

UNIVERSITY OF HAWAII
CODE REQUEST FORM FOR ACADEMIC PROGRAM CODES

REQUESTOR CONTACT INFORMATION	
Date: October 22, 2013	Effective term of request (Semester-Year): Fall 2013
Name: Stuart Lau	Title: University Registrar
Campus: Manoa	Office/Department: Office of the Registrar
Phone: 956-5322	Email: stuartl@hawaii.edu

1. PROGRAM CODE, MAJOR CODE, CONCENTRATION CODE		Banner forms: SMAPRLE, SOACURR, STVMAJR
Institution: UH Manoa (MAN) <input type="checkbox"/>	College: 30 <i>CTAHR</i>	Department: MBBE ✓
<input type="checkbox"/> New program code <input checked="" type="checkbox"/> Change/replace existing program code: PEB-BS		
Level: <input checked="" type="checkbox"/> Undergraduate <input type="checkbox"/> Graduate <input type="checkbox"/> First-Professional <input type="checkbox"/> Post-Baccalaureate <input type="checkbox"/> Other:		
Degree: BS ✓	Certificate:	
If requesting an existing Major code and/or Concentration code in Banner:		
Existing Major:	Existing Concentration:	
<small>Code</small>	<small>Description</small>	<small>Code</small>
If requesting a new <input checked="" type="checkbox"/> Major code or <input type="checkbox"/> Concentration code that does not exist in Banner:		
New Code [4 char/space limit]: MBB ✓	Description [30 char/space limit]: Molecular Biosciences & Biotech	
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?		
Is 50% or greater of the classes in this program offered at a location other than the Home Campus? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <small>(Please consult your Financial Aid Officer on Program Participation Agreement impact)</small>		
Is this program/major/certificate financial aid eligible? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <small>(Financial Aid Officer consultation required for all new program codes)</small>		
Should this program be available for applicants to select as their planned course of study on the online application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <small>(If yes, students may select the code as their <u>only</u> program of study.)</small>		

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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

Will the old program code be available for:

Banner Module	Yes	No
Online Application	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Recruitment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Admissions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
General Student	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Academic History	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Ending Term (Semester-Year)
Spring 2013
Spring 2013
Spring 2013

RECEIVED

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:

3. NEW CAMPUS, COLLEGE, DIVISION, OR DEPARTMENT CODE

Banner forms: STVCAMP, STV_COLL, 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]:

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4. NEW COURSE SUBJECT CODE (Subject Alpha)		Banner form: STVSUBJ
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]:	


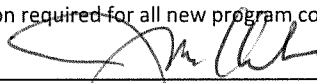
Please briefly describe your request and explain why you are requesting the code(s):

SUPPORTING DOCUMENTATION
<p>Please see the Code Request Guide for the required supporting documents to be submitted. Documents submitted with this form:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Board of Regents meeting minutes and supporting documents provided to the BOR <input type="checkbox"/> Memo from UH President <input checked="" type="checkbox"/> Memo from Chancellor <input type="checkbox"/> Curriculum (required for requests for new programs/majors/minors/certificates) <input type="checkbox"/> Gainful Employment Program notification to the US Department of Education <input type="checkbox"/> Other: _____

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CAMPUS VERIFICATION		
Requestor Signature <u></u>	Date <u>October 22, 2013</u>	
Registrar (If different from Requestor) <div style="text-align: right; font-weight: normal; font-size: 1.2em; margin-top: 5px;">RECEIVED</div>		
_____ 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) <div style="text-align: right; font-weight: normal; font-size: 1.2em; margin-top: 5px;">RECEIVED</div>		
<u>Jodie Kuba</u> Print name	<u></u> Signature	<u>11/4/13</u> 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 (IRAO)
 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 IRAO and Banner Central.

FOR INTERNAL USE ONLY	
Date form/docs received: <u>11/18/2013 ps</u>	Program Description [30]: <u>Molecular Biosciences 4 Biotech</u>
Program code [12]: <u>MBB-DS</u>	CIP description [30]: <u>Biotechnology</u>
CIP code [6]: <u>261201</u>	

DTS 14296



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13 APR -1 02:35

February 26, 2013

UNIVERSITY OF HAWAII
PRESIDENT'S OFFICE

MEMORANDUM

TO: M.R.C. Greenwood
President

VIA: Tom Apple *Frank*
Chancellor

VIA: Reed Dasenbrock *[Signature]*
Vice Chancellor for Academic Affairs

FROM: Maria Gallo *Maria Gallo*
Dean and Director

SUBJECT: Request to change degree name, from Bachelor of Science in *Plant and Environmental Biotechnology* to Bachelor of Science in *Molecular Biosciences and Biotechnology*

SPECIFIC ACTION REQUESTED:

We request to change the Bachelor of Science degree in "Plant and Environmental Biotechnology" to the Bachelor of Science degree in "Molecular Biosciences and Biotechnology" in the Department of Molecular Biosciences and Bioengineering (MBBE).

