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

<table>
<thead>
<tr>
<th>Institution</th>
<th>College</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>UH Hilo (HIL)</td>
<td>CAS</td>
<td>Mathematics</td>
</tr>
</tbody>
</table>

- New program code: [ ]
- Change/replace existing program code: [ ]

Level: [ ] Undergraduate  [ ] Graduate  [ ] First-Professional  [ ] Post-Baccalaureate  [ ] Other:

Degree: [ ] Certificate: [ ]

If requesting an existing Major code and/or Concentration code in Banner:

<table>
<thead>
<tr>
<th>Existing Major:</th>
<th>Code</th>
<th>Description</th>
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<table>
<thead>
<tr>
<th>Existing Concentration:</th>
<th>Code</th>
<th>Description</th>
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</table>

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  [ ] 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  [ ] No

(If yes, students may select the code as their only program of study.)
## Replacing or eliminating an existing program code:

If replacing an existing program code, are current students "grandfathered" under the old code? ☐ Yes ☐ No

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

<table>
<thead>
<tr>
<th>Will the old program code be available for:</th>
<th>Banner Module</th>
<th>Yes</th>
<th>No</th>
<th>Ending Term (Semester-Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Application</td>
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<td>Recruitment</td>
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<td>Admissions</td>
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<td>General Student</td>
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<tr>
<td>Academic History</td>
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## 2. CERTIFICATES ONLY:

Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? ☐ Yes ☑ 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 DEPARTMENT CODE

<table>
<thead>
<tr>
<th>Banner forms: STVCAMP, STVCOLL, STVDIVS, STVDEPT</th>
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</thead>
<tbody>
<tr>
<td>Campus code [3 char]:</td>
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<tr>
<td>Campus description [30 char/space limit]:</td>
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<tr>
<td>College code [2 char]:</td>
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<tr>
<td>College description [30 char/space limit]:</td>
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<tr>
<td>Division code [4 char/space limit]:</td>
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<tr>
<td>Division description [30 char/space limit]:</td>
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<tr>
<td>Department code [4 char/space limit]:</td>
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<tr>
<td>Department description [30 char/space limit]:</td>
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The newly approved academic subject certificate (undergraduate) in HAWAIIAN CULTURE will begin accepting students in Fall 2012.
UNIVERSITY OF HAWAI'I
CODE REQUEST FORM FOR ACADEMIC PROGRAM CODES

CAMPUS VERIFICATION

Requestor Signature __________________________ Date 3/14/13

Registrar (If different from Requestor)

Print name __________________________ Signature __________________________ Date ______________

Email/memo in lieu of Registrar's signature may be attached

Financial Aid Officer (Financial Aid Officer consultation required for all new program codes)

Print name __________________________ Signature __________________________ Date ______________

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 __________________________ Date ______________

Email/memo in lieu of signature may be attached

Send completed form and supporting documentation to:
Institutional Research and Analysis Office (IRAQ)
1633 Bachman Place Email: iro-mail@lists.hawaii.edu
Sinclair Annex 2, Room 4 Fax: 808-956-9870
Honolulu, HI 96822 Phone: 808-956-7532

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

FOR INTERNAL USE ONLY

<table>
<thead>
<tr>
<th>Program code [12]:</th>
<th>Program Description [30]:</th>
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<tbody>
<tr>
<td>CIP code [6]:</td>
<td>CIP description [30]:</td>
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</table>

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Rev. 07-2011
STEM Research Honors Certificate

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

**CORE**
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)
CHEM 242 Organic Chem II (3)
CHEM 242L Organic Chem II Lab (1)

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

**Environmental Sciences (3)**
ENSC 385 Field 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)
MATH 232 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)
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

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