☒ **New Program Code**   ☐ **Modify Program Code**   Date: 8/12/2020

REQUESTOR CONTACT INFORMATION

Name	Debie Amby	Campus	Maui College, UH ▼
Title	Banner/Curriculum Specialist	Email	debie@hawaii.edu
Office/Dept	VCAA	Phone	808-984-3378

NEW PROGRAM CODE TO CREATE

Institution	MAU - Univ of Hawaii Maui College ▼	Campus	MAU - Univ of Hawaii Maui College ▼
Level	UG - Undergraduate ▼	Effective Term	Fall 2020

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) IN	Instructional	☐ See Banner form STVCOLL
Department	(4) CTEC	Construction Technology	☐ See Banner form STVDEPT
Degree/Certificate	(6) CA	Certificate of Achievement	☐ See Banner form STVDEGC
Major	(4) CTEC	Construction Technology	☐ See Banner form STVMAJR
Concentration	(4) BUCO	Bldg Maint & Construction	☒ See Banner form STVMAJR
Minor	(4)		☐ See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: _____

Justification to warrant a new major/concentration code similar to an existing major/concentration code: _____

If new major, please list the BOR's approved Classification of Instructional Programs (CIP) Code: _____

Is this major/concentration code being used the same way at the other UH campuses?	☐ Yes	☒ No	
Should this program be available for applicants to select as their planned course of study on the online application? *If yes, student may select the code as their only program of study.*	☒ Yes	☐ No	

RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION

Is 50% or greater of the classes in this program offered at a location other than the Home Campus?	☐ Yes	☒ No
Is this program/major/certificate financial aid eligible?	☐ Yes	☒ No
Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? See http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html	☐ Yes	☒ No

Program Length
In academic years; decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication.   1

Special Program Designations
See Special Program Designations Code Definitions on IRAO Program Code Request webpage
☐ A   ☐ B   ☒ N   ☐ P   ☐ T   ☐ U

Required Terms of Enrollment: ☒ Fall   ☒ Spring   ☐ Summer   ☐ Extended

IRAO USE ONLY: DATE RECEIVED

ADDITIONAL COMMENTS **(for modifying existing program codes, specify the term to turn on/ off the online application, the recruitment/admission term, and the general student/history/ degree term.)**

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents   ☒ Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

☒ Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.

☒ Curriculum

CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...

☐ BOR approved certificate. BOR Meeting/Approval Date: _____

☒ Chancellor approved within an authorized BOR program. BOR Program: AAS-CTEC _____

☐ Chancellor approved CO in accordance with UHCCP 5.203, Section IV B.10.

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.

Registrar (Print Name)	Financial Aid Officer (Print Name)	For Community Colleges, verification of consultation with OVPCC Academic Affairs:
Flora Mora	Davileigh Naeole	Della Teraoka
[signature] 8/19/20	Davileigh Naeole 8/19/20	Della Teraoka 9/25/2020
Signature Date	Signature Date	Signature Date

Form modified: Oct 2019

CA-CTEC-BUCO
CONSTRUCTION TECHNOLOGY- BUILDING MAINTENANCE AND CONSTRUCTION (CA)

Approved | Fall 2020

Proposal Information

Workflow Status

Proposer

✔ **Clifford Rutherford (Submitter)**
Submitted 9-29-2019

DEPARTMENT (CTE) \\ Curriculum Department Representative

✔ **Lawrence Martinson**
Approved 10-2-2019

DEPARTMENT (CTE) \\ Department Chair

✔ **Thomas Hussey**
Approved 10-2-2019

(CURRICULUM COMMITTEE CHAIRS) \\ CHAIRS

✔ **Timothy Marmack**
Approved 10-13-2019

✔ **Lorelle A S Peros**
Approved 10-13-2019

(ACADEMIC SENATE) \\ SENATE CHAIR

✔ **Rosemary Vierra**
Approved 10-13-2019

(ADMINISTRATION) \\ VCAA

✔ **Kaheleonolani Dukelow**
Approved 2-26-2020

✔ **Laura Nagle**
Approved 10-25-2019

(ADMINISTRATION) \\ CHANCELLOR

✔ **Lui Hokoana**
Approved 6-29-2020

(BANNER REVIEW/INPUT) \\ BANNER SPECIALIST

✔ **Debie Amby**
Approved 8-25-2020

✉ Christine Ishihara

✉ Shane Payba

Code	Title
CA-CTEC-BUCO	CONSTRUCTION TECHNOLOGY- BUILDING MAINTENANCE AND CONSTRUCTION (CA)

Proposal Details

Type of Proposal
New

Proposer Name(s)
Clifford Rutherford

Internal Proposal Date
September 30, 2019

Proposal Summary
This proposal is a result of the Construction Technology (CTEC) Program's change of course curriculum and number changes to 100 level that were submitted and approved in Spring 2019. These changes enable UHMC to articulate with DOE for dual credit courses, add elective exploratory avenues for undecided majors, and meet requirements for employment in entry level positions in specific building and construction and specialty trades to include facilities management. Additionally, the establishment of three new CA's in the CTEC program allows students to earn their AAS in specific trade areas or concentrations with the ability to transition from two terminal paths to a third transfer path to UH West Oahu's BAS-FMGT.

Course(s)
CARP 120 - Basic Carpentry Skills (Proposal submitted and approved Spring 2019)
CARP 121 - Framing and Exterior Finish (Proposal submitted and approved Spring 2019)
CARP 122 - Interior Finish (Proposal submitted and approved Spring 2019)
FMGT 100 - Introduction to Building Maintenance and Construction (Proposal submitted and approved Spring 2019)
MAIN 130 - Masonry (Proposal submitted and approved Spring 2019)
MAIN 140 - Painting & Decorating (Proposal submitted and approved Spring 2019)
MAIN 150 - Plumbing I (Proposal submitted and approved Spring 2019)
ELEC 100 - Survey of Electrical Math and Physics (Proposal submitted and approved Spring 2019)
ELEC 110 - Residential and Light Commercial Wiring (Proposal submitted and approved Spring 2019)
BLPR 101 - Blueprint & Drafting Foundations (Proposal submitted and approved Spring 2018)
AEC 110 - Basic AutoCAD (Proposal submitted and approved Spring 2018)
OSH 100 - First Aid, CPR, and AED (Proposal submitted and approved Spring 2019)
OSH 110 - Occupational Safety and Health for Construction (Proposal submitted and approved Spring 2019)

General Education required courses curriculum current with their respective departments:
ENG 100 - Composition I
Or
ENG 106 - Report Writing
And
MATH 100 - Survey of Math
Or higher

Or
BUSN 189 - Business Math

Proposal Rationale/Justification

Major changes to the CTEC Program's curriculum, certificates and degree pathways are a direct result of over 5 years of consultation and recommendations from local industry leaders in the CTEC Program Advisory Committee, the Maui Facilities Leadership Council, local apprenticeship programs, and other industry experts in workforce development. Changes represent the latest trends in the skills and proficiency required to meet industry employment standards. (See attached Program Supporting Documents).

