



New Program Report

Date Submitted:

12/13/2023

Institution

Three Rivers College

Site Information

Implementation Date:

7/1/2024 12:00:00 AM

Added Site(s):

Selected Site(s):

TRC @ Sikeston, 1400 S. Main Street, Sikeston, MO, 63801

CIP Information

CIP Code:

010201

CIP Description:

A program that generally prepares individuals to sell, select, and service agricultural or agribusiness technical equipment and facilities, including computers, specialized software, power units, machinery, equipment structures, and utilities. Includes instruction in agricultural power systems, planning and selecting materials for the construction of support facilities, mechanical practices associated with irrigation and water conservation, erosion control, and agricultural data processing systems.

CIP Program Title:

Agricultural Mechanization, General

Institution Program Title:

Agriculture Equipment Technician

Degree Level/Type

Degree Level:

Certificate >= 1 Year but < 2 Year

Degree Type:

Certificate 1

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Student Preparation

Special Admissions Procedure or Student Qualifications required:

None



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Specific Population Characteristics to be served:

None

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Instructors will be required to have 3 years verifiable Agriculture Equipment Tech experience.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

0 percent of credit hours assigned to full-time faculty.

Expectations for professional activities, special student contact, teaching/learning innovation:

Students will be prepared to take for an entry level agriculture equipment tech position.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 8	Part Time: 0	
Year 2	Full Time: 10	Part Time: 0	
Year 3	Full Time: 12	Part Time: 0	Number of Graduates: 12
Year 4	Full Time: 14	Part Time: 0	
Year 5	Full Time: 15	Part Time: 0	Number of Graduates: 15

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

No accrediting body will be used. An advisory board with members who work at dealerships will be used to provide oversight to the program. Several dealerships have a specific need for techs in our region.

Program Structure

Total Credits:

32

Residency Requirements:

N/A

General Education Total Credits:

0

Major Requirements Total Credits:

32

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
AETC 115	4	Fundamentals of Agricultural Equipment
AETC 117	4	Diesel Systems I
AETC 125	4	HVAC Systems



New Program Report

AETC 118	4	Hydraulic Systems
AETC 116	4	Electrical Systems I
AETC 127	4	Diesel Systems II
AETC 126	4	Electrical Systems II

Free Elective Credits:

0

Internship or other Capstone Experience:

No requirements

Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

First and Last Name: Michelle
Wooldridge

Email: mwooldridge@trcc.edu

Phone: 573-840-9688

Program Title: Agriculture Equipment Technician

Degree Type: One-Year Certificate

Contact: Will Cooper wcooper@trcc.edu

Purpose: Career & Technical Education.

FIRST YEAR

Fall Semester			Hours	
AETC	115	Fundamentals of Agriculture Equipment	4	
AETC	116	Electrical Systems I	4	
AETC	117	Diesel Systems I	4	
AETC	118	Hydraulic Systems	4	
TOTAL HOURS			16	

Spring Semester			Hours	
AETC	125	HVAC Systems	4	
AETC	126	Electrical Systems II	4	
AETC	127	Diesel Systems II	4	
AETC	128	Power Trains	4	
TOTAL HOURS			16	