

New Program Code **Modify Program Code**

Date: 11/30/2017

REQUESTOR CONTACT INFORMATION

Name Susan Kazama Campus Kapi'olani CC
 Title Interim Vice Chancellor for Academic Affairs Email smurata@hawaii.edu
 Office/Dept Academic Affairs Phone 808-734-9159

NEW PROGRAM CODE TO CREATE

Institution KAP - Kapiolani Community College Campus KAP - Kapiolani Community College
 Level UG - Undergraduate Effective Term Fall 2018

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) <u>AP</u>	<u>Arts & Sciences</u>	<input type="checkbox"/> See Banner form STVCOLL
Department	(4) <u>AP</u>	<u>Arts & Sciences</u>	<input type="checkbox"/> See Banner form STVDEPT
Degree/Certificate	(6) <u>ASC</u>	<u>Academic Subject Certificate</u>	<input type="checkbox"/> See Banner form STVDEGC
Major	(4) <u>SUST LBRT</u>	<u>Sustainability Issues Liberal Arts</u>	<input type="checkbox"/> See Banner form STVMAJR
Concentration	(4) <u>SUSI</u>	<u>Sustainability Issues</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: _____

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.

2.0

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

[Empty box for additional comments]

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: 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: AA Liberal Arts
- 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.

<p>Registrar (Print Name)</p> <p><u>Jerilynn Enokawa</u></p> <p><i>Jerilynn Enokawa</i> 12/28/17 Signature Date</p>	<p>Financial Aid Officer (Print Name)</p> <p><u>Jennifer Bradley</u></p> <p><i>Jennifer Bradley</i> 11/2/2018 Signature Date</p>	<p>For Community Colleges, verification of consultation with OVPC Academic Affairs:</p> <p><u>Suzette Robinson</u></p> <p><i>Suzette Robinson</i> 4/4/18 Signature Date</p>
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UNIVERSITY of HAWAII
KAPĪ'OLANI
COMMUNITY COLLEGE

MEMORANDUM

January 2, 2018

TO: Donald Straney
Vice President for Academic Planning & Policy

VIA: Louise Pagotto *Louise Pagotto*
Interim Chancellor, Kapi'olani Community College

FROM: Susan Kazama *Susan Kazama*
Interim Vice Chancellor for Academic Affairs,
Kapi'olani Community College

SUBJECT: Program Code Request for the Academic Subject Certificate in
Sustainability Issues at Kapi'olani Community College

Kapi'olani Community College is submitting a Program Code Request for the Academic Subject Certificate (ASC) in Sustainability Issues, to become effective in fall 2018. The proposed new code for Sustainability Issues will be ASC-LBRT-SUSI

SF | Academic Subject Certificate in Sustainability

Future | Fall 2018 – Indefinite

BANNER CODE FOR PROGRAM
SF

BANNER TITLE FOR PROGRAM
Academic Subject Certificate in Sustainability

CIP CODE FOR PROGRAM

A.) General Catalog Information ('Ike Mo'oha'awina)

A.1) PROGRAM TITLE (PO'O PAPA HANA)
Academic Subject Certificate in Sustainability

A.2) PROGRAM LEVEL TYPE (KŪLANA PAPA HANA)
Certificate

A.3) DEGREE TYPE ('ANO O KE KĒKĒLĒ)
Academic Subject Certificate

A.4) PROGRAM DESCRIPTION FOR CATALOG (HULIKO'A PAPA NO KA MO'OHA'AWINA)
The Academic Subject Certificate in Sustainability is designed to provide an interdisciplinary lens on local and global issues of sustainability, and connect students with an interest in sustainability to appropriate courses and majors. The Sustainability Option (Academic Subject Certificate in Sustainability) also includes a service-learning or independent study option to engage students with real-world solutions in an island context.

A.5) CAREER OPTIONS FOR CATALOG (NĀ KOHO 'OIHANA NO KA MO'OHA'AWINA)
Sustainability careers are an emerging area of Hawaii's workforce, with sustainability-infused career paths in fields like hospitality, culinary arts, entrepreneurship, and climate change management. This certificate provides an introductory lens in general education that helps students discover these emergent career fields.

