



**South Central College
Program Design**

DIP 3160 Agriculture Technician's Aide

Program Information

Instructional Level Technical Diploma

Career Cluster Agriculture, Food & Natural Resources

Description

The Diploma is designed to prepare students for career opportunities in the diesel, farm equipment, and industrial mechanics field. Students will prepare for entry-level employment in a variety of settings doing lube services, detailing, and light mechanical repairs. With additional work and experience, technician's aides will become service technicians.

Program Admission Dates (Fall and/or Spring)

Fall or Spring

Program Location (North Mankato and/or Faribault)

North Mankato

Program Student Learning Outcomes

- 1 Demonstrate effective participation on an agribusiness team.
- 2 Perform assembly, repair, operation, and adjustment of machinery and power units.
- 3 Perform parts department operations.
- 4 Perform metal welding and fabrication.
- 5 Perform work using appropriate safety practices.

Program Configurations

Diploma, 35 Credits

Credits

Technical Course 35

Total Credits 35

Semester One (Fall)

Course #	Course Title	Credits	Function
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AGME 1801	Outdoor Power Equipment	3	Technical Course
AGME 1812	Machinery Assembly and Reconditioning I	2	Technical Course
AGME 1821	Precision Measuring Tools	1	Technical Course
AGME 1813	Machinery Assembly, Operation, Adjust. & Reconditioning II	2	Technical Course
AGME 1891	Hydraulic Theory 1	1	Technical Course
AGME 1930	Ag Welding	2	Technical Course
AGME 1881	Parts Department Operation	1	Technical Course
AGME 1831	Tractor Power Trains	3	Technical Course
SGAG 1000	Agribusiness Orientation	1	Technical Course

Semester Two (Spring)

Course #	Course Title	Credits	Function
AGME 1923	Gas/Diesel Repair II	4	Technical Course
AGME 1823	Engine Support	3	Technical Course
AGME 1822	Gas/Diesel Engine Repair I	3	Technical Course
AGME 1861	Tractor Electrical	3	Technical Course
HLTH1952	First Aid	1	Technical Course
AGME 2940	Agribusiness Internship	2	Technical Course
AGRI 1850	Employer/Employee Relations	3	Technical Course

Program Course List

Number	Title	Credits	Pre/Corequisites
AGME 1801	Outdoor Power Equipment	3	Enrolled in Ag Service Technician Program
AGME 1812	Machinery Assembly and Reconditioning I	2	Enrolled in Ag Service Technician Program
AGME 1813	Machinery Assembly, Operation, Adjust. & Reconditioning II	2	Enrolled in Agriculture Service Tech Program
AGME 1821	Precision Measuring Tools	1	NONE
AGME 1822	Gas/Diesel Engine Repair I	3	None
AGME 1823	Engine Support	3	AGME1821 Taken in conjunction with AGME1822
AGME 1831	Tractor Power Trains	3	None
AGME 1861	Tractor Electrical	3	Enrolled in Ag Service Technician Program, or with instructor approval
AGME 1881	Parts Department Operation	1	None
AGME 1891	Hydraulic Theory 1	1	Enrolled in Ag Service Tech Program,

			or with instructor approval
AGME 1923	Gas/Diesel Repair II	4	Enrolled in the Agribusiness Service Technician Program
AGME 1930	Ag Welding	2	None
AGME 2940	Agribusiness Service Technician Internship	9	To be developed on an individual basis. Enrolled in Agribusiness Service Technician Program
AGRI 1850	Employer/Employee Relations	3	None
HLTH1952	First Aid	1	
SGAG 1000	Agribusiness Orientation	1	Enrolled in the Agribusiness Program