Proposal Supporting Documents

- CTEC Catalog Program Map Pages (FINAL DRAFT 9-26-19).pdf

Other Departments Involved

Yes
General Education required courses curriculum current with their respective departments:
ENG 100 - Composition I
Or
ENG 106 - Report Writing
And
MATH 100 - Survey of Math
Or higher
Or
BUSN 189 - Business Math

Have other departments been consulted?

Yes

Proposal Impact(s) - Articulation

Program Coordination Councils for CARP, BLPR, AEC, and ELEC updated to intended CTEC program changes and approved Fall 2017. No articulation at certificate level with this CA.

Proposal Impact(s) - Requirements

While the program map changes being made increase the credits required in the CTEC program from 34 credits for the current individual CA to 37 credits for each of the three CA pathways being submitted. Overall credits required for the CTEC AAS through either of the CA pathways are reduced from 63-66 credits to 60 credits.

Proposal Impact(s) - Resources

No additional resources. Certificate courses taught by current UHMC faculty and staff.

Department Vote

5 approve, 0 not approve, 0 abstain, September 27, 2019

Proposer Notes

General Information

Program Title

CONSTRUCTION TECHNOLOGY- BUILDING MAINTENANCE AND CONSTRUCTION (CA)

Program Level Type

Certificate

Degree Type

--

Catalog Description
The Construction Technology program prepares students in general building construction and maintenance of large or small structures. It allows students to explore different trades prior to selecting a specialization.

College

Division

Department
CTE

Learning Outcomes

Outcomes

Program Requirements

Entrance Requirements
None

Logic: A
    A
None

Satisfactory Progress Requirements
Minimum required GPA 2.0 (C) and the minimum acceptable grade 1.0 (D).

Logic: A
    A

Completion Requirements
Requirements for Certificate of Achievement (CA)
Construction Technology - Building Maintenance and Construction: 37 Credits
Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on for the AAS degree.
Note: MATH 75/82 may be substituted for the Certificate of Achievement or Competence for those not going on for the AAS degree.

Logic: A
   A
   - All Of these courses:
      - **CARP 120 - Basic Carpentry Skills**
      - **CARP 121 - Framing and Exterior Finish**
      - **CARP 122 - Interior Finish**
      - **FMGT 100 - Introduction to Building Maintenance and Construction**
      - **MAIN 130 - Masonry**
      - **MAIN 140 - Painting & Decorating**
      - **MAIN 150 - Plumbing I**
      - **ELEC 100 - Survey of Electrical Math and Physics**
      - **ELEC 110 - Residential and Light Commercial Wiring**
      - **BLPR 101 - Blueprint & Drafting Foundations**
      - **AEC 110 - Basic AutoCAD**
      - **OSH 100 - First Aid, CPR, and AED**
      - **OSH 110 - Occupational Safety and Health for Construction**
   - And any of the following
      - Completed these courses:
         - **ENG 100 - Composition I**
      - Or completed these courses:
         - **ENG 106 - Report Writing**
      - Or ENG 22 may be substituted in the Certificate of Achievement for those not going on for the AAS degree.
   - And any of the following
      - Completed these courses:
         - **MATH 100 - Survey of Math**
      - Or higher
      - Or completed these courses:
         - **BUSN 189 - Business Math**
      - Or MATH75X/82 may be substituted in the Certificate of Achievement for those not going on for the AAS degree.

BOR Information

Program Justification

Program Mission and Objectives

Program Curriculum Plan

Program Target Group

Program Resources

Program Efficiency

Program Effectiveness

Attachments

Curriculum Committee (For Administrative Use Only)

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1) Start Date

2) Type of Proposal

–

3) Curriculum Proposal Number

4) Curriculum Committee notes

☒ **New Program Code**   ☐ **Modify Program Code**   Date: 8/12/2020

REQUESTOR CONTACT INFORMATION

Name	Debie Amby	Campus	Maui College, UH ▼
Title	Banner/Curriculum Specialist	Email	debie@hawaii.edu
Office/Dept	VCAA	Phone	808-984-3378

NEW PROGRAM CODE TO CREATE

Institution	MAU - Univ of Hawaii Maui College ▼	Campus	MAU - Univ of Hawaii Maui College ▼
Level	UG - Undergraduate ▼	Effective Term	Fall 2020

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) IN	Instructional	☐ See Banner form STVCOLL
Department	(4) CTEC	Construction Technology	☐ See Banner form STVDEPT
Degree/Certificate	(6) CA	Certificate of Achievement	☐ See Banner form STVDEGC
Major	(4) CTEC	Construction Technology	☐ See Banner form STVMAJR
Concentration	(4) FMGT	Facilities Management	☒ See Banner form STVMAJR
Minor	(4)		☐ See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: FMGT

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

If new major, please list the BOR's approved Classification of Instructional Programs (CIP) Code:

Is this major/concentration code being used the same way at the other UH campuses?	☒ Yes	☐ No
Should this program be available for applicants to select as their planned course of study on the online application? *If yes, student may select the code as their only program of study.*	☒ Yes	☐ No

RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION

Is 50% or greater of the classes in this program offered at a location other than the Home Campus?	☐ Yes	☒ No
Is this program/major/certificate financial aid eligible?	☐ Yes	☒ No
Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)?	☐ Yes	☒ No

See http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html

Program Length
In academic years; decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication.   1

Special Program Designations
See Special Program Designations Code Definitions on IRAO Program Code Request webpage

☐ A   ☐ B   ☒ N   ☐ P   ☐ T   ☐ U

Required Terms of Enrollment: ☒ Fall   ☒ Spring   ☐ Summer   ☐ Extended

IRAO USE ONLY: DATE RECEIVED

ADDITIONAL COMMENTS (for modifying existing program codes, specify the term to turn on/ off the online application, the recruitment/admission term, and the general student/history/ degree term.)

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents ☒ Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

☒ Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.

