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UNIVERSITY OF HAWAII
BOARD OF REGENTS

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November 1, 2016

MEMORANDUM

TO: Regent Lee Putnam
Chair, BOR Academic and Student Affairs Committee

VIA: David Lassner
President

FROM: Risa E. Dickson
Vice President for Academic Planning and Policy

SUBJECT: Academic Program Actions Report, 2015-2016

UNIVERSITY OF HAWAII
PRESIDENT'S OFFICE

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RECEIVED

As required by Board of Regents Policy RP5.201 and Executive Policy E5.201, attached is the Academic Program Actions Report, 2015-2016. It consists of three sections: the report of academic program actions, the schedule of program reviews and the report on programs with low number of degrees/certificates awarded.

Please let me know if you have any questions.

Attachments

1. Cover
2. Appendices A, B, C

UNIVERSITY OF HAWAII

ACADEMIC PROGRAM ACTIONS REPORT, 2015-2016

The Academic Program Action Report compiles the information that is required to be reported to the Board of Regents (BOR). This includes the following:

1. Small programs with small numbers of graduates
2. Review of established programs
3. Terminated programs

The policies that identify what academic actions are to be reported to the BOR are RP5.201 *Instructional Programs* and EP5.201 *Approval of New Academic Programs and Review of Provisional Academic Programs*.

In addition, selected other academic actions are reported including academic actions by the Board of Regents and the President as well as ongoing provisional programs for each campus.

In summary,

New Academic Programs Approved by the Board of Regents	5
Authorizations to Plan New Academic Programs	3
Provisional Programs Granted Established Status by the BOR	6
Ongoing Provisional Programs	51
Terminations of Provisional Programs	5
Program Reviews Completed	83

The report is in three sections:

Appendix A is the report of Academic Actions, 2015-2016.

Appendix B is the schedule of Program Reviews for Established Programs.

Appendix C is the report of the Programs with Low Number of Degrees/Certificates awarded and campus' response to the low numbers.

**UNIVERSITY OF HAWAI'I
ACADEMIC PROGRAM ACTIONS REPORT, 2015-2016**

I. New Programs and Certificate Actions

A. New Academic Programs Approved by the Board of Regents:

1. SJD, Doctor of Juridical Science, UH Mānoa, BOR approved, 6/2/16
2. AS, Creative Media, Hawai'i CC, BOR approved, 6/2/16
3. APC, Hospitality Operational Management, Kapi'olani CC, BOR approved, 10/15/15
4. AS, Creative Media, Kaua'i CC, BOR approved, 6/2/16
5. AS, Creative Media, Maui College, BOR approved, 6/2/16

B. Authorization to Plan New Academic Programs Approved by Campus Administration:

1. SJD, Juridical Science, UH Mānoa, Chancellor approved, 7/21/15
2. BS, Dietetics, UH Mānoa, Chancellor approved, 2/16/16
3. Subject Certificate, Asian Studies, UH West O'ahu, Chancellor approved, 5/4/16

II. Provisional Programs and Certificate Actions

A. Provisional Programs Granted Established Status by the Board of Regents:

1. BS, Marine Biology, UH Mānoa, BOR approved, 4/21/16
2. PhD, Hawaii and Indigenous Language and Culture Revitalization, UH Hilo, BOR approved, 10/15/15
3. MA, Teaching, UH Hilo, BOR approved, 3/24/16
4. BBA, Accounting, UH Hilo, BOR approved, 3/24/16
5. APC, Information Technology, Kapi'olani CC, BOR approved, 10/15/15
6. AS, Veterinary Technology, Windward CC, BOR approved, 4/21/16

B. Extension of Provisional Program Status by the President:

1. BAS, Applied Sciences, UH West O'ahu, President approved, 5/31/16

C. Termination of Provisional Program by the President:

1. AS, Construction Management, Honolulu CC, President approved, 8/27/15
2. CA, Construction Management, Honolulu CC, President approved, 8/27/15
3. AS, Exercise and Sport Science, Kapi'olani CC, President approved, 5/30/16

4. CA, Exercise and Sport Science, Kapi‘olani CC, President approved, 5/30/16
5. CA, Biotechnician, Kapi‘olani CC, President approved, 5/30/16

