



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

05/18/2021

Institution

Three Rivers College

Site Information

Implementation Date:

8/1/2021 12:00:00 AM

Added Site(s):

Selected Site(s):

Three Rivers College, Three Rivers Boulevard, Poplar Bluff, MO, 63901

TRC @ Dexter, 515 West Market, Dexter, MO, 63841

TRC @ Kennett, 1002 Great West Drive, Kennett, MO, 63857

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

CIP Information

CIP Code:

019999

CIP Description:

Any instructional program in agriculture, agricultural operations, and related sciences not listed above.

CIP Program Title:

Agriculture, Agriculture Operations, and Related Sciences, Other

Institution Program Title:

Agriculture Systems Technician

Degree Level/Type

Degree Level:

Associate Degree

Degree Type:

Associate in Applied Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Student Preparation

Special Admissions Procedure or Student Qualifications required:

No special preparation will be required.



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Specific Population Characteristics to be served:
All populations will be served.

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:
Three Rivers College will select instructors based on a combination of relevant education and work experience.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:
It is anticipated 50 percent of credit hours will be assigned to full time faculty.

Expectations for professional activities, special student contact, teaching/learning innovation:
The faculty will be expected to use various technology such as SmartBoards & BlackBoard learning management system.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 12	Part Time: 2	
Year 2	Full Time: 18	Part Time: 5	
Year 3	Full Time: 20	Part Time: 7	Number of Graduates: 27
Year 4	Full Time: 22	Part Time: 9	
Year 1	Full Time: 12	Part Time: 2	
Year 2	Full Time: 18	Part Time: 5	
Year 3	Full Time: 20	Part Time: 7	Number of Graduates: 27
Year 4	Full Time: 22	Part Time: 9	
Year 1	Full Time: 12	Part Time: 2	
Year 2	Full Time: 18	Part Time: 5	
Year 3	Full Time: 20	Part Time: 7	Number of Graduates: 27
Year 4	Full Time: 22	Part Time: 9	
Year 1	Full Time: 12	Part Time: 2	
Year 2	Full Time: 18	Part Time: 5	
Year 3	Full Time: 20	Part Time: 7	Number of Graduates: 27



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Year 4	Full Time: 22	Part Time: 9	
Year 5	Full Time: 25	Part Time: 10	Number of Graduates: 35

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

There are no state-level accreditations applicable.

Program Structure

Total Credits:

61

Residency Requirements:

n/a

General Education Total Credits:

15

Major Requirements Total Credits:

40

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
TRNS 105	6	Commercial Driving
GNST 104	1	Career Exploration
AGRI 120	4	Plant Science
WELD 156	4	Introduction to SMAW
CIVL 116	3	Surveying I
AGRI 240	3	Agriculture Economics & Marketing
WELD 158	4	Introduction to GMAW
GIS 120	3	Introduction to Geographic Information Systems
AGRI 172	3	Integrated Pest Management
WELD 167	2	Thermal Cutting
AGRI 130	4	Animal Science
IST 100	3	Computer Applications

Free Elective Credits:

6

Internship or other Capstone Experience:

None

Assurances



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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, CBHE-approved service region or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program within the geographically applicable area.

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

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DILBECK

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Agriculture Systems Technician (AAS)

Department of Languages, Communication, Fine Arts, and Agriculture

Degree Type: Associate of Applied Science Degree

Contact: Traven Crocker tcrocker@trcc.edu

Purpose: Career & Technical Education. The purpose of the Agriculture Systems Technician AAS program is to provide students with skills in commercial driving, welding, and pest management for entry-level positions such as farm mechanics, agriculture technicians, and production welders in agriculture-related industries. (Students will have the ability to earn a commercial drivers license upon completion of TRNS 105).

FIRST YEAR

Fall Semester			Hours
CIVL	116	Surveying I	3
TRNS	105	Commercial Driving	6
WELD	156	Introduction to SMAW	4
WELD	158	Introduction to GMAW	4
TOTAL HOURS			17

Spring Semester			Hours
ENGL	111	College Writing	3
GOVT	121	National & State Government	3
IST	100	Computer Applications	3
MATH	161	Mathematical Reasoning and Modeling	3
SCOM	110	Public Speaking	3
TOTAL HOURS			15

SECOND YEAR

Fall Semester			Hours
AGRI	120	Plant Science	4
AGRI	130	Animal Science	4
AGRI	240	Agriculture Economics & Marketing	3
GIS	120	Introduction to Geographic Information Systems	3
WELD	167	Thermal Cutting	2
TOTAL HOURS			16

Spring Semester			Hours
AGRI	172	Integrated Pest Management	3
GNST	104	Career Exploration	1
		General Education Elective	3
		Elective	3-4
		Elective	3-4
TOTAL HOURS			14-15

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements

Electives

AGRI	232	Advanced Animal Science	3
AGRI	234	Equine Science	3
AGRI	270	Agriculture Systems Management	3
WELD	157	Introduction to GTAW	4
WELD	159	Introduction to FCAW	4
WELD	165	Welding Blueprint Reading	3
WELD	169	Pipe Fitting	3
WELD	256	Advanced SMAW	4
WELD	257	Advanced GTAW	4
WELD	258	Advanced GMAW	4
WELD	259	Advanced FCAW	4
WELD	265	Welding Fabrication	3

Program Outcomes

- Examine principles of pesticide applications, commercial driving, and welding techniques.
- Apply analytical and critical thinking skills in relation to the agriculture industry.
- Form technical knowledge and skills in relation to agriculture industries.
- Demonstrate written and verbal communication to effectively work in agricultural professions.