☒ Curriculum

> **CERTIFICATES ONLY: Please check one (1) statement.** This certificate is a...
>
> ☐ BOR approved certificate. BOR Meeting/Approval Date: _____
>
> ☒ Chancellor approved within an authorized BOR program. BOR Program: AAS-CTEC _____
>
> ☐ Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.

Registrar (Print Name)	Financial Aid Officer (Print Name)	For Community Colleges, verification of consultation with OVPCC Academic Affairs:
Flora Mora	Davileigh Naeole	Della Teraoka
Signature 8/19/20	_Signature_ 8/19/20	_Signature_ 9/25/2020
Signature Date	Signature Date	Signature Date

Form modified: Oct 2019

CA-CTEC-FMGT
CONSTRUCTION TECHNOLOGY- FACILITIES MANAGEMENT (CA)
Approved | Fall 2020

Proposal Information

Workflow Status

Proposer
✓ **Clifford Rutherford (Submitter)**
Submitted 9-29-2019

DEPARTMENT (CTE) \\ Curriculum Department Representative
✓ **Lawrence Martinson**
Approved 10-2-2019

DEPARTMENT (CTE) \\ Department Chair
✓ **Thomas Hussey**
Approved 10-2-2019

(CURRICULUM COMMITTEE CHAIRS) \\ CHAIRS
✓ **Timothy Marmack**
Approved 10-13-2019
✓ **Lorelle A S Peros**
Approved 10-13-2019

(ACADEMIC SENATE) \\ SENATE CHAIR
✓ **Rosemary Vierra**
Approved 10-13-2019

(ADMINISTRATION) \\ VCAA
✓ **Kaheleonolani Dukelow**
Approved 2-26-2020
✓ **Laura Nagle**
Approved 10-25-2019

(ADMINISTRATION) \\ CHANCELLOR
✓ **Lui Hokoana**
Approved 6-29-2020

(BANNER REVIEW/INPUT) \\ BANNER SPECIALIST
✓ **Debie Amby**
Approved 8-25-2020

✉ Christine Ishihara

✉ Shane Payba

Code
CA-CTEC-FMGT

Title
CONSTRUCTION TECHNOLOGY- FACILITIES MANAGEMENT (CA)

Proposal Details

Type of Proposal
New

Proposer Name(s)
Clifford Rutherford

Internal Proposal Date
September 30, 2019

Proposal Summary
This proposal is a result of the Construction Technology (CTEC) Program's change of course curriculum and number changes to 100 level that were submitted and approved in Spring 2019. These changes enable UHMC to articulate with DOE for dual credit courses, add elective exploratory avenues for undecided majors, and meet requirements for employment in entry level positions in specific building and construction and specialty trades to include facilities management. Additionally, the establishment of three new CA's in the CTEC program allows students to earn their AAS in specific trade areas or concentrations with the ability to transition from two terminal paths to a third transfer path to UH West Oahu's BAS-FMGT.

Course(s)
CTEC Program Courses:
FMGT 100 - Introduction to Building Maintenance and Construction (Submitted and approved Spring 2019)
FMGT 120 - Introduction to Project Management (Submitted and approved Spring 2019)
FMGT 200 - Mechanical Systems Design and Construction (Submitted and approved Spring 2019)
FMGT 201 - Facilities Operations and Leadership (Submitted and approved Spring 2019)
ELEC 100 - Survey of Electrical Math and Physics (Submitted and approved Spring 2019)
ENRG 101 - Introduction to Sustainable Technology (Submitted and approved Spring 2017)
ENRG 103 - Energy Production Systems (Submitted and approved Spring 2017)
BLPR 101 - Blueprint & Drafting Foundations (Submitted and approved Spring 2017)

STEM/General Education Courses Current by Respective Departments:
BLAW 200 - Legal Environmet Business
ECON 120 - Intro Economics
ECON 130 - Princ Econ Micro
ECON 131 - Princ Econ Macro
BUS 120 - Principles of Business
SSM 101 - Intro Sci of Sustainability
SSM 201 - Sustainable Bldg Design
SSM 275 - Basic Energy Production
ENG 209 - Bus/Mgr Writing
ENG 210 - Research Writing
ENG 22

MATH 115 - Intro Stats & Probability
MATH75X/82

Proposal Rationale/Justification
Major changes to the CTEC Program's curriculum, certificates and degree pathways are a direct result of over 5 years of consultation and recommendations from local industry leaders in the CTEC Program Advisory Committee, the Maui Facilities Leadership Council, local apprenticeship programs, and other industry experts in workforce development. Changes represent the latest trends in the skills and proficiency required to meet industry employment standards. (See attached Program Supporting Documents).

Proposal Supporting Documents
- CTEC Catalog Pages (All)- Final Draft- 10-13-19.pdf

Other Departments Involved
Yes
General Education required courses curriculum current with their respective departments:
Math, English, STEM

Have other departments been consulted?
Yes

Proposal Impact(s) - Articulation
Articulation of Facilities Management CA as per FMGT PCC UH West Oahu/UH Maui College 9/20/2019.

Proposal Impact(s) - Requirements
While the program map changes being made increase the credits required in the CTEC program from 34 credits for the current individual CA to 37 credits for each of the three CA pathways being submitted. Overall credits required for the CTEC AAS through either of the CA pathways are reduced from 63-66 credits to 60 credits.

Proposal Impact(s) - Resources
No additional resources. Certificate courses taught by current UHMC faculty and staff.

Department Vote
5 approve, 0 not approve, 0 abstain, September 27, 2019

Proposer Notes

General Information

Program Title
CONSTRUCTION TECHNOLOGY- FACILITIES MANAGEMENT (CA)

Program Level Type
Certificate

Degree Type
--

Catalog Description
The Construction Technology program prepares students in general building construction and maintenance of large or small structures. It allows students to explore different trades prior to selecting a specialization.

College

Division

Department

CTE

Learning Outcomes

Outcomes

Program Requirements

Entrance Requirements

None

—

None

Satisfactory Progress Requirements

Minimum required GPA 2.0 (C) and the minimum acceptable grade 1.0 (D).

—

None

Completion Requirements

Requirements for Certificate of Achievement (CA)

Construction Technology - Facilities Management: 37 Credits

Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on for the AAS degree.

Note: MATH 75/82 may be substituted for the Certificate of Achievement or Competence for those not going on for the AAS degree.

