

New Program Code     Replace Program Code    Date: \_\_\_\_\_

**REQUESTOR CONTACT INFORMATION**

Name \_\_\_\_\_ Campus \_\_\_\_\_  
 Title \_\_\_\_\_ Email \_\_\_\_\_  
 Office/Dept \_\_\_\_\_ Phone \_\_\_\_\_

**NEW PROGRAM CODE TO CREATE**

Institution \_\_\_\_\_ Campus \_\_\_\_\_  
 Level \_\_\_\_\_ Effective Term \_\_\_\_\_

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) _____	_____	<input type="checkbox"/> See Banner form STV_COLL
Department	(4) _____	_____	<input type="checkbox"/> See Banner form STV_DEPT
Degree/Certificate	(6) _____	_____	<input type="checkbox"/> See Banner form STV_DEGC
Major	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR
Concentration	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR
Minor	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR

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)?  
 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.*

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

**EXISTING PROGRAM CODE TO REPLACE, IF APPLICABLE**

Program Code _____	Program Description _____
Institution _____	Campus _____
College _____	Department _____
Level _____	
Are current students "grandfathered" under the program code? <span style="float:right"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Should the old program code be available for use in Banner? <span style="float:right"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
<b>Effective</b> <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> <b>, old program code will no longer be available to admit or recruit students.</b>	
<small>Term (ie. Fall 2020)</small>	
<i>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.</i>	
<b>Effective</b> <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> <b>, old program code will no longer be available to award degree to students.</b>	
<small>Term (ie. Fall 2020)</small>	
<i>This will turn off the general student (effects Banner form SGASTDN) and academic history (effects Banner form SHADEGR) Banner modules.</i>	

**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

<p><b>CERTIFICATES ONLY: Please check one (1) statement.</b> This certificate is a...</p> <p><input type="checkbox"/> BOR approved certificate. BOR Meeting/Approval Date: _____</p> <p><input type="checkbox"/> Chancellor approved within an authorized BOR program. BOR Program: _____</p> <p><input type="checkbox"/> Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.</p>
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**VERIFICATIONS**

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

<p><b>Registrar</b> (Print Name)</p> <p>_____</p>	<p><b>Financial Aid Officer</b> (Print Name)</p> <p>_____</p>	<p><b>For Community Colleges, verification of consultation with OVPCC Academic Affairs:</b> Tammi Oyadomari-Chun</p> <p>_____</p>
Signature	Date	Signature
Date	Date	Date

**ADDITIONAL COMMENTS**



UNIVERSITY  
of HAWAII  
MĀNOA

REVISED  
March 22, 2021

November 18, 2020

MEMORANDUM

To: Laura E. Lyons, Associate Vice Chancellor for Academic Affairs

Via: Chip Fletcher, *cf*  
SOEST Associate Dean for Academic Affairs

From: Margaret McManus, *Margaret McManus*  
Department Chair, Oceanography

Michael Guidry, *mg*  
Undergraduate Chair, Global Environmental Science Program

Subject: Proposal to add Risk Management and Insurance Track to the B.S. Global Environmental Science degree program

Overview

Global Environmental Science (GES) students and alumni have indicated a desire to add (to the current program formulation) "tracks" which focus on the dynamic intersections between the environmental sciences and human dimensions.

To be viable from a GES programmatic perspective, these tracks must (1) create and advertise new academic pathways, (2) promote and prepare students for specific career pathways and/or post-undergraduate schooling opportunities, and (3) build new capacity.

