

New Program Code Replace Program Code

Date: 10/29/2021

REQUESTOR CONTACT INFORMATION

Name Debie Amby Campus _____
 Title Banner/Curriculum Specialist Email debie@hawaii.edu
 Office/Dept Dean's Office Phone 808-984-3378

NEW PROGRAM CODE TO CREATE

Institution UH Maui College Campus UH Maui College
 Level Undergraduate Effective Term Fall 2021

	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>STEM</u>	<u>Science Tech</u>	<input type="checkbox"/> See Banner form STVDEPT
Degree/Certificate	(6) <u>BAS</u>	<u>Bachelor of Applied Science</u>	<input type="checkbox"/> See Banner form STVDEGC
Major	(4) <u>SSM</u>	<u>Sustainable Science Management</u>	<input type="checkbox"/> See Banner form STVMAJR
Concentration	(4) <u>MARS MARE</u>	<u>Marine Studies</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:

A new concentration to the BAS-SSM program has been approved.

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.

4.0

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

EXISTING PROGRAM CODE TO REPLACE, IF APPLICABLE

Program Code _____	Program Description _____
Institution _____	Campus _____
College _____	Department _____
Level _____	

Are current students "grandfathered" under the program code? Yes No

Should the old program code be available for use in Banner? Yes No

Effective , old program code will no longer be available to admit or recruit students.
Term (ie. Fall 2020)

This will turn off the online application, recruitment (effects Banner forms SRASUMI and SRAQUIK) and admissions (effects Banner forms SAADCRV, SAAADMS, SAASUMI, SAAQUIK, and SAAQUAN) Banner modules.

Effective , old program code will no longer be available to award degree to students.
Term (ie. Fall 2020)

This will turn off the general student (effects Banner form SGASTDN) and academic history (effects Banner form SHADEGR) Banner modules.

ATTACHMENTS

BOR Approved: Sole-credential Certificate, Associate, 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: _____

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>Flora Mora</p> <p> 11/15/21</p> <p>Signature Date</p>	<p>Financial Aid Officer (Print Name)</p> <p>Davileigh Naeole</p> <p> 11/18/21</p> <p>Signature Date</p>	<p>For Community Colleges, verification of consultation with OVPC Academic Affairs:</p> <p>Tammi Oyadomari-Chun</p> <p> 1/24/2022</p> <p>Signature Date Della Teraoka, Int Dir of Acad Progs</p>
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ADDITIONAL COMMENTS



UNIVERSITY of HAWAII®
MAUI COLLEGE

November 23, 2021


MEMORANDUM


TO: David Lassner
Vice President for Academic Strategy

VIA: Debora Halbert
Associate Vice President for Academic Programs and Policy

VIA: Erika Lacro
Vice President for Community Colleges

VIA: Tammi Oyadomari-Chun
Interim Associate Vice President for Academic Affairs

VIA: Laura Nagle
Dean of Career & Technical Education 

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.

NEW PROGRAM CODES: Effective Term Fall 2021

BAS-SSM-MARS (Sustainable Science Management – Marine Studies Concentration)
AAS-CTEC-BUCO (Construction Technology – Building and Construction Concentration)
AAS-CTEC-FMEC (Construction Technology – Facilities Mechanical Concentration)
AAS-CTEC-FMGT (Construction Technology – Facilities Management Concentration)

If you have any questions or concerns, please contact me at 808-984-3636 or lhokoana@hawaii.edu. Thank you for your assistance.

Attachments

1. Code Request Form for Academic Programs-BAS-SSM-MARS Marine Science
2. Code Request Form for Academic Programs-AAS-CTEC-BUCO Building and Construction
3. Code Request Form for Academic Programs-AAS-CTEC-FMEC Facilities Mechanical
4. Code Request Form for Academic Programs-AAS-CTEC-FMGT Facilities Management

c: Pearl Iboshi, Director of IRAO
Debra Nakama, Vice Chancellor of Student Affairs
Kahele Dukelow, Dean of Arts & Sciences
Kulamanu Ishihara, Faculty Coordinator

BAS SSM SSM Marine Studies Concentration

Approved | Fall 2021

Proposal Information

Workflow Status

Proposer

- ✓ **Meagan Jones (Submitter)**
Submitted 11-27-2020
- ✓ **Timothy Botkin (Shared)**
- ✓ **Elisabeth Dubuit (Shared)**
- ✓ **Meagan Jones**
Submitted 11-28-2020

