Missouri Department of Higher Education
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☒**PUBLIC**
☐**INDEPENDENT**

NEW PROGRAM PROPOSAL FOR ROUTINE REVIEW

When finished, please save and email to: he.academicprogramactions@dhe.mo.gov

Sponsoring Institution: Three Rivers College

Program Title: Welding Engineering Technology

Degree/Certificate: AAS-Associate in Applied Science

If other, please list: Click here to enter text

Options: Click here to enter text

Delivery Site: Poplar Bluff, Sikeston, Dexter, Kennett, Malden

CIP Classification: 48.0508

Implementation Date: 1/1/2018

Is this a new off-site location? ☐ **Yes** ☒ **No**

If yes, is the new location within your institution's current CBHE-approved service region? ☐
**If no, public institutions should consult the comprehensive review process*

Is this a collaborative program? ☐Yes ☒No
**If yes, please complete the collaborative programs form on last page.*

CERTIFICATIONS

☒ The program is within the institution's CBHE approved mission. *(public only)*

☒ The program will be offered within the institution's CBHE approved service region. *(public only)*

☐ The program builds upon existing programs and faculty expertise

☐ The program does not unnecessarily duplicate an existing program in the geographically-applicable area.

☒ The program can be launched with minimal expense and falls within the institution's current operating budget. *(public only)*

AUTHORIZATION

Dr. Justin Hoggard, CAO		9/22/2017
Name/Title of Institutional Officer	Signature	Date

PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below.

Quantification of performance goals should be included wherever possible.

1. Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.
  No special preparation required

- Characteristics of a specific population to be served, if applicable.
  Rural

2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
  Degree/Certificates/Experience

- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.
  75%

- Expectations for professional activities, special student contact, teaching/learning innovation.
  Maintain current within degree field. Student advising

3. Enrollment Projections

- Student FTE majoring in program by the end of five years.
  10

- Percent of full time and part time enrollment by the end of five years.
  50% fulltime, 50% part-time

STUDENT ENROLLMENT PROJECTIONS

YEAR	1	2	3	4	5
Full Time	2	4	6	8	10
Part Time	2	4	6	8	10
Total	4	8	12	16	20

4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
  6 graduates at thee years, 10 graduates at 5 years

- Special skills specific to the program.

Students gain entry-level employment skills that provide a solid foundation for future advancement in welding and welding fabricating occupations.

- Proportion of students who will achieve licensing, certification, or registration.
  N/A

- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.
  70%

- Placement rates in related fields, in other fields, unemployed.
  50%

- Transfer rates, continuous study.
  Program is not a transferable degree

5. Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide rationale.
  If program grows, accreditation through AWS Sense will be considered

6. Program Structure

A. Total credits required for graduation: 60

B. Residency requirements, if any:
   15 credits required at College to receive degree

C. General education: Total credits:
   21

Courses (specific courses OR distribution area and credits)

Course Number	Credits	Course Title
ENGL 111	3	College Writing
ENGR 106	3	Technical Math I
ENGR 107	3	Technical Math II
GOVT 121	3	National and State Government
IST 100	3	Computer Applications
PHYS 100	3	Survey of Physics
SCOM 110	3	Public Speaking

D. Major requirements: Total credits: 39

Course Number	Credits	Course Title
ENGR 198	3	Workplace Readiness
MAFT 228	3	Quality Assurance Fundamentals
MAFT 229	3	Introduction to Safety & Health Programs
WELD 156	4	Introduction to SMAW (Shielded Metal Arc Welding)
WELD 157	4	Introduction to TIG (Tungsten Inert Gas) Welding
WELD 158	4	Introduction to GMAW (Gas Metal Arc Welding)
WELD 159	4	Introduction to FCAW (Flux Cored Arc Welding)
WELD 165	3	Welding Blueprint Reading
WELD 255	4	Advanced GMAW (Gas Metal Arc Welding)
WELD 256	4	Advanced SMAW (Shielded Metal Arc Welding)
WELD 265	3	Welding Fabrication

E. Free elective credits:
(sum of C, D, and E should equal A)

F. Requirements for thesis, internship or other capstone experience:
Internship

G. Any unique features such as interdepartmental cooperation:
N/A

7. Need/Demand

☒Student demand

☒Market demand

☒Societal demand

☒I hereby certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful.

On July 1, 2011, the Coordinating Board for Higher Education began provisionally approving all new programs with a subsequent review and consideration for full approval after five years.