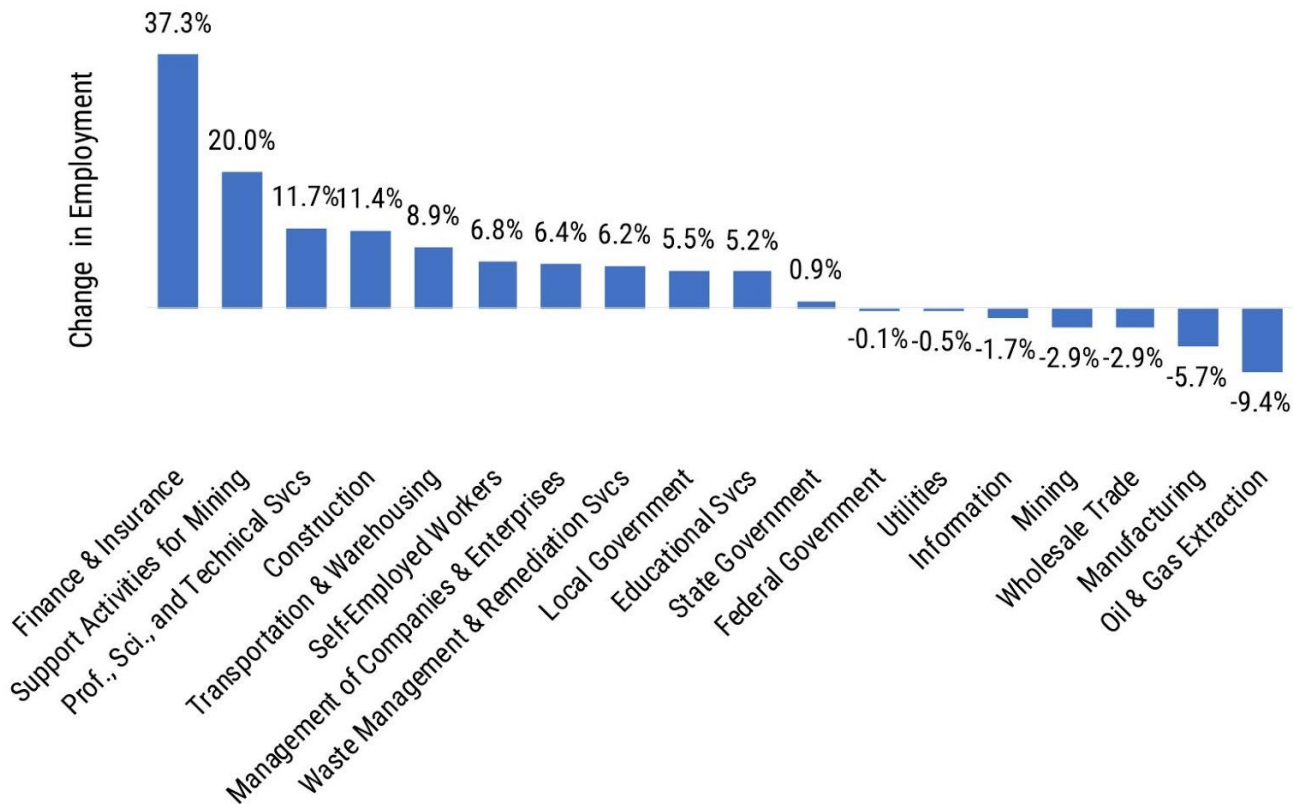
The following tracks in collaboration with the noted partnering units are current options in the GES Program and, along with two bachelor and master pathways (with Planning and Public Health) and a bachelor and post-baccalaureate pathway (with Education), have led to substantial growth in GES program enrollment:

- Environmental Planning [(w/ Department of Urban and Regional Planning (URP));
- Environmental Health Sciences [(w/ Office of Public Health Studies (PHS));
- Sustainable Tourism [(w/ School of Travel Industry Management (TIMS));
- Sustainability Science [(w/ Hawaii Natural Energy Institute)]; and
- Environmental Anthropology [(w/ Department of Anthropology)].

Proposed Risk Management and Insurance Track

The need for this track is illustrated in the below figure of projected geoscience workforce change by industry. Geoscience finance and insurance-related jobs are projected to grow by over 37% in the next eight years. The projected growth is the response of the finance and insurance industry to “pricing in” current and future impacts of climate and environmental change into all aspects of their provided services. Geoscientist with finance and insurance expertise are needed to bridge the two disciplines in the finance and insurance industry.

### Projected Geoscience Workforce Changes by Industry 2018-2028



Source: AGI Geoscience Workforce Program; Data derived from the U.S. BLS Employment Projections

With the above need and demand in mind, the Finance Department and the GES Program (housed in the Oceanography Department) have agreed to collaborate and offer the Risk Management and Insurance (or RMI) Track (see Appendix A).

The proposed track fits within the current GES program framework (see Appendix B) by prescribing a group of four Coupled System courses that are synergistic and strategic in focus and highlight specific career pathways and/or post-undergraduate schooling options.