D. Ongoing Provisional Programs for each Campus:

UH Mānoa

College or School	Credential and Program	Provisional Until / Comments
Architecture	BEnD, Bachelor of Environmental Design	Provisional until 2019
Arts and Humanities	BA, Creative Media	Provisional until 2016
Education	EdD, Doctor of Education	Provisional until 2016
	PhD, Learning Design & Technology	Provisional until 2020
Engineering	BS, Computer Engineering	Provisional until 2016
Languages, Linguistics & Literature	BA, Second Language Studies	Provisional until 2016
Law	SJD, Doctor of Juridical Science	Provisional until 2021
Natural Sciences	BA, Astronomy	Provisional until 2019
	BA, Astrophysics	Provisional until 2019
	BA, Biochemistry	Provisional until 2016
	BS, Biochemistry	Provisional until 2016
	BS, Ethnobotany	Provisional until 2009 Admission stopped out 2/4/15
	BS, Molecular Cell Biology	Provisional until 2016
Natural Sciences/Ocean & Earth Science & Technology	MS, Marine Biology	Provisional until 2017
	PhD, Marine Biology	Provisional until 2017
Nursing & Dental Hygiene	DNP, Doctor of Nursing Practice	Provisional until 2018
Ocean & Earth Science & Technology	MGeo, Master of Geoscience for Professionals	Provisional until 2017
Pacific & Asian Studies	BA, Pacific Islands Studies	Provisional until 2018
Public Health	BA, Public Health	Provisional until 2019
Social Sciences	BS, Psychology	Provisional until 2017
Tropical Agriculture & Human Resources	PhD, Nutrition	Provisional until 2016

UH Hilo

College or School	Credential and Program	Provisional Until / Comments
College of Arts & Sciences	DNP, Doctor of Nursing Practice	Provisional until Fall 2018
	BA, Gender & Women's Studies	Provisional until Fall 2019
	MA, Heritage Management	Provisional until Fall 2017
College of Pharmacy	BA, Pharmacy Studies	Provisional until Fall 2016
	MS, Clinical Psychopharmacology	Provisional until Fall 2014 – extended. Currently in stop out until Fall 2019
	PhD, Pharmaceutical Sciences	Provisional until Fall 2017

UH West O'ahu

College or School	Credential and Program	Provisional Until / Comments
Applied Sciences	Bachelor of Applied Sciences	Provisional until Spring 2013. One year extension approved 5/31/16.
Social Sciences	Certificate in Democratic Principles & Social Justice	Provisional until Fall 2015
Education	BEd Middle Level/Secondary	Provisional until Spring 2020

Hawai'i CC

College or School	Credential and Program	Provisional Until / Comments
Hawaiian Studies	AA, Hawaiian Studies	Provisional until Spring 2016
Natural Science	AS, Natural Science	Provisional until Spring 2017

Honolulu CC

College or School	Credential and Program	Provisional Until / Comments
Liberal Arts	AA, Hawaiian Studies	Provisional until Spring 2016
Liberal Arts	AS, Natural Science	Provisional until Spring 2017

Kapi'olani CC

College or School	Credential and Program	Provisional Until / Comments
Food Services	APC, Culinary Management	Provisional until Spring 2016
Hospitality and Tourism Education	APC, Hospitality Operational Management	Provisional until Spring 2018

Kaua'i CC

College or School	Credential and Program	Provisional Until / Comments
Liberal Arts	AA, Hawaiian Studies	Provisional until Spring 2016
Natural Science	AS, Natural Science	Provisional until Spring 2017

Sustainability Science	CA, Sustainability Science	Provisional until Spring 2017
Health Service	CA, Medical Assisting	Provisional until Spring 2017

Leeward CC

College or School	Credential and Program	Provisional Until / Comments
Science, Technology, Engineering and Math	AS, Natural Science	Provisional until Fall 2016
Native Hawaiian Programs	AA, Hawaiian Studies	Provisional until Fall 2016
Business	AS, Health Information Technology	Provisional until Fall 2016
Plant Biology and Tropical Agriculture	AS, Plant Biology and Tropical Agriculture	Provisional until Spring 2018

Maui College

College or School	Credential and Program	Provisional Until / Comments
Technology	BAS, Engineering Technology	Provisional until Spring 2017
	BAS, Sustainable Science Management	Provisional until Spring 2018
Business Education	BAS, Applied Business & Engineering Technology	Provisional until Spring 2017
Natural Sciences	AS, Natural Science	Provisional until Spring 2017
Public Services	AS, Early Childhood Education	Provisional until Fall 2014
Hawaiian Studies	AA, Hawaiian Studies	Provisional until Spring 2018