Logic: A

A

- All Of these courses:
  - FMGT 100 - Introduction to Building Maintenance and Construction
  - FMGT 200 - Mechanical Systems Design and Construction
  - FMGT 201 - Facilities Operations and Leadership
  - ELEC 100 - Survey of Electrical Math and Physics
  - BLPR 101 - Blueprint & Drafting Foundations
  - SSM 201 - Sustainable Bldg Design
  - BLAW 200 - Legal Environmt Business
- And any of the following
  - # Of Credits From these courses: 3
    - FMGT 120 - Introduction to Project Management
    - BUS 120 - Principles of Business
- And any of the following
  - # Of Credits From these courses: 3
    - ENRG 101 - Introduction to Sustainable Technology
    - SSM 101 - Intro Sci of Sustainability
- And any of the following
  - # Of Credits From these courses: 3
    - ENRG 103 - Energy Productn Systems
    - SSM 275 - Basic Energy Productn
- And any of the following
  - # Of Credits From these courses: 3
    - ENG 209 - Bus/Mgr Writing
    - ENG 210 - Research Writing
  - Or
  - Or ENG 22 may be substituted in the Certificate of Achievement for those not going on for the AAS degree.
- And # Of Credits From these courses: 3
  - ECON 120 - Intro Economics
  - ECON 130 - Princ Econ Micro
  - ECON 131 - Princ Econ Macro
- And any of the following
  - # Of Credits From these courses: 3
    - MATH 103 - College Algebra
    - MATH 115 - Intro Stats & Probability
  - Or MATH75X/82 may be substituted in the Certificate of Achievement for those not going on for the AAS degree.

BOR Information

Program Justification

Program Mission and Objectives

Program Curriculum Plan

Program Target Group

Program Resources

Program Efficiency

Program Effectiveness

Attachments

Curriculum Committee (For Administrative Use Only)

---

1) Start Date

2) Type of Proposal
--

3) Curriculum Proposal Number

4) Curriculum Committee notes

☒ **New Program Code** ☐ **Modify Program Code** Date: 8/12/2020

REQUESTOR CONTACT INFORMATION

Name	Debie Amby	Campus	Maui College, UH
Title	Banner/Curriculum Specialist	Email	debie@hawaii.edu
Office/Dept	VCAA	Phone	808-984-3378

NEW PROGRAM CODE TO CREATE

Institution MAU - Univ of Hawaii Maui College Campus MAU - Univ of Hawaii Maui College

Level UG - Undergraduate Effective Term Fall 2020

	Code (Max. Characters)	**Description**	**Check if requesting new code:**
College	(2) IN	Instructional	☐ See Banner form STVCOLL
Department	(4) CTEC	Construction Technology	☐ See Banner form STVDEPT
Degree/Certificate	(6) CO	Certificate of Competence	☐ See Banner form STVDEGC
Major	(4) CTEC	Construction Technology	☐ See Banner form STVMAJR
Concentration	(4) FMGT	Facilities Management	☒ See Banner form STVMAJR
Minor	(4)		☐ See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: FMGT

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

If new major, please list the BOR's approved Classification of Instructional Programs (CIP) Code:

Is this major/concentration code being used the same way at the other UH campuses? ☒ Yes ☐ No

Should this program be available for applicants to select as their planned course of study ☐ Yes ☒ No
on the online application? *If yes, student may select the code as their only program of study.*

RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION

Is 50% or greater of the classes in this program offered at a location other than the Home Campus? ☐ Yes ☒ No

Is this program/major/certificate financial aid eligible? ☐ Yes ☒ No

Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? ☐ Yes ☒ No
See http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html

Program Length
In academic years; decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication. 1

Special Program Designations ☐ A ☐ B ☒ N ☐ P ☐ T ☐ U
See Special Program Designations Code Definitions on IRAO Program Code Request webpage

Required Terms of Enrollment: ☒ Fall ☒ Spring ☐ Summer ☐ Extended

IRAO USE ONLY: DATE RECEIVED

ADDITIONAL COMMENTS (for modifying existing program codes, specify the term to turn on/off the online application, the recruitment/admission term, and the general student/history/degree term.)

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents   ☒ Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

☒ Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.

☒ Curriculum

CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...

☐ BOR approved certificate. BOR Meeting/Approval Date: _____

☒ Chancellor approved within an authorized BOR program. BOR Program: <u>AAS-CTEC</u>

☐ Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.

Registrar (Print Name)	**Financial Aid Officer** (Print Name)	**For Community Colleges, verification of consultation with OVPCC Academic Affairs:**
Flora Mora	Davileigh Naeole	Della Teraoka
Signature 8/19/20 Date	_Signature_ 8/19/20 Date	_Signature_ 9/25/2020 Date

Form modified: Oct 2019

CO-CTEC-FMGT
CONSTRUCTION TECHNOLOGY- FACILITIES MANAGEMENT (CO)
Approved | Fall 2020

Proposal Information

Workflow Status

Proposer
✔ **Clifford Rutherford (Submitter)**
Submitted 9-29-2019

DEPARTMENT (CTE) \\ Curriculum Department Representative
✔ **Lawrence Martinson**
Approved 10-2-2019

DEPARTMENT (CTE) \\ Department Chair
✔ **Thomas Hussey**
Approved 10-2-2019

(CURRICULUM COMMITTEE CHAIRS) \\ CHAIRS
✔ **Timothy Marmack**
Approved 10-13-2019
✔ **Lorelle A S Peros**
Approved 10-13-2019

(ACADEMIC SENATE) \\ SENATE CHAIR
✔ **Rosemary Vierra**
Approved 10-13-2019

(ADMINISTRATION) \\ VCAA
✔ **Kaheleonolani Dukelow**
Approved 2-26-2020
✔ **Laura Nagle**
Approved 10-25-2019

(ADMINISTRATION) \\ CHANCELLOR
✔ **Lui Hokoana**
Approved 6-29-2020

(BANNER REVIEW/INPUT) \\ BANNER SPECIALIST
✔ **Debie Amby**
Approved 7-9-2020

Code	Title
CO-CTEC-FMGT	CONSTRUCTION TECHNOLOGY- FACILITIES MANAGEMENT (CO)

Proposal Details

Type of Proposal
New

Proposer Name(s)
Clifford Rutherford

Internal Proposal Date
September 30, 2019

Proposal Summary
This proposal adds the Construction Technology Facilities Management CO to the repertoire of building blocks towards Construction Technology program's AAS and facilitates the establishment of a non-terminal AAS pathway for UHMC CTEC students leading to West Oahu's FMGT concentration BAS degree.

