REQUESTOR CONTACT INFORMATION		
Date: March 21, 2013 Effective term of request (Semester-Year): Fall 2013 (201410)		
Name: Rayna Ivanova	Title: Chair and Professor	
Campus: Hilo	Office/Department: Arts and Sciences/Mathematics	
Phone: 974-7321	Email: rivanova@hawaii.edu	

1. PROGRAM CODE, MAJOR CODE, CONCENTRATION CODE Banner forms: SMAPRLE, SOACURR, STVMAJR		
Institution: UH Hilo (HIL)	College: CAS	Department: Mathematics
✓ New program code Change/replace exist	ing program code:	
Level: 🔳 Undergraduate 🗌 Graduate 🗌 First-Professional 🗌 Post-Baccalaureate 🗌 Other:		
Degree: Certificate: SC		
If requesting an existing Major code and/or Concentration code in Banner:		
Existing Major: Code Description	Existing Concentrat	ion: Code Description
If requesting a new 🗌 Major code or 🔳 Concentration code that does not exist in Banner:		
New Code [4 char/space limit]: MAHS Description [30 char/space limit]: STEM Honors Certificate		
If a similar major/concentration code exists in Banner, please list the code:		
Is this major/concentration code being used the same way at other UH campuses? no		
Is 50% or greater of the classes in this program offered at a location other than the Home Campus? Yes 🖌 No (Please consult your Financial Aid Officer on Program Participation Agreement impact)		
Is this program/major/certificate financial aid eligible? 🗌 Yes X No (Financial Aid Officer consultation required for all new program codes)		
Should this program be available for applicants to select as their planned course of study on the online application? Yes V No (If yes, students may select the code as their only program of study.)		

Replacing or eliminating an existing program co	ode:			
If replacing an existing program code, are curren	nt students "grandfathere	ed" under	the old	code? 🗌 Yes 🗌 No
Should the old program code be available for us	e in Banner? 🗌 Yes	🗌 No		
Will the old program code be available for:	Banner Module Online Application Recruitment Admissions General Student Academic History	Yes	No	Ending Term (Semester-Year)

2. CERTIFICATES ONLY:
Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? Yes V No (Please consult your Financial Aid Officer or see: http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html)
For new certificates approved by the Chancellor, the related BOR authorized academic program is: BA in Mathematics

3. NEW CAMPUS, COLLEGE, DIVISION, OR DEPARTMEN	T CODE Banner forms: STVCAMP, STVCOLL, STVDIVS, STVDEPT	
Campus code [3 char]: Campus description [30 char/space limit]:		
College code [2 char]:	College description [30 char/space limit]:	
Division code [4 char/space limit]:	Division description [30 char/space limit]:	
Department code [4 char/space limit]:	Department description [30 char/space limit]:	

4. NEW COURSE SUBJECT CODE (Subject Alpha) Banner form: S	
College:	Department:
Subject code [4 char/space limit]:	Subject description [30 char/space limit]:

5. NEW MINOR (Minor codes are listed on the Major code table)		Banner form: STVMAJR
Minor Code [4 char/space limit]:	Minor Description [30 char/space limit]:	

Please briefly describe your request and explain why you are requesting the code(s):

The newly approved academic subject certificate (undergraduate) in HAWAIIAN CULTURE will begin accepting students in Fall 2012.

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SUPPORTING D	ULUIVIENTATIUN

Please see the **Code Request Guide** for the required supporting documents to be submitted. Documents submitted with this form:

Board of Regents meeting minutes and supporting documents provided to the BOR

____ Memo from UH President

Curriculum (required for requests for new programs/majors/minors/certificates)

Gainful Employment Program notification to the US Department of Education

Other: _____

CAMPUS VERIFICATION	
Requestor Signature Date Date Date	
Registrar (If different from Requestor) A A MARK A	Date 21 201.
Financial Aid Officer (Financial Aid Officer consultation required for all new program codes)	$\frac{0}{2i}/200$
Email/memo in lieu of Financial Aid Officer's signature may be attached	
For Community Colleges, verification of consultation with OVPCC Academic Affairs:	
Print name Signature Email/memo in lieu of signature may be attached	Date
Send completed form and supporting documentation to:	

Institutional Research and Analysis Office (IRAO)1633 Bachman PlaceEmail: iro-mail@lists.hawaii.eduSinclair Annex 2, Room 4Fax: 808-956-9870Honolulu, HI 96822Phone: 808-956-7532

After all required forms and supporting documents have been submitted, please allow at least two weeks for processing by IRAO and Banner Central.