Corrected Box A

- ✓ **Meagan Jones**
Submitted 12-6-2020

This version includes changes made by me and Kulamanu I didn't move 392v to required since it has to be taken with a marine studies focus to be considered (which is an option) but we can change if we have to do so

DEPARTMENT (STEM) \ \ Curriculum Department Representative

- ✓ **Elisabeth Dubuit**
Approved 12-6-2020

DEPARTMENT (STEM) \ \ Department Chair

- ✓ **Sean Calder**
Approved 12-6-2020

(CURRICULUM COMMITTEE CHAIRS) \ \ CHAIRS

- ✓ **Timothy Marmack**
Approved 12-31-2020
- ✓ **Lorelle A S Peros**
Approved 3-7-2021

(ACADEMIC SENATE) \ \ SENATE CHAIR

- ✓ **Rosemary Vierra**
Approved 3-8-2021

(ADMINISTRATION) \ \ VCAA

- ✓ **Kaheleonolani Dukelow**
Approved 6-30-2021
- ✓ **Laura Nagle**
Approved 6-2-2021

(ADMINISTRATION) \ \ CHANCELLOR

- ✓ **Lui Hokoana**
Approved 6-30-2021

Code
BAS SSM

Title
SSM Marine Studies Concentration

Proposal Details

Type of Proposal
Modification

Proposer Name(s)
Meagan Jones

Internal Proposal Date
03/23/2020

Proposal Summary

We are proposing that a student may earn a Concentration in Marine Studies as an addition to their BAS SSM diploma by directing their opportunities to a path specifying additional courses in that field, as well as the ones already included in the SSM BAS degree requirements. Embedded in the SSM BAS degree requirements are a variety of courses in different fields which support and lend themselves to sustainability science application. There are also up to four (4) upper division electives which a student may direct in a manner of their choosing. Thus, a student may gain the Marine Studies concentration by meeting the requirements below in addition to those set forth for the SSM BAS.

Course(s)

All of the required and elective courses embedded within the concentration are already included in the current UHMC catalog.

Required Courses (15 credits):

OCN 201/201L (Science of the Sea/Science of the Sea Lab); ZOOL 200/200L (Marine Biology/Marine Biology Lab); BIOL 331/331L (Biology of Marine Mammals/Biology of Marine Mammals Lab); SSM 384 (Sustaining the Globalized Ocean);

Electives (6 credits minimum):

SSM 392v* (SSM Internship); BIOL 424/424L* (Protected Species Management/Protected Species Management Lab); OCN 351/351L (Coastal Methods and Analysis/Coastal Methods and Analysis Lab); AQUA 362/362L (Aquaculture and Mariculture/Aquaculture and Mariculture Lab); AQUA 466/466L (Fisheries Science/Fisheries Science Lab). Other 300+ marine studies electives may be approved by the Concentration Coordinator.

* A marine studies focus is required for students pursuing a concentration in marine studies.

Proposal Rationale/Justification

Embedded in the SSM BAS degree requirements are a variety of courses in different fields which support and lend themselves to sustainability science application. Here, we are proposing that a student may earn a Concentration in Marine Studies as an addition on their diploma by directing their elective opportunities to a path focused on marine studies, as well as the ones already included in the SSM BAS degree requirements. A student may gain a Marine Studies concentration by directing 21 credits (8 lower division credits and 13 upper division credits) toward classes focused on marine studies. All of the required and elective courses embedded within the concentration are already included in the current UHMC catalog.

Proposal Supporting Documents**Other Departments Involved**

no

Have other departments been consulted?**Proposal Impact(s) - Articulation**

no

Proposal Impact(s) - Requirements

no

Proposal Impact(s) - Resources

There is no resource impact from these changes. A student may receive the proposed concentration by taking courses already offered at UHMC by current faculty. However, some upper division electives currently listed in the UHMC catalog may require lecturers if offered (e.g., OCN 351/351L, AQUA 362/362L, or AQUA 466/466L). No additional funds are anticipated.