Course(s)
FMGT 100 - Introduction to Building Maintenance and Construction (Proposal submitted and approved Spring 2019)
FMGT 120 - Introduction to Project Management (Proposal submitted and approved Spring 2019)
FMGT 200 - Mechanical Systems Design and Construction (Proposal submitted and approved Spring 2019)
FMGT 201 - Facilities Operations and Leadership (Proposal submitted and approved Spring 2019)

Proposal Rationale/Justification
Major changes to the CTEC Program's curriculum, certificates and degree pathways are a direct result of over 5 years of consultation and recommendations from local industry leaders in the CTEC Program Advisory Committee, the Maui Facilities Leadership Council, local apprenticeship programs, and other industry experts in workforce development. Changes represent the latest trends in the skills and proficiency required to meet industry employment standards. (See attached Program Supporting Documents).

Proposal Supporting Documents
  • CTEC Catalog Pages (All)- Final Draft- 10-13-19.pdf

Other Departments Involved
University of Hawaii West Oahu (UHWO) FMGT BAS

Have other departments been consulted?
Yes

Proposal Impact(s) - Articulation
This CO has been developed with the advisement and continuing efforts of West Oahu's FMGT faculty through PCC articulation meetings. Final articulation documents will be drafted in the spring 2020 semester.

Proposal Impact(s) - Requirements
Creation of the FMGT CO and CA facilitate the overall requirements for the CTEC Associate Degree decrease from 62-65 to 60.

Proposal Impact(s) - Resources
Minimal impact is expected as the majority of the courses in the certificate will rely on existing CTEC faculty and lecturers to teach the courses. No additional equipment is required at this time.

Department Vote
5 approve, 0 not approve, 0 abstain, September 27, 2019

Proposer Notes

General Information

Program Title
CONSTRUCTION TECHNOLOGY - Facilities Management (CO)

Program Level Type
Certificate

Degree Type
—

Catalog Description
The Construction Technology program prepares students in general building construction and maintenance of large or small structures. The program allows students to explore different trades prior to selecting a specialization.

College

Division

Department
CTE

Learning Outcomes

Outcomes

Program Requirements

Entrance Requirements
None

—

None

Satisfactory Progress Requirements
Students must earn a GPA of 2.0 or better for all credit courses required in the CO.

–
None

Completion Requirements
Requirements for Certificate of Competence (CO)
Construction Technology - Facilities Management: 10 credits

Logic: A
   A   Certificate of Competence (CO) - CTEC- Facilities Management: 10 credits
   - # Of Credits From these courses: **10**
      - ○ **FMGT 100 - Introduction to Building Maintenance and Construction**
      - ○ **FMGT 120 - Introduction to Project Management**
      - ○ **FMGT 200 - Mechanical Systems Design and Construction**
      - ○ **FMGT 201 - Facilities Operations and Leadership**

BOR Information

Program Justification

Program Mission and Objectives

Program Curriculum Plan

Program Target Group

Program Resources

Program Efficiency

Program Effectiveness

Attachments

Curriculum Committee (For Administrative Use Only)

1) Start Date

2) Type of Proposal
–

3) Curriculum Proposal Number

4) Curriculum Committee notes

NEW OR MODIFY PROGRAM CODE

Form #CR-AP1
Modified October 2019

☒ **New Program Code**   ☐ **Modify Program Code**   Date: 8/12/2020

REQUESTOR CONTACT INFORMATION

Name	Debie Amby	Campus	Maui College, UH ▾
Title	Banner/Curriculum Specialist	Email	debie@hawaii.edu
Office/Dept	VCAA	Phone	808-984-3378

NEW PROGRAM CODE TO CREATE

Institution MAU - Univ of Hawaii Maui College ▾   Campus MAU - Univ of Hawaii Maui College ▾

Level UG - Undergraduate ▾   Effective Term Fall 2020

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) IN	Instructional	☐ See Banner form STVCOLL
Department	(4) CTEC	Construction Technology	☐ See Banner form STVDEPT
Degree/Certificate	(6) CA	Certificate of Achievement	☐ See Banner form STVDEGC
Major	(4) CTEC	Construction Technology	☐ See Banner form STVMAJR
Concentration	(4) FMEC	Facilities Mechanical	☒ See Banner form STVMAJR
Minor	(4)		☐ See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code:

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

If new major, please list the BOR's approved Classification of Instructional Programs (CIP) Code:

Is this major/concentration code being used the same way at the other UH campuses?   ☐ Yes   ☒ No

Should this program be available for applicants to select as their planned course of study   ☒ Yes   ☐ No
on the online application? *If yes, student may select the code as their only program of study.*

RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION

Is 50% or greater of the classes in this program offered at a location other than the Home   ☐ Yes   ☒ No
Campus?

Is this program/major/certificate financial aid eligible?   ☐ Yes   ☒ No

Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate   ☐ Yes   ☒ No
program)?
See http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html

Program Length
*In academic years; decimals are acceptable. The length of the program should match what is published by the campus in
any online and/or written publication.*   1

Special Program Designations   ☐ A   ☐ B   ☒ N   ☐ P   ☐ T   ☐ U
*See Special Program Designations Code Definitions on IRAO
Program Code Request webpage*

Required Terms of Enrollment: ☒ Fall   ☒ Spring   ☐ Summer   ☐ Extended

IRAO USE ONLY: DATE RECEIVED

ADDITIONAL COMMENTS (for modifying existing program codes, specify the term to turn on/ off the online application, the recruitment/admission term, and the general student/history/ degree term.)

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents   ☒ Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

☒ Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.

☒ Curriculum

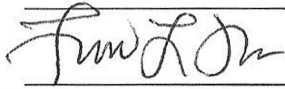> **CERTIFICATES ONLY: Please check one (1) statement.** This certificate is a...
> ☐ BOR approved certificate. BOR Meeting/Approval Date: _____
> ☒ Chancellor approved within an authorized BOR program. BOR Program: AAS-CTEC _____
> ☐ Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.
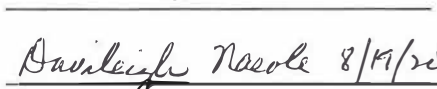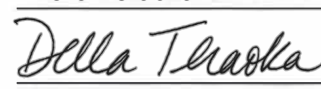
Registrar (Print Name)	Financial Aid Officer (Print Name)	For Community Colleges, verification of consultation with OVPCC Academic Affairs:
Flora Mora	Davileigh Naeole	Della Teraoka
Signature 8/19/20	_Davileigh Naeole_ 8/19/20	_Della Teraoka_ 9/25/2020
Signature Date	Signature Date	Signature Date