A.6) CATALOG GRID
• [ASC-SUST] Catalog Grid.docx

A.7) CURRICULUM GRID COMMENTS (MANA'O KŪ PAPA HA'AWINA)
The ASC in Sustainability is an interdisciplinary certificate highlighting sustainability courses in the general education curriculum. The advising sheet may change each semester, depending on courses offered, and should increase over time. AY 2018-2019 ASC Sust Curriculum attachment for Fall 2018 course inventory.

A.8) MISSION STATEMENT (ALA NU'UKIA)
The Academic Subject Certificate in sustainability provides an interdisciplinary lens on local and global issues of sustainability, connecting students with an interest in sustainability to appropriate courses, majors, research, community-based applications, and emerging career fields.

A.9) PROGRAM ACCREDITATION INFORMATION ('IKEPILI HUI 'ĀPONO POLOKALAMU)
No accreditation is required, but note that SF (Sustainability Focused) courses follow criteria from the Association for the Advancement of Sustainability in Higher Education

A.10) APPLICATION PERIOD TO BE LISTED IN THE CATALOG
Applications for the Academic Subject Certificate in Sustainability are on an ongoing basis.

B.) Program Learning Outcomes

B.1) PROGRAM LEARNING OUTCOMES (PAPA HANA KŪLE'A 'LKE)

AA - Liberal Arts - Evaluate one's own ethics and traditions in relation to those of other peoples and embrace the diversity of human experience while actively engaging in local, regional, and other global communities.

LINKED COURSE OUTCOMES

--- None ---

C.) Program Requirements

C.1) PROGRAM ENTRANCE REQUIREMENTS/PREREQUISITES (KOINA KOMO)
None. Students will take an online (free) module that provides an overview of sustainability in Hawaii. (under development)
Please note that the SF Banner Attribute code has just been established, so the rule categories for this section do not yet exist. The Sustainability Committee will work with STAR to establish STAR pathway. The SF attribute code is similar to WI (though not a requirement). It can be assigned at the CRN or course level. In short, students take one required Science course (plus Lab) with an SF focus, and choose 3 courses with SF focus from their general education requirements. A one credit capstone or 60 hours of

service-learning integrates coursework into a research or community engaged project. Please see attached Program Advising Sheet (sample) which will be created each semester based on course offerings and expanding inventory of SF courses.

First Semester

7

Total Credits

- Complete all of the following
 - Complete 1 of the following
 - Earned at least 3 credits from: Courses from -
 - ENG 100 - Composition I (3)
 - IS 161 - Introduction to Creative Thinking (3)
 - PACS 108 - Pacific Worlds: An Introduction to Pacific Islands Studies (3)
 - PHIL 103 - Introduction to Philosophy: Environmental Philosophy (3)
 - Any class section with S-Focused in the title
 - Select any three (3) sustainability focused (S-Focused) courses/classes from the General Education and Diversification Requirements list between first and fourth semesters.
 - Earned at least 3 credits from: Courses from -
 - BIOL 124 - Environment and Ecology (3)
 - BOT 130 - Plants in the Hawaiian Environment (3)
 - Earned at least 1 credits from: Courses from -
 - BIOL 124L - Environment and Ecology Lab (1)
 - BOT 130L - Plants in the Hawaiian Environment Laboratory (1)

Second Semester

3

Total Credits

- Complete 1 of the following
 - Earned at least 3 credits from: Courses from -
 - ECON 130 - Principles of Economics (Microeconomics) (3)
 - Any class section with S-Focused in the title
 - Select any three (3) sustainability focused (S-Focused) courses/classes from the General Education and Diversification Requirements list between first and fourth semesters.

Third Semester

3

Total Credits

- Complete 1 of the following
 - Earned at least 3 credits from: Courses from -
 - ENG 209 - Business and Managerial Writing (3)
 - ENG 272P - Introduction to Literature: Culture and Literature: Landscapes in Literature (3)
 - SSCI 260 - Society and Food (3)
 - Any class section with S-Focused in the title
 - Select any three (3) sustainability focused (S-Focused) courses/classes from the General Education and Diversification Requirements list between first and fourth semesters.

