



New Program Report

Date Submitted:

12/04/2023

Institution

Crowder College

Site Information

Implementation Date:

8/12/2024 12:00:00 AM

Added Site(s):

Selected Site(s):

Advanced Training and Technology Center, 420 South Grand, Joplin, MO, 64801

CIP Information

CIP Code:

150201

CIP Description:

A program that prepares individuals to apply basic engineering principles and technical skills in support of civil engineers engaged in designing and executing public works projects such as highways, dams, bridges, tunnels and other facilities. Includes instruction in site analysis, structural testing procedures, field and laboratory testing procedures, plan and specification preparation, test equipment operation and maintenance, and report preparation.

CIP Program Title:

Civil Engineering Technology/Technician

Institution Program Title:

Engineering Technology

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:

None



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Specific Population Characteristics to be served:

n/a

Faculty Characteristics

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

The faculty member will have a degree in engineering technology or a related field, with professional certifications in AutoCAD, Revit, and Inventor software. Relevant industry experience working as an Engineering Technician in a manufacturing, civil, structural, or architectural environment is preferred.

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

100% of credit hours will be assigned to full-time faculty.

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

Faculty will coordinate a business and industry leadership team (BILT) to support the continuous improvement of the program.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 12	Part Time: 0	
Year 2	Full Time: 17	Part Time: 0	
Year 3	Full Time: 20	Part Time: 0	Number of Graduates: 18
Year 4	Full Time: 22	Part Time: 0	
Year 5	Full Time: 25	Part Time: 0	Number of Graduates: 21

Percentage Statement:

95.00

Program Accreditation

Institutional Plans for Accreditation:

We plan to seek accreditation as an Autodesk Authorized Training Center.

Program Structure

Total Credits:

60

Residency Requirements:

n/a

General Education Total Credits:

27

Major Requirements Total Credits:

43

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
ENGT 215	4	CADD II
ENGT 290	3	Capstone in Engineering Tech
ENGT 242	3	Mechanical Design



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ENGT 110	3	Engineering Graphics
ENGT 240	3	Civil Design
ENGT 125	3	Revit
ENGT 101	1	Engineering Orientation
ENGT 115	4	CADD I
ENGT 230	3	Inventor
ENGT 250	3	Applied Statics
ENGT 225	3	Revit MEP

Free Elective Credits:

0

Internship or other Capstone Experience:

The capstone course provides an opportunity for students to participate in a comprehensive project utilizing knowledge and skills gained throughout the program.

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

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