Department Vote

19 yes, 0 no, 0 abstained March 13, 2020 Meeting

Proposer Notes**General Information****Program Title**

Sustainable Science Management

Program Level Type

Bachelor

Degree Type

Bachelor of Science

Catalog Description

The Sustainable Science Management (SSM) program, leading to a baccalaureate degree, provides a variety of options to students seeking employment in the rapidly expanding field of sustainability. Coursework covers important contemporary topics including but not limited to energy, ecology, business and management, natural science, water and wastewater, agriculture, waste-management, economics, policy, the built environment, and social science; all in the context of case studies in the larger interdisciplinary field of sustainability. Students develop systems thinking and analytical skills, which will enable graduates to apply learned principles to the changing and complex issues of the future. The program is designed to equip students with the fundamental skills necessary to bridge disciplines and to facilitate sustainable solutions and operations for any organization or community. Embedded in the SSM BAS degree requirements are a variety of courses in different fields which support and lend themselves to sustainability science application. There are also up to four (4) upper division electives which a student may direct in a manner of their choosing. Contact the program coordinator, Tim Botkin, at 984-3322 or by email at botkin@hawaii.edu for more information.

MARINE STUDIES CONCENTRATION: A student may gain the Marine Studies concentration by meeting the following requirements:

Required Courses (15 credits): OCN 201/201L (Science of the Sea/Science of the Sea Lab); ZOOL 200/200L (Marine Biology/Marine Biology Lab); BIOL 331/331L (Biology of Marine Mammals/Biology of Marine Mammals Lab); SSM 384 (Sustaining the Globalized Ocean);

Electives (6 credits minimum): SSM 392v* (SSM Internship); BIOL 424/424L* (Protected Species Management/Protected Species Management Lab); OCN 351/351L (Coastal Methods and Analysis/Coastal Methods and Analysis Lab); AQUA 362/362L (Aquaculture and Mariculture/Aquaculture and Mariculture Lab); AQUA 466/466L (Fisheries Science/Fisheries Science Lab). Other 300+ marine studies electives may be approved by the Concentration Coordinator.

* A marine studies focus is required for students pursuing a concentration in marine studies. Contact the concentration coordinator, Dr. Meagan Jones at meaganj@hawaii.edu for more information.

College**Division****Department**

STEM

Learning Outcomes

Outcomes

1. Demonstrate understanding of the function, inter-relationships and limits of human and natural systems as pertains to energy, waste, water use, food, transportation and/or other human activities, particularly as applied to island settings.

SLO 1

Linked Institution Outcomes

-- No options selected --

LINKED COURSE OUTCOMES

--- None ---

2. Make effective use of systems thinking/dynamics skills to achieve comprehensive and durable solutions for a broad range and scale of organizational problems.

SLO 2

Linked Institution Outcomes

-- No options selected --

LINKED COURSE OUTCOMES

--- None ---

3. Explain the contemporary context and state of technological, economic, ethical and legal infrastructure as relates to the study and/or application of sustainability in the workplace and community.

SLO 3

Linked Institution Outcomes

-- No options selected --

LINKED COURSE OUTCOMES

--- None ---

4. Assess the feasibility of sustainability proposals using conventional measures such as simple payback, return on investment, and life cycle assessment; as well as emerging measures such as ecosystem approaches, sustainability indicators, advanced economic theories and hybrid models.

SLO 4

Linked Institution Outcomes

-- No options selected --

LINKED COURSE OUTCOMES

--- None ---

5. Identify and articulate points of alignment between traditional Native Hawaiian values and sustainability goals as a means of pursuing best island practices.

SLO 5

Linked Institution Outcomes

-- No options selected --

LINKED COURSE OUTCOMES

--- None ---

6. Apply learned skills and refine academic knowledge pertinent to real world situations through transdisciplinary engagement with communities, organizations and businesses.

SLO 6

Linked Institution Outcomes

-- No options selected --

LINKED COURSE OUTCOMES

--- None ---

Program Requirements

Entrance Requirements

Logic: A and B and D and C and E and F and G

A Admission Requirements

- Meet the UH Maui College admission requirements.
- And ENG 100 with grade C or better.
- And MATH 103 with grade C or better or placement at MATH 135 or above.
- And completed these courses:
 - ICS 101 - Digitl Tools for Info Wrld

AND

B Lower Division Requirements

- Prior to enrolling in upper division (300+ level) SSM courses, students should first complete lower division requirements that may be accomplished in a number of ways.