Form modified: Oct 2019

CA-CTEC-FMEC
CONSTRUCTION TECHNOLOGY- FACILITIES MECHANICAL (CA)

Approved | Fall 2020

Proposal Information

Workflow Status

Proposer
✔ **Clifford Rutherford (Submitter)**
   Submitted 9-29-2019

DEPARTMENT (CTE) \\ Curriculum Department Representative
✔ **Lawrence Martinson**
   Approved 10-2-2019

DEPARTMENT (CTE) \\ Department Chair
✔ **Thomas Hussey**
   Approved 10-2-2019

(CURRICULUM COMMITTEE CHAIRS) \\ CHAIRS
✔ **Timothy Marmack**
   Approved 10-13-2019
✔ **Lorelle A S Peros**
   Approved 10-13-2019

(ACADEMIC SENATE) \\ SENATE CHAIR
✔ **Rosemary Vierra**
   Approved 10-13-2019

(ADMINISTRATION) \\ VCAA
✔ **Kaheleonolani Dukelow**
   Approved 2-26-2020
✔ **Laura Nagle**
   Approved 10-25-2019

(ADMINISTRATION) \\ CHANCELLOR
✔ **Lui Hokoana**
   Approved 7-10-2020

(BANNER REVIEW/INPUT) \\ BANNER SPECIALIST
✔ **Debie Amby**
   Approved 8-25-2020

Code	Title
CA-CTEC-FMEC	CONSTRUCTION TECHNOLOGY- FACILITIES MECHANICAL (CA)

Proposal Details

Type of Proposal
New

Proposer Name(s)
Clifford Rutherford

Internal Proposal Date
September 30, 2019

Proposal Summary
This proposal is a result of the Construction Technology (CTEC) Program's change of course curriculum and number changes to 100 level that were submitted and approved in Spring 2019. These changes enable UHMC to articulate with DOE for dual credit courses, add elective exploratory avenues for undecided majors, and meet requirements for employment in entry level positions in specific building and construction and specialty trades to include facilities management. Additionally, the establishment of three new CA's in the CTEC program allows students to earn their AAS in specific trade areas or concentrations with the ability to transition from two terminal paths to a third transfer path to UH West Oahu's BAS-FMGT

Course(s)
ENRG 101 - Introduction to Sustainable Technology (Proposal submitted and approved Spring 2017)
ENRG 103 - Energy Productn Systems (Proposal submitted and approved Spring 2017)
FMGT 100 - Introduction to Building Maintenance and Construction (Proposal submitted and approved Spring 2019)
MAIN 150 - Plumbing I (Proposal submitted and approved Spring 2019)
MAIN 155 - Plumbing II (Proposal submitted and approved Spring 2019)
MAIN 160 - Small Equipment Repair (Proposal submitted and approved Spring 2019)
MAIN 165 - Air Conditioning and Refrigeration (Proposal submitted and approved Spring 2019)
MAIN 166 - HVACR Refrigerant Recovery (Proposal submitted and approved Spring 2019)
MAIN 167 - HVACR System Design and Controls (Proposal submitted and approved Spring 2019)
MAIN 170 - Preventive Maintenance
ELEC 100 - Survey of Electrical Math and Physics (Proposal submitted and approved Spring 2019)
ELEC 110 - Residential and Light Commercial Wiring (Proposal submitted and approved Spring 2019)
BLPR 101 - Blueprint & Drafting Foundations (Proposal submitted and approved Spring 2017)
OSH 100 - First Aid, CPR, and AED (Proposal submitted and approved Spring 2019)
OSH 110 - Occupational Safety and Health for Construction (Proposal submitted and approved Spring 2019)

General Education required courses curriculum current with their respective departments:
ENG 100 - Composition I
Or
ENG 106 - Report Writing
And
MATH 100 - Survey of Math
Or higher
Or
BUSN 189 - Business Math

Proposal Rationale/Justification

Major changes to the CTEC Program's curriculum, certificates and degree pathways are a direct result of over 5 years of consultation and recommendations from local industry leaders in the CTEC Program Advisory Committee, the Maui Facilities Leadership Council, local apprenticeship programs, and other industry experts in workforce development. Changes represent the latest trends in the skills and proficiency required to meet industry employment standards. (See attached Program Supporting Documents).

Proposal Supporting Documents

- CTEC Catalog Program Map Pages (FINAL DRAFT 9-26-19).pdf

Other Departments Involved

Yes
General Education required courses curriculum current with their respective departments:
ENG 100 - Composition I
Or
ENG 106 - Report Writing
And
MATH 100 - Survey of Math
Or higher
Or
BUSN 189 - Business Math

Have other departments been consulted?

Yes

Proposal Impact(s) - Articulation

Program Coordination Councils for CARP, BLPR, AEC, and ELEC updated to intended CTEC program changes and approved Fall 2017. No articulation at certificate level with this CA.

Proposal Impact(s) - Requirements

While the program map changes being made increase the credits required in the CTEC program from 34 credits for the current individual CA to 37 credits for each of the three CA pathways being submitted. Overall credits required for the CTEC AAS through either of the CA pathways are reduced from 63-66 credits to 60 credits.

Proposal Impact(s) - Resources

No additional resources. Certificate courses taught by current UHMC faculty and staff.

Department Vote

5 approve, 0 not approve, 0 abstain, September 27, 2019

Proposer Notes

General Information

Program Title

CONSTRUCTION TECHNOLOGY- FACILITIES MECHANICAL (CA)

Program Level Type   **Degree Type**

Certificate   --

Catalog Description

The Construction Technology program prepares students in general building construction and maintenance of large or small structures. It allows students to explore different trades prior to selecting a specialization.

College

Division

Department
CTE

Learning Outcomes

Outcomes

Program Requirements

Entrance Requirements
None

—

None

Satisfactory Progress Requirements
Minimum required GPA 2.0 (C) and the minimum acceptable grade 1.0 (D).

—

None

Completion Requirements
Requirements for Certificate of Achievement (CA)
Construction Technology - Facilities Mechanical: 37 Credits
ENG 22 may be substituted for the Certificate of Achievement for those not going on for the AAS degree.
MATH 75/82 may be substituted for the Certificate of Achievement or Competence for those not going on for the AAS degree.