Fourth Semester

1

Total Credits

- Complete all of the following
 - Complete 1 of the following
 - Earned at least 1 credits from: Courses from -
 - SCI 295BL - STEM Research Experience in Biology and/or Marine Biology (1 - 3)
 - SCI 295PS - STEM Research Experience in Physics (1 - 3)
 - SCI 295ES - STEM Research Experience in Environmental Science (1 - 3)
 - SCI 295EN - STEM Research Experience in Engineering (1 - 3)
 - SCI 295EC - STEM Research Experience in Ecology (1 - 3)
 - SCI 295MI - STEM Research Experience in Microbiology and/or Molecular Biology (1 - 3)
 - SCI 295CH - STEM Research Experience in Chemistry (1 - 3)
 - SCI 295BT - STEM Research Experience in Physiology (1 - 3)
 - SCI 295MA - STEM Research Experience in Mathematics (1 - 3)
 - SCI 295PL - STEM Research Experience in Physiology (1 - 3)
 - SCI 295CS - STEM Research Experience in Computer Sciences (1 - 3)
 - Any SCI 295
 - Earned at least 1 credits from: Courses from -
 - HUM 295 - (Alpha) Humanities Research Experience (1 - 3)
 - HUM 295HS - Humanities Research in Hawaiian Studies (1 - 3)
 - Any HUM 295
 - Complete 1 of the following

- Select any three (3) sustainability focused (S-Focused) courses/classes from the General Education and Diversification Requirements list between first and fourth semesters.
- Any class section with S-Focused in the title

Grand Total Credits: 14

C.2) SATISFACTORY PROGRESS REQUIREMENTS (KOINA HOLOMUA KŪPONO)

Minimum GPR of 2.0 and minimum acceptable grade of 1.0 is required for satisfactory progress in the certificate.

- Rule Not Selected

C.3) PROGRAM COMPLETION REQUIREMENTS (KOINA PAPAĀHANA HO'OPAU)

1-3 cr. Independent Capstone Course (SCI 295)

OR

60 hours (3 semesters) completed with Kapi'olani Service & Sustainability Learning

OR

independent project, internship, or other with permission of certificate coordinator

No Rules

C.4) STAR GPS REGISTRATION PRIORITY LIST

- STAR GPS priorities.docx

D.) BOR Information Pre-Fall 2016 ('Ike Pili Papa o NĀ Kahu Kula)

D.1) PROGRAM JUSTIFICATION (HO'ĀPONO PAPAĀHANA)

D.2) PROGRAM MISSION AND OBJECTIVES (PAPAĀHANA ALA NU'UKIA ME KA PAHUHOPU HĀIKI)

D.3) PROGRAM CURRICULUM PLAN (MO'OHA'AWINA)

D.4) PROGRAM TARGET GROUP (NA WAI E KOMO)

D.5) PROGRAM RESOURCES (PONO PAPAĀHANA)

D.6) PROGRAM EFFICIENCY (PAPAĀHANA HOLO PONO)

D.7) PROGRAM EFFECTIVENESS (PAPAĀHANA KŪLE'A)

D.8) ATTACH A BOR SUBMISSION HERE

D.9) ATTACH A MEMO CONFIRMING BOR APPROVAL HERE

E.) New Academic Programs Fall 2016 and Later

E.1) PROGRAM PURPOSE AND OUTCOMES

E.1a) DESCRIBE THE PURPOSE OF THE PROPOSED PROGRAM IN TERMS OF MEETING STUDENT, COMMUNITY OR STATE NEEDS

The Academic Subject Certificate in Sustainability (ASC Sustainability) is a 14 credit introductory certificate designed to give students an overview of sustainability in Hawaii through Sustainability Focused course sections and co-curricular activities. The purpose of the certificate is to help students connect sustainability to a variety of majors. We feel it has potential to attract students, engage them in first-year courses, and retain them through completion of a proximal goal (the ASC). The target population is early college and first year students taking general education courses.

E.1b) IDENTIFY THE PROGRAM OUTCOMES, WHAT THE STUDENT WILL KNOW AND BE ABLE TO DO AT THE COMPLETION OF THE PROGRAM.

Students will develop knowledge, values, and behaviors related to sustainability in an island context, including one or more of the following learning outcomes:

- 1) Define sustainability on local, national, and international levels.
- 2) Identify the personal values and attitudes that can facilitate sustainable living.
- 3) Describe how the individual relates to the wider issues of sustainability.
- 4) Measure one's impact on the triple bottom line: People, Planet, Profit.

