

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? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Should the old program code be available for use in Banner? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<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
Signature	Date	Signature
Signature	Date	Signature

**ADDITIONAL COMMENTS**



UNIVERSITY  
of HAWAI'I\*  
MĀNOA

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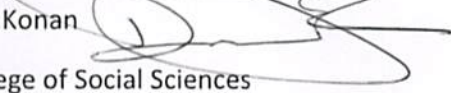
Department of Economics  
Timothy J. Halliday  
Department Chair


MANOA CHANCELLOR'S  
OFFICE

DATE: December 23, 2016

MEMORANDUM

TO: Dr. Michael Bruno  
Interim Vice Chancellor for Academic Affairs

VIA: Dr. Denise Konan   
Dean, College of Social Sciences

FROM: Dr. Timothy Halliday   
Chair, Department of Economics

RE: Changes to the existing Bachelor of Art in Economics

SPECIFIC ACTION REQUIRED:

Approve proposed addition of a Quantitative Economics Concentration to the existing Bachelor of Art in economics program.

RECOMMENDED EFFECTIVE DATE:

Beginning of Fall Semester 2017.

BACKGROUND:

The Department of Economics currently offers a Bachelor of Arts degree in Economics without additional concentration/specialization/track. The current program doesn't require students to have a strong mathematics background as an entry requirement, nor does it require rigorous training in quantitative skills. Because of the lack of mathematics requirement, the current program mainly attracts students outside of science and engineering.

Modern economics is actually very much mathematics-based and requires many quantitative skills. The Department wants to attract students with strong mathematics backgrounds and provide them with more rigorous quantitative training. With the rising demand for quantitative skills on the job market and for entry into many graduate programs, some students certainly will find such a concentration more rewarding than the traditional degree.

In response to the WASC review conducted in 2015, the department has agreed to court students with more quantitative skills and provide rigorous training so that they are better prepared for their future careers. The proposed changes have been discussed thoroughly and approved unanimously by the department faculty.

PROPOSED CHANGES

We propose adding a Quantitative Economics Concentration to the existing BA in Economics degree. Students can choose if they want to pursue the existing BA, or the new BA with Quantitative Economics Concentration.

The existing BA in Economics remains the same. It requires three core courses (9 credits, i.e. Econ 300, Econ 301, and Econ 321), plus five upper division electives (15 credits; at least two have to be upper division II electives, i.e. 420+). The NEW BA in Economics with Quantitative Economics Concentration requires the same core, but also REQUIRES Econ 420, Econ 425, and Econ 427 or Econ 429, plus two electives. Moreover, as commonly required by similar programs at other universities across the U.S., the students are required to take either the Math 215-216 sequence or the Math 241-242 sequence. Compared with students on the traditional track, the new concentration requires the students to take two additional courses, specifically calculus classes. Overall, this is a much more mathematics and quantitative-skill focused package. The courses referenced above are entitled as follows:

Econ 420	3 credits	Mathematical Economics
Econ 425	3 credits	Introduction to Econometrics
Econ 427	3 credits	Economic Forecasting
Econ 429	3 credits	Spreadsheet Modeling for Business and Economic Analysis
Math 215	4 credits	Applied Calculus I
Math 216	3 credits	Applied Calculus II
Math 241	4 credits	Calculus I
Math 242	4 credits	Calculus II


#### Program Administration


All the required courses are already taught on a regular basis in the Economics Department and Mathematics Department. The Economics Department will administer the new concentration. The Department undergraduate advisers will provide advice to guide students through this new track.

#### RECOMMENDED ACTION:

Approval of the addition of a Quantitative Economics Concentration to the existing Bachelor of Arts in economics program.

APPROVED / DISAPPROVED:

  
\_\_\_\_\_  
Michael Bruno  
Interim Vice Chancellor for Academic Affairs and  
Vice Chancellor for Research

  
\_\_\_\_\_  
Date





**University of Hawai'i at Mānoa**  
**Colleges of Arts & Sciences Program Sheet 2017-2018**  
**Bachelor of Arts (BA) in Economics**  
 Concentration: Quantitative Economics  
 Admissions: Open Process: Declaration  
 Min. Total Credits: 120 (78 in core & major + 42 in electives)

UHM General Education Core Requirements
<b>Foundations</b>
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS MATH 215 or 241
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS ECON 130, 131
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
<b>Focus</b>
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
<b>Hawaiian / Second Language</b>
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 202
<b>Credit Minimums</b>
• 120 total applicable
• 30 in residence at UHM
• 45 upper division (300+ level) credits
<b>Grade Point Average</b>
• 2.0 cumulative or higher <i>(Note: Other GPAs may be required.)</i>
• Good academic standing

Degree Requirements
<b>College Requirements</b>
<b>Credit Maximums</b>
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship

*This program sheet was prepared to provide information and does not constitute a contract. See back for major requirements.  
 Meet regularly with your major advisor.*

**Major Requirements for BA in Economics with Quantitative Economics Concentration**

Admission: Open

Application: NA

Min. major credits: 24 (37-38 with related requirements)

Min. C grade (not C-) in courses

**Requirements****Economics Related Requirements (6 credits)** ECON 130\*<sup>DS</sup> ECON 131\*<sup>DS</sup>*ECON 120 may substitute for either ECON 130 or 131.*

Only ECON 130 or 131 may count as a DS because they must come from different departments.