Logic: A
   A
- All Of these courses:
  - ENRG 101 - Introduction to Sustainable Technology
  - ENRG 103 - Energy Productn Systems
  - FMGT 100 - Introduction to Building Maintenance and Construction
  - MAIN 150 - Plumbing I
  - MAIN 155 - Plumbing II
  - MAIN 160 - Small Equipment Repair
  - MAIN 165 - Air Conditioning and Refrigeration
  - MAIN 166 - HVACR Refrigerant Recovery
  - MAIN 167 - HVACR System Design and Controls
  - MAIN 170 - Preventive Maintenance
  - ELEC 100 - Survey of Electrical Math and Physics
  - ELEC 110 - Residential and Light Commercial Wiring
  - BLPR 101 - Blueprint & Drafting Foundations
  - OSH 100 - First Aid, CPR, and AED
  - OSH 110 - Occupational Safety and Health for Construction
- And any of the following
  - Completed these courses:
    - ENG 100 - Composition I
  - Or completed these courses:
    - ENG 106 - Report Writing
  - Or ENG 22 may be substituted in the Certificate of Achievement for those not going on for the AAS degree.
- And any of the following
  - Completed these courses:
    - MATH 100 - Survey of Math
  - Or higher
  - Or completed these courses:
    - BUSN 189 - Business Math
  - Or MATH75X/82 may be substituted in the Certificate of Achievement for those not going on for the AAS degree.

BOR Information

Program Justification

Program Mission and Objectives

Program Curriculum Plan

Program Target Group

Program Resources

Program Efficiency

Program Effectiveness

Attachments

Curriculum Committee (For Administrative Use Only)

1) Start Date

2) Type of Proposal

--

3) Curriculum Proposal Number

4) Curriculum Committee notes

NEW OR MODIFY PROGRAM CODE

Form #CR-AP1
Modified October 2019

☒ **New Program Code**   ☐ **Modify Program Code**   Date: 8/12/2020

REQUESTOR CONTACT INFORMATION

Name	Debie Amby	Campus	Maui College, UH ▾
Title	Banner/Curriculum Specialist	Email	debie@hawaii.edu
Office/Dept	VCAA	Phone	808-984-3378

NEW PROGRAM CODE TO CREATE

Institution MAU - Univ of Hawaii Maui College ▾   Campus MAU - Univ of Hawaii Maui College ▾

Level UG - Undergraduate ▾   Effective Term Fall 2020

	Code (Max. Characters)		Description	Check if requesting new code:
College	(2)	IN	Instructional	☐ See Banner form STVCOLL
Department	(4)	CTEC	Construction Technology	☐ See Banner form STVDEPT
Degree/Certificate	(6)	CO	Certificate of Competence	☐ See Banner form STVDEGC
Major	(4)	CTEC	Construction Technology	☐ See Banner form STVMAJR
Concentration	(4)	ACM	Air Conditioning Maintenance	☒ See Banner form STVMAJR
Minor	(4)			☐ See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: _____

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

_____

If new major, please list the BOR's approved Classification of Instructional Programs (CIP) Code: _____

Is this major/concentration code being used the same way at the other UH campuses? ☐ Yes ☒ No

Should this program be available for applicants to select as their planned course of study ☐ Yes ☒ No
on the online application? *If yes, student may select the code as their only program of study.*

RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION

Is 50% or greater of the classes in this program offered at a location other than the Home Campus? ☐ Yes ☒ No

Is this program/major/certificate financial aid eligible? ☐ Yes ☒ No

Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? ☐ Yes ☒ No
See *http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html*

Program Length
In academic years; decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication.   0.5

Special Program Designations
See Special Program Designations Code Definitions on IRAO Program Code Request webpage
☐ A   ☐ B   ☒ N   ☐ P   ☐ T   ☐ U

Required Terms of Enrollment: ☒ Fall   ☒ Spring   ☐ Summer   ☐ Extended

IRAO USE ONLY: DATE RECEIVED

Page **1** of **2**

ADDITIONAL COMMENTS (for modifying existing program codes, specify the term to turn on/ off the online application, the recruitment/admission term, and the general student/history/ degree term.)

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents   ☒ Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

☒ Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.

☒ Curriculum

CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...

☐ BOR approved certificate. BOR Meeting/Approval Date: _____

☒ Chancellor approved within an authorized BOR program. BOR Program: AAS-CTEC_____

☐ Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.
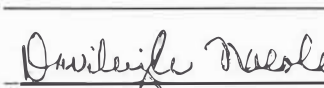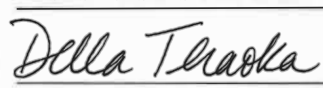
Registrar (Print Name)	Financial Aid Officer (Print Name)	For Community Colleges, verification of consultation with OVPCC Academic Affairs:
Flora Mora	Davileigh Naeole	Della Teraoka
[signature] 8/19/20	_[signature]_ 8/19/20	_[signature]_ 9/25/2020
Signature Date	Signature Date	Signature Date

Form modified: Oct 2019

CO-CTEC-ACM
CONSTRUCTION TECHNOLOGY- AIR CONDITIONING
MAINTENANCE (CO)
Approved | Fall 2020

Proposal Information

Workflow Status

Proposer
✔ **Clifford Rutherford (Submitter)**
Submitted 9-29-2019

DEPARTMENT (CTE) \\ Curriculum Department Representative
✔ **Lawrence Martinson**
Approved 10-2-2019

DEPARTMENT (CTE) \\ Department Chair
✔ **Thomas Hussey**
Approved 10-2-2019

(CURRICULUM COMMITTEE CHAIRS) \\ CHAIRS
✔ **Timothy Marmack**
Approved 10-13-2019
✔ **Lorelle A S Peros**
Approved 10-13-2019

(ACADEMIC SENATE) \\ SENATE CHAIR
✔ **Rosemary Vierra**
Approved 10-13-2019

(ADMINISTRATION) \\ VCAA
✔ **Kaheleonolani Dukelow**
Approved 2-26-2020
✔ **Laura Nagle**
Approved 10-25-2019

(ADMINISTRATION) \\ CHANCELLOR
✔ **Lui Hokoana**
Approved 6-29-2020

(BANNER REVIEW/INPUT) \\ BANNER SPECIALIST
✔ **Debie Amby**
Approved 7-9-2020

(CATALOG & STAR INPUT) \\ STAR GPS SPECIALIST

- ✉ Christine Ishihara

- ✉ Shane Payba

Code	Title
CO-CTEC-ACM	CONSTRUCTION TECHNOLOGY- AIR CONDITIONING MAINTENANCE (CO)

Proposal Details

Type of Proposal
New

Proposer Name(s)
Clifford Rutherford

Internal Proposal Date
September 30, 2019

Proposal Summary
The Air Conditioning Maintenance Certificate of Competence (CO) is created as a result CTEC Program Advisory Committee recommendations, industry recognition of the growing workforce demand on Maui for specific training in the HVAC field, and Perkins grant funding. The CO will create new opportunities for employment and education within the CTEC program's offerings without increasing credits for degrees.