AND

D New Students - Base Program Path

- Students starting at UH Maui College follow the SSM Program Map. While this path is unique to the SSM program, it also meets the requirements of Liberal Arts AA degree pathway.

AND

C Transfer and Other Non-New Students

- MATH 115 and MATH 135 or higher; both with grade C or better;
- And College chemistry with lab (minimum 4 credits) with grade C or better;
- And College biology with lab (minimum 4 credits) with grade C or better;
- And SSM 275 or equivalent with grade C or better;
- And SSM 201, or OCN 201/201L either with grade C or better;
- And SSM 101 and 202, both with grade C or better.
- And Minimum 62 credits in 100+ level coursework.

AND

E UHMC degree graduates

- Students who have graduated with a UHMC two-year degree and have applied as an SSM major, may take one SSM upper division course per semester for up to three semesters, as long as enrolled in coursework shown above under "Transfer and Non-New Students."

AND

F Other degree graduates

- All of the following
 - Cumulative GPA of 2.5 or higher in their degree work.
 - And At least 40 hours of transferrable credit.
 - And Met the above requirements in order to take upper division coursework in the SSM program.

AND

G Non-degree students (Students who have completed 62 or more credits of 100+ coursework at an accredited institution may apply to take SSM upper division coursework.)

- Substantially met the SSM lower division requirements set forth in the SSM Program Map.
- And Achieved grade C or better in all SSM program requirements.
- And Earned cumulative 2.5 GPA on all transferring credits.
- And Met all "Transfer & Other Non-New students "requirements.

Satisfactory Progress Requirements

Students must earn a grade of C, or better, for all courses applied to completion of the degree. A cumulative GPA of 2.5 is required for all SSM program requirements.

Error: Invalid: Missing Operands

Completion Requirements

Logic: P and A and B and C and D and E and F and G and H and I and J and K and L and M and N and O and R and S and T and U and V and W and X and Y

P Graduation Requirements

- Meet all lower division requirements in the SSM Program Map.
- And Complete all required upper division coursework on the SSM Program Map.
- And Earn grade C or better in each required course.
- And Earn a cumulative GPA of 2.5 for all SSM program requirements.
- And Upper division electives may be any SSM upper division course, or other 300-level or higher course as approved by the program coordinator.
- And Not less than 6 credits of upper division elective credits must be 400+ level courses.
- And A minimum of 30 credits shall be taken at UHMC.
- And Complete six credits of capstone courses (SSM 495-496) over not less than two semesters with grade C or better.
- And Complete not less than 15 credits of writing intensive (WI) courses with grade C or better and at least 6 credits shall be in courses of 300-level or higher.
- And All SSM alpha required courses, except SSM 392v, must be taken for a letter grade.
- And A maximum of 6 credits in other coursework may be achieved via Prior Learning Assessment.
- And Complete not less than 124 credit hours of coursework in support of the BAS degree.
- And Only courses numbered 100 and above may apply to this degree requirement.
- And Submission of a completed Application for Graduation from UHMC.