- 5) Identify the sociocultural values and attitudes that facilitate sustainable living at the local, regional and global levels.
- 6) Apply concepts of sustainability to local, regional and/or global challenges.
- 7) Demonstrate how concepts of sustainability are connected to local, regional and global issues.
- 8) Describe how traditional and indigenous perspectives inform practices of sustainability.

E.1c) DESCRIBE THE FIT OF THE PROPOSED PROGRAM WITH SYSTEM/CAMPUS MISSION AND STATE NEED.

See

EP 4.202 Executive Policy on Sustainability

Kapi'olani Strategic Plan II Hawaii Innovation Initiative: Productive Futures for Students, Faculty, and Staff

Kapi'olani Sustainability & Climate Action Plan

E.2) PROGRAM ORGANIZATION

E.2a) PROVIDES A DESCRIPTION OF CURRICULUM ORGANIZATION, TOTAL CREDITS TO COMPLETE THE PROGRAM INCLUDING ALL PREREQUISITE REQUIREMENTS, ADMISSION POLICIES, ADVISING, AND OTHER ASPECTS OF THE PROGRAM, WITH REFERENCE TO ITS GOALS/OUTCOMES.

see AY 2018-2019 Sust Curriculum (sample advising sheet). Total credits: minimum 14

E.2b) INCLUDES AN ACADEMIC MAP FOR CERTIFICATE OF ACHIEVEMENT, ASSOCIATE AND BACHELOR DEGREES THAT DEMONSTRATES ON TIME COMPLETION.

see AY 2018-2019 Sust Curriculum (sample advising sheet). The ASC can be completed within existing general education requirements.

E.2c) PROVIDES JUSTIFICATION FOR A PROGRAM THAT IS MORE THAN 30 CREDITS FOR A CERTIFICATE OF ACHIEVEMENT OR 60 CREDITS FOR AN ASSOCIATE DEGREE OR 120 CREDITS FOR A BACHELOR'S DEGREE.

E.2d) DESCRIBES PROVISIONS FOR ARTICULATION WITH UH COMMUNITY COLLEGE DEGREES FOR BACHELOR'S DEGREES.

The Sustainability Focused courses that comprise the ASC in Sustainability are designed to articulate with similar certificates emerging at other UHCCs, UHM, UHMC, UHH, and UHWO.

E.3) STUDENT DEMAND

E.3a) DESCRIBES THE PROFILE OF STUDENTS WHO WILL LIKELY ENROLL IN THE PROGRAM AND INCLUDES A DISCUSSION ON THE LIKELIHOOD OF THE PROGRAM ATTRACTING NEW STUDENTS TO THE CAMPUS OR EXISTING STUDENTS.

The ASC will attract students interested in sustainability and help them complete their general education requirements towards completion (AA or Transfer.) From the UHOS Annual Report : "Arizona State University made a strategic decision to place sustainability at the core of its programming over 10 years ago, and today its School of Sustainability enjoys its highest retention numbers (91% Fall to Fall reenrollment.)" The ASC will highlight curriculum relevant to current sustainability challenges faced in Hawaii and globally.

E.3b) PROVIDES EVIDENCE OF STUDENT INTEREST (I.E. NEEDS ASSESSMENT).

The UH Office of Sustainability Annual Report 2016-2017 cites a survey of 194 UH students: More than 50% feel that the university does not currently offer enough sustainability courses, 97% believe that Sustainability should be incorporated into more current and future courses at UH Mānoa, and 92% indicated that they would take a Sustainability -focused course, and 73% believe that UH Mānoa should offer a BA in Sustainability. Similar student interest exists at Kapi'olani.

E.3c) INCLUDES AN ESTIMATE NUMBER OF MAJORS PER YEAR WITH AN EXPLANATION ON HOW THIS NUMBER WAS DETERMINED.

Based on current inventory of SF courses, 250 students per semester could be taking SF courses eligible for the Academic Subject Certificate. 25 students could complete the certificate each academic year, as a starting goal.

E.4) PROGRAM RESOURCES AND EFFICIENCY

E.4a) DESCRIBE RESOURCES REQUIRED FOR PROGRAM IMPLEMENTATION AND FIRST CYCLE OPERATION.