Course(s)
MAIN 165 - Air Conditioning and Refrigeration (Proposal submitted and approved Spring 2019)
MAIN 166 - HVACR Refrigerant Recovery (Proposal submitted and approved Spring 2019)
MAIN 167 - HVACR System Design and Controls (Proposal submitted and approved Spring 2019)

Proposal Rationale/Justification
Major changes to the CTEC Program's curriculum, certificates and degree pathways are a direct result of over 5 years of consultation and recommendations from local industry leaders in the CTEC Program Advisory Committee, the Maui Facilities Leadership Council, local apprenticeship programs, and other industry experts in workforce development. Changes represent the latest trends in the skills and proficiency required to meet industry employment standards. (See attached Program Supporting Documents).

Proposal Supporting Documents
- CTEC Catalog Program Map Pages (FINAL DRAFT 9-26-19).pdf

Other Departments Involved
No

Have other departments been consulted?

Proposal Impact(s) - Articulation
While a similar certificate is planned through non-credit, only portions of the non-credit curriculum will meet the requirements for CTEC program credits and will be articulated through Prior Learning Assessment (PLA) and evidence of recognized industry certificates if students can show that they have met the SLOs for the individual courses. Example: Valid EPA Section 608 Universal Technician Certificate.

Proposal Impact(s) - Requirements

While the overall requirements for the Associate Degree decrease from 62-65 to 60, the Air Conditioning Maintenance CO creates a specialty through established electives in the CTEC Program's map, CAs, and COs without increasing credit requirements.

Proposal Impact(s) - Resources

Creation of this certificate is Perkins grant funded. While the grant pays for coordination duties for high school and community outreach, curriculum development and equipment funding. However, the grant does not cover instructor salary. Currently, one faculty and one lecture cover two of the courses and another lecturer with specific expertise will be employed to teach the final of the certificate courses.

Department Vote

5 approve, 0 not approve, 0 abstain, September 27, 2019

Proposer Notes

General Information

Program Title

CONSTRUCTION TECHNOLOGY - AIR CONDITIONING MAINTENANCE (CO)

Program Level Type   **Degree Type**

Certificate   –

Catalog Description

The Construction Technology program prepares students in general building construction and maintenance of large or small structures. The program allows students to explore different trades prior to selecting a specialization.

College

Division

Department

CTE

Learning Outcomes

Outcomes

Program Requirements

Entrance Requirements

None

–

None

Satisfactory Progress Requirements

Students must earn a GPA of 2.0 or better for all credit courses required in the CO.

—

None

Completion Requirements

Requirements for Certificate of Competence (CO)
Construction Technology- Air Conditioning Maintenance: 5 credits

Logic: A
   A   Certificate of Competence (CO) - CTEC- Maintenance Painting: 4 credits
   • # Of Credits From these courses: **5**
         o **MAIN 165 - Air Conditioning and Refrigeration**
         o **MAIN 166 - HVACR Refrigerant Recovery**
         o **MAIN 167 - HVACR System Design and Controls**
   • And earned a minimum GPA Of: **2**

BOR Information

Program Justification

Program Mission and Objectives

Program Curriculum Plan

Program Target Group

Program Resources

Program Efficiency

Program Effectiveness

Attachments

Curriculum Committee (For Administrative Use Only)

1) Start Date

2) Type of Proposal
--

3) Curriculum Proposal Number

4) Curriculum Committee notes

UNIVERSITY *of* HAWAI'I®
MAUI COLLEGE

August 19, 2020

MEMORANDUM

TO: Donald O. Straney
Vice President for Academic Planning and Policy

FROM: Lui K. Hokoana
Chancellor

SUBJECT: Program Action at UH Maui College

I have approved the following program actions so that the necessary codes can be established in Banner. If you have any questions or concerns, please let me know. Thank you for your assistance.

NEW PROGRAM CODE
AAS-AMT2-ABRP (Auto Body Repair & Painting) Effective Term Fall 2020.
CA-AMT2-ABRP (Auto Body Repair & Painting) Effective Term Fall 2020.
CO-AMT2-AMHA (Heating & Air Conditioning) Effective Term Fall 2020.
CO-AMT2-AMSS (Suspension & Steering) Effective Term Fall 2020.
CA-CTEC-BUCO (Building Maintenance & Construction) Effective Term Fall 2020.
CA-CTEC-FMGT (Facilities Management) Effective Term Fall 2020.
CA-CTEC-FMEC (Facilities Mechanical) Effective Term Fall 2020.
CO-CTEC-ACM (Air Conditioning Maintenance) Effective Term Fall 2020.
CO-CTEC-FMGT (Facilities Management) Effective Term Fall 2020.
AS-CM-CFLM (Filmmaking) Effective Term Fall 2020.
AS-CM-GRAP (Graphic Design) Effective Term Fall 2020.
AS-CM-WEBD (Web Development) Effective Term Fall 2020.
CA-CM-CFLM (Filmmaking) Effective Term Fall 2020.
CA-CM-GRAP (Graphic Design) Effective Term Fall 2020.
CA-CM-WEBD (Web Development) Effective Term Fall 2020.
CO-HSER-YDPR (Youth Development Practitioner) Effective Term Fall 2020.
CO-NSCI-SCLT (Science Lab Technician) Effective Term Fall 2020.
CO-BTEC-CPRP (Career Preparation) Effective Term Fall 2020.

REPLACE PROGRAM CODE
CO-BUSM-EMKT (e-Marketing) Effective Term Fall 2017.

NEW SUBJECT CODE
HDFS (Human Development & Family Studies) Effective Term Fall 2020.
FMGT (Facilities Management) Effective Term Fall 2020.

CC: **Pearl Iboshi, Director of IRAO**
Tammi Oyadomari-Chun, UHCC Director of Academic Programs
Debra Nakama, Vice Chancellor of Student Affairs
Kahele Dukelow, Dean of Arts & Sciences
Laura Nagle, Dean of CTE
Kulamanu Ishihara, Assistant Professor, Counseling

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Website: www.maui.hawaii.edu

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Action Institution