AND

- A Lower Division Core Requirements: 12-13 credits
 - # Of Credits From these courses: 9
 - SSM 101 - Intro Sci of Sustainability
 - SSM 202 - Sustainable Isle Comty
 - SSM 275 - Basic Energy Productn
 - And any of the following
 - # Of Credits From these courses: 4
 - OCN 201 - Science of Sea
 - OCN 201L - Science of Sea Lab
 - Or # Of Credits From these courses: 3
 - SSM 201 - Sustainable Bldg Design
- AND
- B Lower Division Math Requirement: 9 credits
 - All of the following
 - # Of Credits From these courses: 6
 - MATH 115 - Intro Stats & Probability
 - MATH 135 - Precalc: Elementary Func
 - And # Of Credits From these courses: 3
 - BLAW 200 - Legal Environmt Business
 - MATH 241 - Calculus I
- AND
- C Lower Division English Requirement 6 credits
 - # Of Credits From these courses: 3
 - ENG 100 - Composition I
 - And all of the following
 - # Of Credits From these courses: 3
 - ENG 210 - Research Writing
 - ENG 225 - Writing for Sc. & Tech
- AND
- D Lower Division Communications Requirement: 3 credits
 - # Of Credits From these courses: 3
 - COM 215 - Conflict Resolution
 - PSY 253 - Conflict Resolve
- AND
- E Lower Division Humanities Requirement: 3 credits
 - # Of Credits From these courses: 3
 - HWST 107 - Hawaii: Center of the Pacific
 - HIST 284 - History Hawaiian Isles
- AND
- F Lower Division Social Science Requirement: 3 credits
 - # Of Credits From these courses: 3
 - PSY 100 - Survey of Psychology
- AND
- G Lower Division Natural Science Requirement: 16 credits
 - # Of Credits From these courses: 8
 - BIOL 171 - Introductory Biology
 - BIOL 171L - Intro Biology Lab
 - ZOOL 200 - Marine Biology
 - ZOOL 200L - Marine Biology Lab
 - And any of the following
 - # Of Credits From these courses: 4
 - CHEM 151 - Elem Survey Chemistry
 - CHEM 151L - Elementary Survey of Chemistry Lab
 - Or # Of Credits From these courses: 4
 - CHEM 161 - General Chemistry I
 - CHEM 161L - General Chemistry Lab I
 - And any of the following
 - # Of Credits From these courses: 4
 - CHEM 162 - Gen Chemistry II
 - CHEM 162L - Gen Chem Lab II
 - Or # Of Credits From these courses: 4
 - GIS 150 - Intro to GIS & GPS
- AND
- H Lower Division Additional Requirements: 12 credits
 - All of the following
 - # Of Credits From these courses: 3
 - ICS 101 - Digitl Tools for Info Wrld
 - And # Of Credits From these courses: 3
 - ECON 130 - Princ Econ Micro
 - ECON 131 - Princ Econ Macro
 - And # Of Credits From these course sets: 3 GLOBAL MULTICULTURAL PERSPECTIVES (FGA), GLOBAL MULTICULTURAL PERSPECTIVES (FGC)
 - And # Of Credits From these courses: 3
 - ACC 201 - Financial Accounting
- AND

- I Upper Division Core Requirements:
- # Of Credits From these courses: 30
 - SSM 301 - Sustainable Organizations
 - SSM 302 - Environmental Health
 - SSM 375 - Renew Engy Conversions
 - SSM 392V - SSM Internship
 - SSM 401 - Envirn Law-Policy- Justice
 - SSM 402 - Water Resources Mgt
 - SSM 422 - Sustain System Thinking
 - SSM 384 - Sustaining the Globalized Ocean
 - SSM 495 - SSM Capstone I
 - SSM 496 - SSM Capstone II
 - And any of the following
 - # Of Credits From these courses: 3
 - SSM 403 - Renewable Energy Integration
 - Or # Of Credits From these courses: 3
 - BIOL 424 - Protected Species Mgt
 - BIOL 424L - Protected Species Mgt Lab
- J Upper Division English Requirement: 3 credits
- # Of Credits From these courses: 3
 - ENG 316 - Adv Research Writing
- K Upper Division Communication Requirement: 3 credits
- # Of Credits From these courses: 3
 - COM 459 - Intercultural Comun II
- L Upper Division Humanities Requirement: 6 credits
- # Of Credits From these courses: 3
 - HUM 400 - Changes & Choices
 - And # Of Credits From these courses: 3
 - PHIL 301 - Ethical Theory
 - PHIL 323 - Professional Ethics
- M Upper Division Natural Science Requirement: 4 credits
- # Of Credits From these courses: 4
 - BIOL 331 - Marine Mammal Biol
 - BIOL 331L - Marine Mammal Lab
- N Upper Division Other Requirements: 3 credits
- # Of Credits From these courses: 3
 - MGT 310 - Princ of Management
 - MGT 322 - Org Leadership
- O Upper Division Program Electives: 9 credits
- # Of Credits From these types of courses: 9 Upper division electives include any SSM course not already required, SSM topics courses, or other 300+ level course as approved by Program Coordinator. For a student wishing to add a concentration to their degree, a student shall choose a minimum of 6 credits from the concentration field and as approved by the concentration coordinator.
- R Freshman Year (Fall): 16 credits
- All of the following
 - # Of Credits From these courses: 9
 - SSM 101 - Intro Sci of Sustainability
 - PSY 100 - Survey of Psychology
 - ENG 100 - Composition I
 - And # Of Credits From these courses: 3
 - ICS 101 - Digitl Tools for Info Wrld
 - And any of the following
 - # Of Credits From these courses: 4
 - CHEM 151 - Elem Survey Chemistry
 - CHEM 151L - Elementary Survey of Chemistry Lab
 - Or # Of Credits From these courses: 4
 - CHEM 161 - General Chemistry I
 - CHEM 161L - General Chemistry Lab I
- S Freshman Year (Spring): 16 credits
- # Of Credits From these courses: 3
 - SSM 275 - Basic Energy Productn
 - And any of the following
 - # Of Credits From these courses: 4
 - CHEM 162 - Gen Chemistry II
 - CHEM 162L - Gen Chem Lab II
 - Or # Of Credits From these courses: 4
 - GIS 150 - Intro to GIS & GPS
 - And # Of Credits From these courses: 3
 - ECON 130 - Princ Econ Micro
 - ECON 131 - Princ Econ Macro
 - And # Of Credits From these courses: 3
 - MATH 135 - Precalc: Elementary Func
 - And # Of Credits From these course sets: 3 GLOBAL MULTICULTURAL PERSPECTIVES (FGA), GLOBAL MULTICULTURAL PERSPECTIVES (FGC)