The Finance Dept. and Shidler’s Office of Student Academic Services (OSAS) has agreed to provide faculty and advising services to work in tandem with the GES chair and the School of Ocean and Earth Sciences and Technology’s Student Services to provide academic and career advisement for the student.

RMI Track Courses

The required four Coupled Systems courses (GES degree requirement) for the RMI Track are:

BUS 314 Business Finance  
INS 300 Principles of Insurance  
FIN 301 Personal Financial Planning  
FIN 450 Enterprise Risk Management

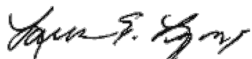
The above four Coupled Systems courses were deemed appropriate by the Finance Department for preparing the student, upon graduation, to (1) immediately enter the workforce, or (2) pursue further graduate or professional schooling, especially in the track's focus area.

Registration: GES students may register in the above four courses after priority registration to Shidler students, usually one week after the start of registration period for continuing UHM students. SOEST Advisor Ms. Heather Saito may provide the necessary overrides for GES students.

ECON 130 and 131 along with ACC 200 and 210 are prerequisites for BUS 314 (the first course in the RMI Track sequence). ECON 130 and 131 are large enrollment courses with no major restrictions. ACC 200 and 210 are open enrollment courses for those with sophomore standing, so no special permission is needed.

Finally, establishing the RMI Track will also lay the groundwork for a 4+1 pathway between the GES BS and the accredited Master of Science in Finance program in the Finance Department.

**APPROVED/DISAPPROVED**



\_\_\_\_\_  
Laura E. Lyons  
Associate Vice Chancellor for  
Academic Affairs

14 April 2021

\_\_\_\_\_  
**DATE**

**EFFECTIVE: Fall 2021**



**University of Hawai‘i at Mānoa – Four-Year Academic Plan 2021-2022**  
**Bachelor of Science (BS) in Global Environmental Science**  
**Risk Management and Insurance Track with the Shidler College of Business**

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4	
Fall		Fall		Fall		Fall	
GES/OCN 100	1	OCN/ERTH 312	3	GES 310	3	OCN/GES 401	3
GES/OCN 102	3	PHYS 170	4	GES 310L	2	INS 300 (CS #3)	3
OEST 100	1	PHYS 170L	1	FG (A/B/C)	3	ECON 321	3
FW	3	ATMO 200	3	BIOL 171 (DB)	3	DA/DH/DL 300+	3
MATH 241 (FQ)	4	ECON 130 (DS)	3	BIOL 171L	1	Elective	1
CHEM 161 (DP)	3	ACC 200	3	BUS 314 (CS #1)	3		
CHEM 161L (DY)	1						
Credits	16	Credits	17	Credits	15	Credits	13
Spring		Spring		Spring		Spring	
OCN 201	3	PHYS 272	3	FIN 301 (CS #2)	3	OCN/GES 490	2
OCN 201L	1	PHYS 272L	1	BIOL 172	3	OCN/GES 499	3
MATH 242	4	ERTH 101 and 101L	4	BIOL 172L	1	FIN 450 (CS #4)	3
CHEM 162	3	or EARTH 170		DA/DL/DH	3	Elective 300+	3
CHEM 162L	1	ECON 131	3	OCN/GES 320	3	DS 300+	3
FG (A/B/C)	3	ACC 210	3	OCN/GES 463	3		
Credits	15	Credits	14	Credits	16	Credits	14
Summer		Summer		Summer		Summer	
Credits	0	Credits	0	Credits	0	Credits	0
<b>Total Credits</b>	<b>31</b>	<b>Total Credits</b>	<b>62</b>	<b>Total Credits</b>	<b>93</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

Student must take placement exams to be able to register for CHEM 161 and MATH 241;

Student must select ECON 321 and OCN 312 math track

Approved Global Environmental Science Coupled Systems Courses for RMI track: BUS 314, FIN 301, INS 300, FIN 450

Student must incorporate all focus requirements into this plan. Focus designations (i.e., W, E, O, H) are CRN specific & semester specific.

Student must take ECON 130, ECON 131, ACC 200, and ACC 210 as prereqs for upper div BUS, FIN, INS courses