Windward CC

College or School	Credential and Program	Provisional Until / Comments
Natural Sciences	AS, Natural Science	Provisional until Spring 2017

III. Established Programs and Certificate Actions

A. Changes to Established Programs Approved by the Board of Regents: (None)

1. Termination: (None)
2. Name Change: (None)
3. Degree Change: (None)

IV. Review of Established Programs

This section of the report provides a summary of the comprehensive reviews of established programs at the UH Mānoa, UH Hilo, UH West O‘ahu, and UH Community Colleges in fulfillment of BOR policy and in partial fulfillment of the requirements of Act 161. Reviews conducted in other areas, such as student services, research, etc., are handled separately.

The overall purpose of program review is to assess the extent to which academic programs are meeting their stated objectives and whether these objectives are still appropriate to the campus and University missions.

Each Unit of the University has developed its own program review procedures appropriate to its programs and organization.

<i>UH Mānoa</i>	
Program and Credential	Status / Action
<i>Anthropology (BA, MA, PhD)</i> <i>Communications (BA, MA, PhD)</i> <i>Economics (BA, MA, PhD)</i> <i>Ethnic Studies (BA)</i> <i>Geography (BA, MA, PhD)</i> <i>Political Science (BA, MA, PhD)</i> <i>Psychology (BA, BS, MA, PhD)</i> <i>Public Administration (MPA)</i> <i>Sociology (BA, MA, PhD)</i> <i>Urban and Regional Planning (PhD)</i> <i>Women's Studies (BA)</i> <i>American Studies (BA, MA, PhD)</i> <i>Art & Art History (BA, BFA, MA, MFA)</i> <i>Communicology (BA, MA)</i> <i>Creative Media (BA)</i> <i>History (BA, MA, PhD)</i> <i>Music (BA, BMus, MA, MMus, PhD)</i> <i>Philosophy (BA, MA, PhD)</i> <i>Religion (BA, MA)</i> <i>Theatre & Dance (BA, BFA, MA, MFA, PhD)</i>	<i>Completed</i>
<i>Clinical Psychology (PhD)</i>	<i>American Psychological Association granted continued accreditation May 2016</i>
<i>Library and Information Science (MLISc)</i>	<i>American Library Association granted continued accreditation January 2016</i>
<i>Travel Industry Management (BS)</i>	<i>Accreditation Commission for Programs in Hospitality Administration granted continued accreditation February 2016</i>
<i>Dental Hygiene (BS)</i>	<i>Review by Commission on Dental Accreditation in progress</i>

<i>UH Hilo</i>	
Program and Credential	Status / Action
<i>Administration of Justice (BA)</i>	<i>Completed</i>
<i>Chemistry (BA)</i>	<i>Completed</i>
<i>English (BA)</i>	<i>Completed</i>
<i>Marine Science (BA, BS)</i>	<i>Completed</i>
<i>Political Science (BA)</i>	<i>Completed</i>
<i>Art (BA)</i>	<i>Program Review in Progress</i>
<i>History (BA)</i>	<i>Program Review in Progress</i>
<i>Agriculture (BS)</i>	<i>Program Review in Progress</i>

<i>UH West O'ahu</i>	
Program and Credential	Status / Action
<i>Substance Abuse and Addictions Studies (UCert)</i>	<i>Completed</i>
<i>Applied Sciences (BAS)</i>	<i>Provisional until Spring 2013; internal review done, external review in progress; extension to provisional period approved by President 5/31/16</i>

<i>Hawai'i CC</i>	
Program and Credential	Status / Action
<i>Architectural, Engineering and CAD Technologies – AEC (AAS)</i>	<i>Completed</i>
<i>Culinary Arts EH (AAS, CA, CC)</i>	
<i>Culinary Arts WH (AAS, CA, CC)</i>	
<i>Diesel Mechanics (AAS, CA)</i>	
<i>Fire Science (AS, CA)</i>	
<i>Hawaiian Studies (AA)</i>	
<i>Hospitality and Tourism (AAS, CA, CC)</i>	
<i>Information Technology (AS, CA, CC)</i>	
<i>Liberal Arts (AA)</i>	
<i>Nursing and Allied Health (AS)</i>	

