fuel Systems Lab	7
INDT 1040 Industrial Process Dynamics **OR** HVAC 2230 Physics of Building	2
INFO 1000 Basic Computer Applications	2
	16

Total Credit Hours	72.5

*See general education requirements.

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