FOR INTERNAL USE ONLY	Date form/docs received:
Program code [12]:	Program Description [30]:
CIP code [6]:	CIP description [30]:

STEM Research Honors Certificate

Requirements for the STEM Research Honors Certificate Program (credits).

<u>CORE</u> MATH 205 Calculus I (4) MATH 206 Calculus II (4)

Major 399 Directed Studies (3) Major 499 Directed Studies (3) HON 495 STEM Honors Research Symposium (1)

Major Core Courses

Students must complete the core courses requirements for their major only. Biology (8)

BIOL 175 Introductory Biology I (3) BIOL 175L Introductory Biology I Lab (1) BIOL 270 Intermed Cell & Molecular Biol (3) BIOL 270L Intermed Cell & Molecular Biol Lab (1)

Chemistry (8)

CHEM 241 Organ Chem I (3) CHEM 241L Organ Chem I Lab (1) CHEM242 Organic Chem II (3) CHEM 242L Organic Chem II Lab(1)

Computer Science (3) CS 321 Data structure (3)

Environmental Sciences (3)

ENSC 385 Fielld Meth in Geog & Environ Sci (3)

Geology (7 or 8)

GEOL 112 History of the Earth & Its Life (3) GEOL 112L History of the Earth & Its Life Lab (1) and either

GEOL 330 Deformation of the Earth (3) or GEOL 212 Earth Materials I: Minerals (4)

Marine Sciences (8)

MARE 265 Marine Ecology and Evolution (3) and either MARE 350 Coastal Methods and Analyses (3) MARE 350L Coastal Methods and Analyses Lab (2) or MARE 353 Pelagic Methods and Analyses (3) MARE 353L Pelagic Methods and Analyses Lab (2)

In Marine Science MARE 470 Senior Thesis Research (3) and MARE 471 Senior Thesis Report (3) Can be substituted by Major 399 Independent Study (3) and Major 499 Independent Study (3)

Mathematics (6)

MATH 231 Calculus III (3) MATH232 Calculus IV (3)

Physics & Astronomy (6)

Physics: PHYS 270 Gen Phys III: Intro Modern Phy (3) PHYS 331 Optics (3) Or Astronomy: PHYS 270 Gen Phys III: Intro Modern Phy (3) ASTR 350 Stellar Astrophysics (3)

UNIVERSITY OF HAWAI'I AT HILO

Office of the Vice Chancellor for Academic Affairs

2 April 2013

MEMORANDUM

TO: Linda Johnsrud, Vice President Academic Policy and Planning, University of Hawai`i System

- VIA: Donald Straney, Chancellor University of Hawai`i at Hilo
- FROM: Matthew Platz, VCAA University of Hawai`i at Hilo

Scondelle. Strane

SUBJECT: Code Request: Subject Certificate in STEM Honors Research Offered through the College of Arts and Sciences

We request a new Banner code MAHS for the subject certificate in STEM Honors, offered through the UH Hilo College of Arts and Sciences under the Board-approved BA in Mathematics.

Subject Certificate in STEM Honors Code: MAHS

The certificate has successfully completed the curriculum review process at UH Hilo. The program is comprised of existing Natural Science division courses, enabling students in different Natural Science majors who qualify as Honors students to earn a certificate by completing research under the supervision of a professor in their own major.

Thank you for your assistance in notifying the appropriate University offices so that this program will be reflected properly in the University's operational and reporting systems.

Cc Rayna Ivanova, Chair, Mathematics and Coordinator, Honors Program Cathy Travis, Registrar Luoluo Hong, Vice Chancellor for Student Affairs Pearl Imada Iboshi, Director, UH System Institutional Research Office Joanne Itano, Director, Academic Planning and Policy