<i>Honolulu CC</i>	
Program and Credential	Status / Action
<i>Automotive Technology</i>	<i>Completed</i>
<i>Occupational Environmental Safety Management</i>	
<i>Welding</i>	
<i>Administration of Justice</i>	

<i>Kapi'olani CC</i>	
Program and Credential	Status / Action
<i>Accounting (AS, CA)</i>	<i>Completed</i>
<i>Culinary Arts (AS, CA)</i>	
<i>Dental Assisting (CO)</i>	
<i>Emergency Medical Technician (CO)</i>	
<i>Hospitality and Tourism (AS, CA)</i>	
<i>Information Technology (AS, CA)</i>	
<i>Liberal Arts (AA)</i>	
<i>Hawaiian Studies (ASC)</i>	
<i>Asian Studies (ASC)</i>	
<i>International Studies (ASC)</i>	
<i>Marketing (AS)</i>	
<i>Medical Assisting (AS, CA)</i>	
<i>Medical Laboratory Technician (AS)</i>	
<i>Mobile Intensive Care Technician (AS)</i>	
<i>New Media Arts (AS)</i>	
<i>Nursing (AS)</i>	
<i>Practical Nursing (CA)</i>	
<i>Occupational Therapy Assistant (AS)</i>	
<i>Paralegal (AS)</i>	
<i>Physical Therapist Assistant (AS)</i>	
<i>Radiologic Technology (AS)</i>	
<i>Respiratory Care (AS)</i>	
<i>Retail Management (CA)</i>	
<i>Travel and Tourism (AS)</i>	

<i>Kaua'i CC</i>	
Program and Credential	Status / Action
<i>Hawaiian Studies (AA)</i>	<i>Completed</i>
<i>Early Childhood Education (AS)</i>	
<i>Liberal Arts (AA)</i>	

<i>Leeward CC</i>	
Program and Credential	Status / Action
<i>Digital Media (AS, ASC, CA, CO)</i>	<i>Completed</i>
<i>Hawaiian Studies (AA, ASC)</i>	
<i>Information and Computer Science (AS, ASC, CA, CO)</i>	
<i>Natural Science (AS)</i>	

<i>Substance Abuse Counseling Program (CO)</i>	
<i>Teaching (AA, CO)</i>	

<i>Windward CC</i>	
Program and Credential	Status / Action
(None)	

<i>Maui College</i>	
Program and Credential	Status / Action
<i>Accounting (CA, AAS)</i>	<i>Completed</i>
<i>Dental Hygiene (AS)</i>	
<i>Electronic and Computer Engineering Technology (CO, CA, AS)</i>	
<i>Engineering Technology (BAS)</i>	
<i>Nursing: Associate Degree (AS)</i>	
<i>Nursing: Practical (CA)</i>	

Schedule of Program Review for Established Programs

Appendix B

Current as of June 2016

Campus	Program	Degrees (CA and higher)	Last Review	Next Review
MAN	Accounting	BBA/MAcc	2015	2020
MAN	American Studies	BA/MA/PhD	2016	2021
MAN	Animal Science	BS/MS	2015	2020
MAN	Anthropology	BA/MA/PhD	2016	2021
MAN	Architecture	DArch	2012	2018
MAN	Art & Art History	BA/BFA/MA/MFA	2016	2021
MAN	Asian Studies	BA/MA	2015	2020
MAN	Astronomy	BA/MS/PhD	2014	2019
MAN	Astrophysics	BS	2014	2019
MAN	Athletic Training	MS	New Program	2017
MAN	Atmospheric Science (formerly Meteorology)	BS/MS/PhD	2013	2018
MAN	Biochemistry	BA/BS	2014	2019
MAN	Biological Engineering	BS	2015	2021
MAN	Biological Engineering	MS	2015	2020
MAN	Biology	BA/BS	2014	2019
MAN	Biomedical Sciences (Clinical Research)	MS/PhD	2016	2021
MAN	Biomedical Sciences (Trop Med)	MS/PhD	2016	2021
MAN	Botany	BA/BS/MS/PhD	2014	2019
MAN	Business Administration	MBA/PhD	2015	2020
MAN	Cell and Molecular Biology	MS/PhD	2016	2021
MAN	Chemistry	BS	2012	2018
MAN	Chemistry	BA/MS/PhD	2014	2019
MAN	Chinese	BA	2013	2018
MAN	Civil Engineering	BS	2015	2021
MAN	Civil Engineering	MS/PhD	2012	2017
MAN	Classics	BA	2013	2018
MAN	Communication	BA/MA	2016	2021
MAN	Communication and Information Sciences	PhD	2014	2019
MAN	Communication Sciences and Disorders	MS	2014	2020
MAN	Communicology	BA/MA	2016	2021
MAN	Computer Engineering	BS	2015	2021
MAN	Computer Science	BS/MS/PhD	2014	2019
MAN	Creative Media	BA	2016	2021
MAN	Curriculum Studies	MEd	2014	2021
MAN	Dance	BA/BFA/MA/MFA	2016	2021
MAN	Dental Hygiene	BS	2015	under review
MAN	Developmental and Reproductive Biology	MS/PhD	2016	2021
MAN	Early Childhood Education	MEd	2014	2021
MAN	East Asian Languages and Lit (Chinese)	MA/PhD	2013	2018
MAN	East Asian Languages and Lit (Japanese)	MA/PhD	2013	2018