T Sophomore Year (Fall): 16-17 credits

- All of the following
 - # Of Credits From these courses: 10
 - BIOL 171 - Introductory Biology
 - BIOL 171L - Intro Biology Lab
 - ACC 201 - Financial Accounting
 - MATH 115 - Intro Stats & Probability
 - And # Of Credits From these courses: 3
 - HWST 107 - Hawaii: Center of the Pacific
 - HIST 284 - History Hawaiian Isles
 - And any of the following
 - # Of Credits From these courses: 3
 - SSM 201 - Sustainable Bldg Design
 - Or # Of Credits From these courses: 4
 - OCN 201 - Science of Sea
 - OCN 201L - Science of Sea Lab

AND

U Sophomore Year (Spring): 16 credits

- All of the following
 - # Of Credits From these courses: 7
 - SSM 202 - Sustainable Isle Comty
 - ZOOL 200 - Marine Biology
 - ZOOL 200L - Marine Biology Lab
- And # Of Credits From these courses: 3
 - COM 215 - Conflict Resolution
 - PSY 253 - Conflict Resolve
- And # Of Credits From these courses: 3
 - BLAW 200 - Legal Environmt Business
 - MATH 241 - Calculus I
- And # Of Credits From these courses: 3
 - ENG 210 - Research Writing
 - ENG 225 - Writing for Sci & Tech

AND

V Junior Year (Fall): 15 credits

- # Of Credits From these courses: 12
 - SSM 302 - Environmental Health
 - SSM 375 - Renew Engy Conversions
 - ENG 316 - Adv Research Writing
 - UD ELECTIVE -
- And # Of Credits From these courses: 3
 - MGT 322 - Org Leadership
 - MGT 310 - Princ of Management

AND

W Junior Year (Spring): 16 credits

- # Of Credits From these courses: 16
 - SSM 301 - Sustainable Organizations
 - SSM 392V - SSM Internship
 - SSM 402 - Water Resources Mgt
 - BIOL 331 - Marine Mammal Biol
 - BIOL 331L - Marine Mammal Lab
 - PHIL 323 - Professional Ethics

AND

X Senior Year (Fall): 15 credits

- # Of Credits From these courses: 12
 - SSM 422 - Sustain System Thinking
 - SSM 384 - Sustaining the Globalized Ocean
 - SSM 495 - SSM Capstone I
 - HUM 400 - Changes & Choices
- And any of the following
 - # Of Credits From these courses: 3
 - SSM 403 - Renewable Energy Integration
 - Or # Of Credits From these courses: 3
 - BIOL 424 - Protected Species Mgt
 - BIOL 424L - Protected Species Mgt Lab

AND

Y Senior Year (Spring): 15 credits

- # Of Credits From these courses: 15
 - SSM 401 - Envirn Law-Policy-Justice
 - SSM 496 - SSM Capstone II
 - COM 459 - Intercultural Comun II
 - UD ELECTIVE -
 - UD ELECTIVE -