EFFECTIVE DATE:

September 1, 2013

ADDITIONAL COST:

There are no additional costs associated with this action or its implementation.

PURPOSE:

The MBBE faculty approved the change in degree name so that it would more accurately and inclusively reflect the curriculum and laboratory experiences undertaken by the students, and to correctly indicate the emphasis of this scientific discipline.

BACKGROUND INFORMATION:

According to the Board of Regents Policy 5-1.h (1) Instructional Programs, Naming of Programs, the President may approve changes in the operative and functional names of academic programs and credentials as may become necessary to remain current with the terminology and focus of their fields and involve no significant change in program requirements.

The undergraduate Plant and Environmental Biotechnology (PEB) program has been administered since inception (2001) by the MBBE Department. In the past decade, an expansive growth in the field ensued. New faculty replaced retiring faculty, and a modern infusion of ideas and updated course materials were implemented. In both course curricula and laboratory experiences, the PEB program not only includes plant and environmental biotechnology, but also in-depth learning of animal, human and microbial biotechnology.

The discipline of biotechnology has arisen from the field of molecular biosciences along with a plethora of new research methodologies. It encompasses diverse living systems from microbes, to plants and animals, and utilizes genetic, biochemical and other molecular biological-based methodologies. Most colleges of agriculture in the US have biotechnology programs that include diverse organisms, and are not restricted to plants. The MBBE department has established itself as the department with primary research and teaching missions are biotechnology with a molecular emphasis. It teaches the only biotechnology courses on campus (MBBE 401 Molecular Biotechnology; MBBE 304 Biotechnology Sciences and Ethical Issues; MBBE 461 Biotechnology for Teachers; BE 431 Environmental Biotechnology).

In CTAHR and MBBE, the participating faculty mentors teach biotechnology and conduct biotechnology research on plants, algae, bacteria, yeast, fungi, insects, fish, and mammals. The faculty (Faculty list: http://www.ctahr.hawaii.edu/mbbe/faculty_list.html) contribute exciting and diverse biotechnologies relative to the narrower perception associated with the name, plant and environmental biotechnology. Thus, the term, "Plant and Environmental," is not truly representative of the broad education and training obtained in the B.S. degree. For many graduates, their one-year senior thesis research project (MBBE 499) emphasized conducting investigations on fish genetics for aquaculture, yeast recombinant genes, fungal bioenergy conversion, or cancer in mutant lines of mice (in addition to plant-related projects).

The students will enroll in the same courses and have available the same choice of senior research experiences that emphasize molecular biosciences and biotechnology. No adverse change to the educational outcomes and experiences are anticipated with a new name.

Three letters of support from other departments in the UH system that have biology-based curricula (Microbiology-Molecular and Cellular Biology, Biology, KCC-Medical Technology) are attached.

In summary, a precise identifier for the undergraduate program is the use of molecular-based methods underpinning biotechnology applications. Therefore, a more accurate name for the program is Molecular Biosciences and Biotechnology, consistent with the molecular-oriented approach to problem-solving in biotechnology and the current direction of this scientific field. The new name is also more relevant for graduates as they embark on their careers.

ACTION RECOMMENDED:

We recommend that you approve the proposed change in the name of the Bachelor of Science degree in Plant and Environmental Biotechnology to the Bachelor of Science degree in Molecular Biosciences and Biotechnology, effective Fall 2011, in the Department of MBBE.

Attachment(s)

1. Letter of Support: Dr. Steven Robinow, Professor and Interim Chair, Department of Biology-UH Mānoa
2. Letter of Support: Dr. Maqsudul Alam, Professor and Chair, Department of Microbiology-UH Mānoa
3. Letter of Support: Dr. John Berestecky, Professor of Microbiology, Department of Math and Sciences-Kapiolani Community College

APPROVED / DISAPPROVED:

M.R.C. Greenwood
President

4/4/13
Date

c: Charles Kinoshita
David Christopher

PEB → MBB



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February 23, 2013

Dear David,

I am writing to support the Bachelor of Science degree "Molecular Biosciences and Biotechnology" (MBB) that will be offered through the Department of Molecular Biosciences and Bioengineering in the College of Tropical Agriculture and Human Resources. This program provides students interested in molecular biology and biotechnology a degree option that is different in scope from the degrees offered by the Department of Biology in the College of Natural Sciences. The MBB degree will be complementary to the degrees offered by the Department of Biology.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven Robinow".