Schedule of Program Review for Established Programs

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Current as of June 2016

Campus	Program	Degrees (CA and higher)	Last Review	Next Review
MAN	East Asian Languages and Lit (Korean)	MA/PhD	2013	2018
MAN	Economics	BA/MA/PhD	2016	2021
MAN	Education	PhD	2014	2021
MAN	Educations (Teaching)	MEdT	2014	2021
MAN	Educational Administration	MEd	2014	2021
MAN	Educational Foundation	MEd	2014	2021
MAN	Educational Psychology	Med/PhD	2014	2021
MAN	Electrical Engineering	BS	2015	2021
MAN	Electrical Engineering	MS/PhD	2012	2017
MAN	Elementary Education	BEd	2014	2021
MAN	English	BA/MA/PhD	2013	2018
MAN	Entomology	MS/PhD	2015	2020
MAN	Entrepreneurship	BBA	2015	2020
MAN	Environmental Design	BEnvD	New Program	2018
MAN	Epidemiology	PhD	2015	2022
MAN	Ethnic Studies	BA	2016	2021
MAN	Ethnotbotany	BS	2014	2019
MAN	Family Resources	BS	2015	2020
MAN	Fashion Design and Merchandising (formerly Apparel Product Design and Merchandising)	BS	2015	2020
MAN	Finance	BBA	2015	2020
MAN	Food Science	MS	2015	2020
MAN	Food Science & Human Nutrition	BS	2015	2020
MAN	French	BA/MA	2013	2018
MAN	General Business	BBA	2015	2020
MAN	Geography	BA/MA/PhD	2016	2021
MAN	Geology	BA	2013	2018
MAN	Geology and Geophysics	BS/MS/PhD	2013	2018
MAN	Geoscience for Professionals	MGEO	2013	2018
MAN	German	BA	2013	2018
MAN	Global Environmental Science	BS	2013	2018
MAN	Hawaiian	BA/MA	2013	2023
MAN	Hawaiian Studies	BA/MA	2013	2023
MAN	History	BA/MA/PhD	2016	2021
MAN	Human Resource Management	BBA/MHRM	2015	2020
MAN	Information and Computer Sciences	BA	2014	2019
MAN	Interdisciplinary Studies	BA	2012	2017
MAN	International Business	BBA	2015	2020
MAN	Japanese	BA	2013	2018
MAN	Journalism	BA	2016	2021
MAN	Kinesiology and Rehabilitation Science	BS/MS	2009	2017
MAN	Korean	BA	2013	2018
MAN	Law	LLM/JD	2010	2017
MAN	Learning Design and Technology	MEd/PhD	2014	2021
MAN	Library and Information Science	MLISc	2015	2022

