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**: Construction 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**: 15.1001

**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 | Justin Hoggard | 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 construction, and civil occupations such as construction technician or specialist.

- 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 American Council for Construction will be considered

**6. Program Structure**

A. Total credits required for graduation: 63-64

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

C. General education: Total credits:
   18

*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 |
| PHYS 100 | 3 | Survey of Physics |
| SCOM 125 | 3 | Communication in the Workplace |
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D. Major requirements: Total credits: 33

| Course Number | Credits | Course Title |
|---|---|---|
| CIVL 116 | 3 | Surveying I |
| CIVL 117 | 3 | Construction Print Reading |
| CIVL 118 | 3 | Materials and Methods I |
| CIVL 219 | 3 | Estimating I |
| CIVL 225 | 3 | Construction Management |
| CIVL 228 | 3 | Civil Drafting |
| CIVL 229 | 3 | Estimating II |
| ENGR 110 | 3 | Engineering Graphics |
| ENGR 198 | 3 | Workplace Readiness |
| ENGR 297 | 6 | Internship |
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E. Free elective credits: 12-13
*(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.***