3 credits reassigned time for one faculty coordinator as described in Kapi'olani Sustainability & Climate Action Plan

E.4b) DESCRIBE THE EXPECTED SOURCES OF FUNDS, INCLUDING SOURCES OF REALLOCATED FUNDS.

Chancellor's budget has been suggested as source of funds.

UH system office has been suggested as source of funds.

E.4c) COMPARE ANTICIPATED COST PER SSH, COST PER MAJOR, SSH/FACULTY, AVERAGE CLASS SIZE OR OTHER QUANTITATIVE MEASURE WITH OTHER PROGRAMS IN THE COLLEGE AND SIMILAR PROGRAMS ON OTHER UH CAMPUSES.

Cost is minimal for expected interest, enrollment, and retention gains.

E.4d) LIST SIMILAR PROGRAMS AT OTHER UH CAMPUSES AND DESCRIBE HOW THE PROPOSED PROGRAM DIFFERS OR IS SIMILAR TO THESE PROGRAMS. PROVIDE THE RATIONALE FOR THE NEW PROGRAM IF A SIMILAR PROGRAM OR PROGRAMS EXIST.

Windward CC, Kauai CC, and Hawaii CC are expected to submit similar ASC in Sustainability proposals this academic year.

Each community college has committee infrastructure to designate Sustainability Focused courses using common criteria.

E.5a) DESCRIBE THE PLAN FOR ASSESSING THE QUALITY OF STUDENT LEARNING.

Instructors teaching Sustainability Focused courses report on course design and assignments to the Faculty Senate Sustainability Committee, which manages the SF designation.

The Student Assessment of Learning Gains (SALG) has been piloted for program-level assessment of sustainability learning outcomes. Sustainability Learning Outcomes are identified at the course and program level.

E.5b) IDENTIFY RELEVANT PROGRAM ACCREDITATION AND PLANS TO MEET ACCREDITATION REQUIREMENTS.

n/a

E.6) ATTACH A COMPLETED DOCUMENT WITH ALL OF THE INFORMATION FROM 1-5 ABOVE. NOTE THAT THE PAGE LIMIT IS 15 PAGES.

- Kapitolani ASC Sustainability.docx

F. Attachments (Pāku'ina)

F.1) ATTACH MEMO OR OTHER DOCUMENT(S) FROM ACCREDITING BODY HERE (IF APPLICABLE).

F.2) ATTACH MISCELLANEOUS DOCUMENT(S) HERE.

G.) Academic Affairs

G.1) INITIAL CODE REQUEST TO IRAO

G.2) COPY OF THE MEMO FROM THE CHANCELLOR TO THE THE UH SYSTEM VPAA

G.3) PREVIOUS VERSIONS OF THE PROGRAM

H.) Instructions

A.6

ACADEMIC SUBJECT CERTIFICATE CURRICULUM, SUSTAINABILITY (14 CREDITS)		• = Suggested Semester				
Course	Title	Credits	1	2	3	4
General Education and Diversification Requirements (9 credits)						
Select any three (3) sustainability focused courses from the following list. Please note that available class sections (CRNs) may vary from semester to semester. You must ensure that you register for a class section that has S-Focused (for Sustainability Focused) in the title listed in class availability. Class section titles without S-Focused do not fulfill the requirements for the Academic Subject Certificate (ASC) in Sustainability.						
ECON 130	Principles of Economics (Microeconomics) (S-Focused)	3		•		
ENG 100	Composition I (S-Focused)	3	•			
ENG 209 (WI)	WI - Business and Managerial Writing (S-Focused)	3			•	
ENG 272P (WI)	WI - Literature and Culture: Landscapes in Literature (S-Focused)	3			•	
IS 161	Introduction to Creative Thinking (S-Focused)	3	•			
PACS 108	Pacific Worlds: An Introduction to Pacific Islands Studies (S-Focused)	3	•			
PHIL 103	Introduction to Philosophy: Environmental Philosophy (S-Focused)	3	•			
SSCI 260	Society and Food (S-Focused)	3			•	
	Any class section with S-Focused in the title	3	•	•	•	•
Required Science Courses in Sustainability (4 credits)						
A minimum of one (1) sustainability focused 3 credit science course is required. The corresponding numbered science lab section is recommended, but you could also select any Sustainability Focused (S-Focused) lab section (1 credit).						
BIOL 124 or BOT 130	Environment and Ecology (S-Focused) Plants in the Hawaiian Environment (S-Focused)	3	•			
BIOL 124L or BOT 130L or any S-Focused science lab	Environment and Ecology Lab (S-Focused) Plants in the Hawaiian Environment Lab (S-Focused)	1	•			
Sustainability Capstone/Independent Research Course (1 credit)						
A sustainability capstone course is required.						
SCI 295 (Any Alpha)	STEM Research Experience (S-Focused) (Independent Research)	1				•
HUM 295 (Any Alpha)	Humanities Research Experience (S-Focused) (Independent Research)	1				•
TOTAL		14				
<i>The issuance of an Academic Subject Certificate requires that the student must earn a grade of "C" or higher for all courses required in the certificate. Please note: When completing the ASC along with an Associate in</i>						