Schedule of Program Review for Established Programs
Current as of June 2016

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Campus	Program	Degrees (CA and higher)	Last Review	Next Review
MAN	Linguistics	MA/PhD	2013	2018
MAN	Management	BBA	2015	2020
MAN	Management Information Systems	BBA	2015	2020
MAN	Marine Biology	BS/MS/PhD	2014	2019
MAN	Marketing	BBA	2015	2020
MAN	Mathematics	BA/BS/MA/PhD	2014	2019
MAN	Mechanical Engineering	BS	2015	2021
MAN	Mechanical Engineering	MS/PhD	2012	2017
MAN	Medical Technology	BS	2013	2020
MAN	Medicine	MD	2008	2017
MAN	Microbiology	BA/BS/MS/PhD	2014	2019
MAN	Molecular Biosciences & Biotechnology	BS	2015	2020
MAN	Molecular Biosciences and Bioengineering	MS/PhD	2015	2020
MAN	Molecular Cell Biology	BS	2014	2019
MAN	Music	BA/BMus/MA/MMus/PhD	2012	2022
MAN	Natural Resources & Environmental Mgt	BS/MS/PhD	2015	2020
MAN	Nursing	BS/MS	2011	2020
MAN	Nursing	PhD	2016	2021
MAN	Nursing Practice	DNP	2014	2019
MAN	Nutrition	PhD	2015	2020
MAN	Nutritional Sciences	MS	2015	2020
MAN	Ocean & Resources Engineering	MS	2015	2021
MAN	Ocean & Resources Engineering	PhD	2013	2018
MAN	Oceanography	MS/PhD	2013	2018
MAN	Pacific Islands Studies	BA/MA	2015	2020
MAN	Phillipine Language and Literature	BA	2013	2018
MAN	Philosophy	BA/MA/PhD	2016	2021
MAN	Physics	BA/BS/MS/PhD	2014	2019
MAN	Plant and Environmental Protection Science	BS	2015	2020
MAN	Political Science	BA/MA/PhD	2016	2021
MAN	Professional Educational Practice	EdD	2014	2021
MAN	Psychology	BA/BS/MA/PhD	2016	2021
MAN	Psychology- Clinical Psychology	PhD	2014	2022
MAN	Public Administration	MPA	2016	2021
MAN	Public Health	BA/MPH	2015	2022
MAN	Public Health	DrPH/MS	2015	2022
MAN	Religion	BA	2016	2021
MAN	Religion (Asian)	MA	2016	2021
MAN	Russian	BA	2013	2018
MAN	Second Language Studies	BA/MA/PhD	2013	2018
MAN	Secondary Education	BEd	2014	2021
MAN	Social Welfare	PhD	2012	2019
MAN	Social Work	BSW/MSW	2010	2018
MAN	Sociology	BA/MA/PhD	2016	2021
MAN	Spanish	BA/MA	2013	2018
MAN	Special Education	MEd	2014	2021

Schedule of Program Review for Established Programs
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Campus	Program	Degrees (CA and higher)	Last Review	Next Review
MAN	Theatre	BA/MA/MFA/PhD	2016	2021
MAN	Travel Industry Management	BS	2015	2021
MAN	Travel Industry Management	MS	2003	2017
MAN	Tropical Plant and Soil Sciences	BS/MS/PhD	2015	2020
MAN	Tropical Plant Pathology	MS/PhD	2015	2020
MAN	Urban and Regional Planning	MURP	2013	2020
MAN	Urban and Regional Planning	PhD	2016	2021
MAN	Women's Studies	BA	2016	2021
MAN	Zoology	BA/BS/MS/PhD	2014	2019
HIL	Admin Justice	BA	2015	2020
HIL	Agriculture	BS	2015	2020
HIL	Art	BA	2016	2021
HIL	Chemistry	BS	2015	2020
HIL	Chemistry Health Sci	BA	2015	2020
HIL	Communications	BA	2012	2017
HIL	Computer Science		2011	2016
HIL	Cultural Heritage	MA	2015	2018
HIL	English	BA	2016	2021
HIL	Environmental Studies	BA/BS	2015	2020
HIL	Hawaiian and Indigenous Language Revitalization	PhD	2015	2020
HIL	Indigenous Language and Culture Education	MA	New Program	2020
HIL	History	BA	2016	2021
HIL	Marine Science	BA/BS	2016	2021
HIL	Mathematics	BA	2012	2017
HIL	Political Science	BA	2015	2020
WOA	Applied Sciences	BAS	2015	2019
WOA	Business Administration	BABA	2014	2020
WOA	Education	BED	2013	2017
WOA	Humanities	BAH	2014	2018
WOA	Public Administration	BAPA	2014	2019
WOA	Social Sciences	BASS	2014	2018
HAW	Accounting	CA/AAS	2014	2017
HAW	Administration of Justice	AS	2010	2015
HAW	Auto Body Repair & Painting	CA/AAS	2014	2017
HAW	Automotive Mechanics Technology	CA/AAS	2011	2016
HAW	Business Technology	CA/AAS	2016	2019
HAW	Carpentry	CA/AAS	2014	2017
HAW	Culinary Arts	CA/AAS	2015	2018
HAW	Diesel Mechanics	CA/AAS	2015	2018
HAW	Digital Media Arts	CA/AAS	2011	2016
HAW	Early Childhood Education	CA/AS	2014	2017
HAW	Electrical Installation and Maintenance	CA/AAS	2011	2016
HAW	Electronics Technology	CA/AAS	2014	2017

