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Academic Program Actions:

New Program Proposal

Institution: State Fair Community College

Site Information

Implementation date: 08/01/2024

Selected sites: State Fair Community College, 3201 W. 16TH Street, Sedalia, MO 65301-2199

CIP Information

CIP Code: 470201

CIP Program Title: Heating, Air Conditioning, Ventilation and Refrigeration Maintenance
Technology/Technician

CIP Program Description: A program that prepares individuals to apply technical knowledge and skills to repair, install, service and maintain the operating condition of heating, air conditioning, and refrigeration systems. Includes instruction in diagnostic techniques, the use of testing equipment and the principles of mechanics, electricity, and electronics as they relate to the repair of heating, air conditioning and refrigeration systems.

Institution Program Title: Heating, Ventilation, Air Conditioning, Refrigeration, & Controls Technology

Change Degree Type

Degree Level: Associate Degree

Degree Type: Associate in Applied Science

Options Added:

Collaborative Program: N

Mode of Delivery

Mode of Delivery:

Classroom
Hybrid

Student Preparation

List any special admissions procedures or student qualifications required for this program which exceed regular university admissions and standards:

No special preparation is required

List characteristics of a specific population to be served, if applicable:

The Program will be open to all qualified applicants with the ability to benefit

Faculty Characteristics

List special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate:

Extensive training and certification in the field of residential and commercial Heating, Ventilation and Air Conditioning (HVAC) systems

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:

The Program is designed for full time faculty to deliver all HVAC instruction and curriculum

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

Fifty percent of enrolled students are anticipated to be employed in an apprenticeship program.

Student Enrollment Projections Year One -

Five Projections

Full Time:	0	Part Time:	0	
Full Time:	0	Part Time:	0	
Full Time:	4	Part Time:	8	Number of Graduates: 6
Full Time:	8	Part Time:	12	
Full Time:	12	Part Time:	16	Number of Graduates: 12

Percentage Statement:

Program Accreditation

List Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide rationale:

We are developing the program to align with the HVAC Excellence standards but we are not planning to seek accreditation immediately.

Program Structure

Total Credits:	64
Residency Requirements:	15 credit hours
General Education Total Credits:	16

Program Structure (continued)

Major Requirements Total Credits:	46
Courses Added:	HVAC 102 3 HVAC Fundamentals I IEM 102 3 Electrical Fundamentals HVAC 104 3 HVAC Fundamentals II IEM 104 3 Electrical Power HVAC 106 2 HVAC Schematics HVAC 108 3 HVAC Electrical Fundamentals HVAC 110 3 Refrigeration & Diagnostics IEM 112 3 Control Circuit Troubleshooting HVAC 120 3 Heating Systems HVAC 130 3 Air Flow Fundamentals HVAC 132 3 HVAC Installation and Evaluation HVAC 134 2 Heat Pumps HVAC 136 1 EPA 608 Certification HVAC 140 2 Commercial Air-Conditioning HVAC 160 3 HVAC Automation Systems HVAC 180 4 HVAC Internship CNST 162 3 Construction Safety SS 120 1 Employment Strategies
Enter free elective credits:	0
Internship or other capstone experience:	The program requires a four-hour internship course.

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.

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