Arts (AA) degree in Liberal Arts, students must complete two writing intensive (WI) courses, and must also complete one Hawaiian, Asian and Pacific Issues (HAP) course to meet the AA requirements.

Students participating in the ASC in Sustainability will complete a co-curricular orientation module: Introduction to Sustainability in Hawai'i.

Students who have successfully completed one or more Sustainability Focused class sections at Kapi'olani Community College (beginning 2014) may petition for the back credit to be applied to the ASC in Sustainability.

C.4

STAR GPS priority

First semester

BIOL 124 -SF

BIOL 124L -SF

Or

BOT 130 - SF

BOT 130L - SF

And

ENG 100 - SF

or

IS 151 - SF

or

PACS 108 - SF

SECOND SEMESTER

ECON 130 - SF

THIRD SEMESTER

ENG 272P

or

ENG 209

or

SSCI 260

FOURTH SEMESTER

1 cr SCI 295

or

1 cr HUM 295

E.6

**Kapi'olani Sustainability Option Program –
Academic Subject Certificate in Sustainability
Proposed in KCSM Sept 15, 2017 for Fall 2018 availability
(updated 11-28-2017)**

Proposal authors: Hiser, Kuntz, Torres, Nathan

The Academic Subject Certificate in Sustainability (ASC Sustainability) is a 14 credit introductory certificate designed to give students an overview of sustainability in Hawaii through Sustainability Focused course sections and co-curricular activities. The purpose of the certificate is to help students connect sustainability to a variety of majors. We feel it has potential to attract students, engage them in first-year courses, and retain them through completion of a proximal goal (the ASC). The target population is early college and first year students taking general education courses.

The ASC Sustainability is being proposed on each campus, with common criteria for Sustainability Focused (SF) courses, which can be tracked in Banner. SF courses on one campus may be counted towards the ASC on another campus. Campus certificates will be parallel in structure and scope, while utilizing faculty strengths on each campus through available SF courses. The certificate program is administered through the UH System Office of Sustainability, with Liaison faculty on each participating campus. Kapi'olani CC is the first to submit the ASC Sustainability.

A 3 credit reassignment (approx. \$3,000) is requested in the Kapi'olani Sustainability and Climate Action plan to oversee, advertise, and administer the certificate at Kap CC. This adviser will recruit and advise students in the certificate, and sign off on capstone projects. The sustainability committee (a standing committee of the faculty senate) is responsible for reviewing courses for the SF designation. The committee also tracks "sustainability related" courses, which do not count towards the certificate but are tracked internally.

The 14 credit certificate will consist of the following:

- an online orientation module "Introduction to Sustainability in Hawaii" (not for credit, free, under development)
- a REQUIRED Sustainability Focused science course, accompanied by lab (4 cr).
- three Sustainability Focused sections of general education courses (9cr). * note, since SF is often by CRN, course advising sheet will change each semester. See attached Sample Advising Sheet for Fall 2018. SF course inventory will increase each semester.
- a sustainability "capstone" signed off by the UHOS or campus liaison adviser. This may be met by:
 - 1 credit independent service/study/research option (SCI 295, HUM 295)
 - 60 hours of service-learning or
 - other internship or independent project, by approval

This proposal was reviewed at various stages by chair or personnel from LLL, A&H, Math / Sci and Social Sciences, as well as chancellor, VCAA, and the curriculum committee chair. It was developed over several years by the sustainability committee, with dialogue across all campuses. The certificate is supported by the UH Office of sustainability and the System Sustainability Curriculum Coordinators Council as authorized by EP 4.202.