Steven Robinow, Ph.D.
Professor
Interim Chair



University of Hawaii at Manoa
Department of Microbiology

Snyder Hall 207 • 2538 The Mall • Honolulu, Hawaii 96822
Telephone: (808) 956-8121 • Facsimile: (808) 956-5339 • alam@hawaii.edu

April 9, 2012

Dr. David Christopher
Department of Molecular Biosciences and Bioengineering
University of Hawaii at Manoa

Re: Undergraduate Program in Molecular Biosciences and Biotechnology

Dear David:

I am happy to hear that the Department of Molecular Biosciences and Bioengineering (MBBE) is planning to restructure the existing provisional undergraduate 'Plant and Environmental Biotechnology Program (PEB)' and rename it as "Molecular Biosciences and Biotechnology (MBB)". There is no other program with a similar name and objectives at the University and MBBE is certainly the right department to lead this program. It will be complementary to both the Microbiology and Molecular Biosciences programs. I fully endorse the new name and objectives of 'Molecular Biosciences and Biotechnology'.

Sincerely,

A handwritten signature in black ink, appearing to read "Maqsudul Alam".

Maqsudul Alam
Professor and Chair, Microbiology

04092012-DP-5

KAPI'OLANI COMMUNITY COLLEGE - UNIVERSITY OF HAWAII
MATH/SCIENCE DEPARTMENT - MICROBIOLOGY AND BIOTECHNOLOGY
4303 Diamond Head Road, Honolulu, HI 96816
Telephone 808-734-9123 Fax 808-734-9151 e-mail johnb@hawaii.edu

June 4, 2012

Dr. David Christopher
Chair, Molecular Biosciences and Bioengineering
AgSci415B
University of Hawaii at Manoa
Honolulu Hawaii, 96822


Dear Dr. Christopher,

I write to fully endorse the Department of Molecular Biosciences and Bioengineering's efforts to convert "Plant and Environmental Biotechnology (PEB)" from a provisional to a permanent program and I particularly support the plan to change the program name to "Molecular Biosciences and Biotechnology (MBB)."

This program and your department have played an important role in transitioning bio-science students from the two-year program at Kapiolani Community College to an important four year degree at UH Manoa. Our students are particularly attracted to biotechnology because it emphasizes the practical applied side of molecular biology. The students can see the direct impacts and benefits of the topics they study in class. Currently, there is no Biotechnology program at UH-Manoa and your department teaches the only courses in Biotechnology on campus. These courses are complementary, but do not duplicate, the curriculum offered in other programs.

We would prefer the proposed name change for a several reasons. The scientific principles and technologies taught in this program are in fact much broader and are not limited to plant and environmental science. This degree could well suit students interested in graduate study or careers in many of the health sciences, cell biology, genetics or microbiology to name just a few. Students coming out of our biotech program, for instance, have worked on animal tissue culture systems and immunochemistry and many would prefer the more general Biotechnology degree name. Moreover, we are currently pursuing grant support from the NIH to foster the transition of our students to four-year degree programs and we naturally want to include your program as a target program for our students. As you probably know, NIH is very firmly focused on supporting biomedical science, thus it would be easier for us to make a case for a program named "biotechnology" as opposed to "plant and environment".

Sincerely Yours,



John M. Berestecky, Ph.D.
Professor of Microbiology
Kapiolani Community College
4303 Diamond Head Road
Honolulu, Hawaii 96816



Princess Soares <pfrederi@hawaii.edu>

FW: MBB

Pearl Iboshi <iboshi@hawaii.edu>
To: Princess Soares <pfrederi@hawaii.edu>

Mon, Nov 25, 2013 at 8:22 AM

From: Stuart Lau [mailto:stuartl@hawaii.edu]
Sent: Monday, November 25, 2013 7:49 AM
To: Pearl Iboshi
Subject: Re: MBB

ok to change.

Stuart

On Tue, Nov 19, 2013 at 1:59 PM, Pearl Iboshi <iboshi@hawaii.edu> wrote:

Is CIP 011199 still appropriate?

Do you want to change to Biotechnology CIP261201?

Pearl Imada Iboshi, Ph.D.

Director

Institutional Research and Analysis

University of Hawaii System

1633 Bachman Place, Sinclair Annex 2, Room 4

Honolulu, HI 96822

Phone: [\(808\)956-5442](tel:(808)956-5442)

Email: iboshi@hawaii.edu

Website: www.hawaii.edu/irao

—

Stuart Lau
University Registrar
Office of the Registrar
University of Hawaii at Manoa
Ph: [808 956-8010](tel:8089568010)

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