**Mathematics Related Requirement (7-8 credits)** MATH 215\*<sup>F/S</sup> or MATH 241\*<sup>F/S</sup> MATH 216 or MATH 242

Student must take either the MATH 215-216 sequence, OR the MATH 241-242 sequence.

**Economics Core Courses (9 credits)** ECON 300 ECON 301 ECON 321**Quantitative Economics Concentration Required Courses (9 credits)** ECON 420 ECON 425 ECON 427 or ECON 429**Economics Elective Courses (6 credits)** ECON 300+ ECON 300+*BUS 310, NREM 310, MATH 371&373, MATH 471&472, SOCS 225, or CEE 305 may substitute for ECON 321 but do not count toward the 24 credits required for the Economics major.***Notes**

College of Social Sciences Advising; Dean 2; (808) 956-0661

Economics Department; Saunders 542; (808) 956-8496; econ@hawaii.edu; www.economics.hawaii.edu

For the current Economics Undergraduate Advisor, please contact the department.



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2016-2017**  
**Colleges of Arts and Sciences**  
**Bachelor of Arts (BA) in Economics**

Concentration: Quantitative Economics

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	
ECON 130 (DS)	3	ECON 300	3	ECON 321	3	ECON 420	3
MATH 215 or 241 (FS)	4	DA/DH/DL	3	Elective	3	ECON 300+	3
FG (A/B/C)	3	DB (or DP)	3	Elective	3	Elective 300+	3
HSL 101	3	DY	1	Elective	3	Elective 300+	3
Elective	3	DS (non ECON)	3	Elective	1	Elective 300+	3
		HSL 201	3				
<b>Credits</b>	<b>16</b>	<b>Credits</b>	<b>16</b>	<b>Credits</b>	<b>13</b>	<b>Credits</b>	<b>15</b>
Spring		Spring		Spring		Spring	
ECON 131	3	ECON 301	3	ECON 425	3	ECON 427 or 429	3
MATH 216 or 242	3	DA/DH/DL	3	Elective 300+	3	ECON 300+	3
FW	3	DP (or DB)	3	Elective	3	Elective 300+	3
FG (A/B/C)	3	HSL 202	3	Elective	3	Elective 300+	3
HSL 102	3	Elective	3	Elective	3	Elective 300+	3
<b>Credits</b>	<b>15</b>	<b>Credits</b>	<b>15</b>	<b>Credits</b>	<b>15</b>	<b>Credits</b>	<b>15</b>
Summer		Summer		Summer		Summer	
<b>Credits</b>	<b>0</b>	<b>Credits</b>	<b>0</b>	<b>Credits</b>	<b>0</b>	<b>Credits</b>	<b>0</b>
<b>Total Credits</b>	<b>31</b>	<b>Total Credits</b>	<b>62</b>	<b>Total Credits</b>	<b>90</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

Students must take either the MATH 215-216 sequence or the MATH 241-242 sequence.

ECON 120 may substitute for either ECON 130 or 131.

BUS 310, NREM 310, MATH 371 & 373, MATH 471 & 472, SOCS 225, or CEE 305 may substitute for ECON 321 but do not count toward the 24 credits required in Economics.

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

Minimum 45 upper division (300+ course) credits are required.



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2016-2017**  
**Colleges of Arts and Sciences**  
**Bachelor of Arts (BA) in Economics**

Concentration: Quantitative Economics

**For Transfer Students**

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	
MATH 215 or 241 (FS)	4	ECON 130 (DS)	3	ECON 300	3	ECON 420	3
FG (A/B/C)	3	DB (or DP)	3	ECON 321	3	<b>ECON 300+</b>	3
HSL 101	3	DY	1	Elective	3	Elective 300+	3
Elective	3	DS (non ECON)	3	Elective	3	Elective 300+	3
Elective	3	HSL 201	3	Elective	1	Elective 300+	3
		Elective	3				
<b>Credits</b>	<b>16</b>	<b>Credits</b>	<b>16</b>	<b>Credits</b>	<b>13</b>	<b>Credits</b>	<b>15</b>
Spring		Spring		Spring		Spring	
MATH 216 or 242	3	ECON 131	3	<b>ECON 301</b>	3	ECON 427 or 429	3
FW	3	DP (or DB)	3	ECON 425	3	ECON 300+	3
FG (A/B/C)	3	DA/DH/DL	3	Elective 300+	3	Elective 300+	3
DA/DH/DL	3	HSL 202	3	Elective	3	Elective 300+	3
HSL 102	3	Elective	3	Elective	3	Elective 300+	3
<b>Credits</b>	<b>15</b>	<b>Credits</b>	<b>15</b>	<b>Credits</b>	<b>15</b>	<b>Credits</b>	<b>15</b>
Summer		Summer		Summer		Summer	
<b>Credits</b>	<b>0</b>	<b>Credits</b>	<b>0</b>	<b>Credits</b>	<b>0</b>	<b>Credits</b>	<b>0</b>
<b>Total Credits</b>	<b>31</b>	<b>Total Credits</b>	<b>62</b>	<b>Total Credits</b>	<b>90</b>	<b>Total Credits</b>	<b>120</b>

**Notes:**

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