Policy & Planning

The ASC Sustainability is clearly aligned with campus plans, strategic planning, and mission, as well as system priorities as described in EP 4.202.

EP 4.202 states goals related to curriculum

The University will encourage, facilitate and support curriculum development that advances the principles of sustainability and enables cross-campus collaborations that integrate teaching and research with solutions at the campus and community levels.

Specific goals include:

1. The development of appropriate new courses and programs related to sustainability that articulate across campuses.
2. The integration of sustainability principles into existing curricula where appropriate.
3. The development of campus and community based sites for laboratory or field-based learning related to sustainability, including engagement by students in the University's operational improvements in sustainability.
4. The incorporation of sustainability practices and learning into student life and other co-curricular activities.
5. The development of professional development opportunities for faculty and students related to curriculum development and delivery in sustainability.

The Kapi'olani Strategic Plan states, under outcome II Hawai'i Innovation Initiative: Productive Futures of Students, Faculty, and Staff, that the college will:

F)* Increase the number of sustainability designated course sections from 27 to 60 and develop "Pathways to UH 4-year Campuses." (note, this quantitative goal includes both Sustainability Focused and Sustainability Related courses.)

The ASC Sustainability is a Pathway to UH 4 year programs including UH Manoa, as well as the Sustainability Science Management program at UH Maui College, and the BAS in Sustainable Community Food Systems (SCFS) at UHWO.

The college mission states:

Kapi'olani Community College provides open access to higher education opportunities in pursuit of academic, career, and lifelong learning goals to the diverse communities of Hawai'i. Committed to student success through engagement, learning, and achievement, we offer high quality certificates and associate degrees, and transfer pathways that prepare indigenous, local, national, and international students for their productive futures.

Lastly, the Kapi'olani Sustainability & Climate Action Plan goal states:

GOAL2: Curriculum:

Transform curriculum using S Designation, active pedagogies, interdisciplinary course design, new courses, and certificates, and specifically, action item #11 states:

Develop Academic Certificate(s) in Sustainability

(including multiple transfer pathways, outreach courses, and innovative programs and curriculum using Hawaiian language, culture, and values to foster a sense of kuleana (responsibility) to the 'āina that is grounded in ancestral knowledge.)

Suggested Catalog Language:

Kapi'olani CC participates in a System-wide undergraduate Sustainability Option program. This program is designed to provide an interdisciplinary lens on local and global issues of sustainability, and connect students with an interest in sustainability to appropriate courses and majors. The Sustainability Option (Academic Subject Certificate in Sustainability) also includes a service-learning or independent study option to connect students with real-world solutions in an island context.

This is an interdisciplinary certificate initially focused on general education courses, although CTE courses could participate in the future. Currently, the certificate has a required science course, and electives from other departments. Math/Science, Arts & Humanities, Language Linguistics and Literature, and Social Sciences are currently offering SF courses in the certificate. The certificate is not necessarily housed in any one department, as an Interdisciplinary Studies certificate; however the curriculum proposal was submitted through Math/Sciences.

The certificate could also be housed through Kapi'olani Service & Sustainability Learning.

Sustainability Focused courses are asked to include one sustainability learning outcome in addition to regular course learning outcomes. These include (but are not limited to):

- 1) Define sustainability on local, national, and international levels.
- 2) Identify the personal values and attitudes that can facilitate sustainable living.

- 3) Describe how the individual relates to the wider issues of sustainability.
- 4) Measure one's impact on the triple bottom line: People, Planet, Profit.
- 5) Identify the sociocultural values and attitudes that facilitate sustainable living at the local, regional and global levels.
- 6) Apply concepts of sustainability to local, regional and/or global challenges.
- 7) Demonstrate how concepts of sustainability are connected to local, regional and global issues.
- 8) Describe how traditional and indigenous perspectives inform practices of sustainability.

A program learning outcome assessing the development of knowledge, values, and behaviors related to sustainability in an island context will be assessed as an exit survey for students completing the certificate. This assessment will use the Student Assessment of Learning Gains (SALG) to assess progress on the above learning outcomes, as well as core concepts and values of sustainability as outlined in the SF criteria.