

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) <u>IN</u>	<u>Instructional</u>	<input type="checkbox"/> See Banner form STVCOLL
Department	(4) <u>LBRT</u>	<u>Liberal Arts</u>	<input type="checkbox"/> See Banner form STVDEPT
Degree/Certificate	(6) <u>CO</u>	<u>Certificate of Competence</u>	<input type="checkbox"/> See Banner form STVDEGC
Major	(4) <u>NSCI</u>	<u>Natural Science</u>	<input type="checkbox"/> See Banner form STVMAJR
Concentration	(4) <u>SCLT</u>	<u>Science Lab Technician</u>	<input checked="" type="checkbox"/> See Banner form STVMAJR
Minor	(4) _____	_____	<input type="checkbox"/> 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)? 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

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: ASNS-NSCI
- 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)

Flora Mora

Flora Mora 8/19/20
 Signature Date

Financial Aid Officer
(Print Name)

Davileigh Naeole

Davileigh Naeole 8/19/20
 Signature Date

For Community Colleges,
verification of consultation with
OVPC Academic Affairs:

Della Teraoka

Della Teraoka 9/25/2020
 Signature Date



UNIVERSITY of HAWAII*
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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Fax: 808 984-3546
Website: www.maui.hawaii.edu

CO-SLT CO-Science Laboratory Technician

Approved | Fall 2020

Proposal Information

Workflow Status

Proposer

✓ **Sean Calder (Submitter)**

✓ Submitted 10-25-2019

✓ **Sean Calder**

✓ Submitted 10-26-2019

thank you

✓ **Sean Calder**

✓ Submitted 10-26-2019

✓ **Sean Calder**

✓ Submitted 10-28-2019

DEPARTMENT (STEM) \\ Curriculum Department Representative

✓ **Elisabeth Dubuit**

✓ Approved 10-28-2019

DEPARTMENT (STEM) \\ Department Chair

✓ **Sean Calder**

✓ Approved 10-28-2019

(CURRICULUM COMMITTEE CHAIRS) \\ CHAIRS

✓ **Timothy Marmack**

✓ Approved 11-9-2019

✓ **Lorelle A S Peros**

✓ Approved 11-11-2019

(ACADEMIC SENATE) \\ SENATE CHAIR

✓ **Rosemary Vierra**

✓ Approved 11-12-2019

(ADMINISTRATION) \\ VCAA

✓ **Kaheleonolani Dukelow**

✓ Approved 1-10-2020

✓ **Laura Nagle**

✓ Approved 12-30-2019

(ADMINISTRATION) \\ CHANCELLOR

✓ **Lui Hokoana**

✓ Approved 1-11-2020

(BANNER REVIEW/INPUT) \\ BANNER SPECIALIST

- ✓ **Debie Amby**
Approved 8-25-2020

(CATALOG & STAR INPUT) \\ STAR GPS SPECIALIST

- ☑ **Christine Ishihara**
- ☑ **Shane Payba**

Code	Title
CO-SLT	CO-Science Laboratory Technician

Proposal Details

Type of Proposal

New

Proposer Name(s)

Sean Calder and Andrea Kealoha

Internal Proposal Date

10/25/2019

Proposal Summary

This proposal for the Science Laboratory Technician Certificate grew out of the USDA ANNH Ka Wai Ola: The living water of Maui grant. Two new courses SCI 165L Introduction to Science Laboratory Techniques, and Sci 265L Environmental Testing Laboratory Techniques were developed for the certificate, while Biol 152L Intro to Biotech Lab, already an established class is included in the CO. This certificate will allow students to be able to work as entry level lab technicians in industry, agriculture, education, and in the health care field.

Course(s)

SCI 165L - Intro to Scientific Lab Techniques (Proposal submitted and approved spring 2019)
SCI 265L - Environmental Testing Lab Techniques (Proposal submitted and approved spring 2019)
BIOL 152L - Intro to the Biotech Lab

Proposal Rationale/Justification

Water quality is a major issue today, and the proposal came out of the vision of the chancellor as part of the USDA grant to develop a certificate of competence in Laboratory Techniques with an emphasis on water quality and environmental testing to meet the needs of Maui farmers, environmental groups, and local businesses. The certificate allows students to learn the basic skills needed to work in labs in academia, industry, health and, agriculture for which there is a projected need.

Proposal Supporting Documents

Other Departments Involved

Have other departments been consulted?

Proposal Impact(s) - Articulation

This program is not currently articulated with any degree but the courses can be used as electives in the ASNS degree and in LA.

Proposal Impact(s) - Requirements

This certificate does not impact any other certificates or degrees

Proposal Impact(s) - Resources

This certificate does not impact current resources, as the USDA grant is funding it. When the grant is over the funds acquired from the water quality testing lab will continue to the CO and it will not impact the STEM departments budget.

Department Vote

22 Approve, 0 not Approve, 0 Abstain

Proposer Notes

General Information

Program Title

Science Lab Technician

Program Level Type

Certificate

Degree Type

–

Catalog Description

The Science Laboratory Technician program prepares students with skills and training to work independently in a laboratory setting and acquire entry-level laboratory technician positions. This Certificate of Competence (CO) consists of three laboratory-based classes. Students will gain knowledge of general laboratory techniques, learn how to operate laboratory equipment for nutrients and microbiology analyses, collect, prepare and analyze samples, as well as record, report and interpret data. This program will focus on laboratory training as it relates to environmental science, water quality and biotechnology.

College

Division

Department

STEM

Learning Outcomes

Outcomes

NSCI PLO 1. Explain the natural and technological world using reflection and quantitative analysis including preparation of a plan to collect, process, and interpret data; evaluation of the plan, procedures, and findings; and communication of the conclusions;

NSCI PLO 2. Explain scientific knowledge and understanding to different audiences for a range of purposes;

NSCI PLO 3. Apply scientific knowledge, skills, and understandings to problems and issues in daily life.

Linked Institution Outcomes

-- No options selected --

LINKED COURSE OUTCOMES

--- None ---

Program Requirements

Entrance Requirements

Completion of Eng 100, Math 103, Biol 101/101L, Chem 151/151L or Chem 161/161L with grades of C or better

Logic: A

- A Completion of Eng 100, Math 103, Biol 101/101L, Chem 151/151L or Chem 161/161L with grades of C or better
 - Completed these courses:
 - BIOL 101L - Biology and Society Lab
 - BIOL 101 - Biology and Society
 - CHEM 151 - Elem Survey Chemistry
 - CHEM 151L - Elementary Survey of Chemistry Lab
 - MATH 103 - College Algebra
 - ENG 100 - Composition I
 - Or completed these courses:
 - BIOL 101 - Biology and Society
 - BIOL 101L - Biology and Society Lab
 - CHEM 161L - General Chemistry Lab I
 - CHEM 161 - General Chemistry I
 - MATH 103 - College Algebra
 - ENG 100 - Composition I

Satisfactory Progress Requirements

Minimum GPA requirement is 2.0, with a C or better in all the classes that are part of the CO

None

Completion Requirements

A grade of C or better in Sci 165L, 265L, and Biol 152L

Logic: A

- A
 - # Of Credits From these courses: 4
 - SCI 165L - Intro to Science Lab Techniques
 - SCI 265L - Environmental Testing Lab
 - BIOL 152L - Intro Biotech Lab

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