Schedule of Program Review for Established Programs
Current as of June 2016

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Campus	Program	Degrees (CA and higher)	Last Review	Next Review
HAW	Fire and Emergency Response	CA/AS	2010	2015
HAW	Hawai'i Life Styles/Hawaiian Studies	AAS	2015	2018
HAW	Hospitality	CA/AAS	2015	2018
HAW	Information Technology	CA/AS	2015	2018
HAW	Liberal Arts	AA	2015	2018
HAW	Machine, Welding & Industrial Mechanics	CA/AAS	2010	2016
HAW	Marketing	CA/AAS	2014	2017
HAW	Natural Science	AS	2011	2016
HAW	Nursing	AS	2015	2018
HAW	Practical Nursing	CA	2011	2016
HAW	Tropical Forest Ecosystem & Agroforestry	CA/AS	2014	2017
HON	Administration of Justice	AAS	2010	2015
HON	Aeronautics Maintenance Technology	CA/AS	2014	2019
HON	Architectural, Engineering and CAD Technologies	CA/AS	2012	2017
HON	Autobody Repair and Painting	CA/AAS	2013	2018
HON	Automotive Technology	CA/AAS	2010	2015
HON	Carpentry Technology	CA/AAS	2012	2017
HON	Communication Arts	CA/AS	2012	2017
HON	Computing, Electronics, and Networking Technology	CA/AS	2012	2017
HON	Cosmetology	CA/AAS	2011	2016
HON	Diesel Mechanics	CA/AS	2013	2018
HON	Early Childhood Education	CA/AS	2013	2018
HON	Electrical Installation and Maintenance Technolgoy	CA/AAS	2011	2016
HON	Fashion Technology	CA/AAS	2011	2016
HON	Fire	CA/AAS	2011	2016
HON	Human Services	CA/AAS	2014	2019
HON	Liberal Arts	AA	2012	2017
HON	Music Entertainment	AS	2014	2019
HON	Occupational and Environmental Safety Management	CA/AS	2010	2015
HON	Refrigeration and AC Technology	CA/AAS	2013	2017
HON	Sheet Metal and Plastics Technology	CA/AAS	2011	2016
HON	Small Vessel Fabrication and Repair	CA/AAS	2014	2019
HON	Welding	CA/AAS	2010	2015
KAP	Accounting	AS	2013	2016
KAP	Biotechnician	CA	2013	2016
KAP	Culinary Arts	AS	2013	2016
KAP	Dental Assisting	CA	2013	2016
KAP	Educational Paraprofessional	AS	2013	2016
KAP	Exercise and Sports Science	AS	2013	stopped out
KAP	Hawaiian Studies	AA	approved 2014	2016

Schedule of Program Review for Established Programs
Current as of June 2016

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Campus	Program	Degrees (CA and higher)	Last Review	Next Review
KAP	Hospitality/Travel & Tourism	AS	2013	2016
KAP	Information Technology	AS	2013	2016
KAP	Liberal Arts	AA	2013	2016
KAP	Marketing	AS	2013	2016
KAP	Medical Assisting	AS	2013	2016
KAP	Medical Laboratory Technician	AS	2013	2016
KAP	Mobile Intensive Care Tech	AS	2013	2016
KAP	Natural Science	AS	2013	2016
KAP	New Media Arts	AS	2013	2016
KAP	Nursing: Associate Degree	AS	2013	2016
KAP	Nursing: Practical Nursing	CA	2013	2016
KAP	Occupational Therapy Assistant	AS	2013	2016
KAP	Paralegal	AS	2013	2016
KAP	Physical Therapist Assistant	AS	2013	2016
KAP	Radiologic Technologist	AS	2013	2016
KAP	Respiratory Care Practitioner	AS	2013	2016
KAU	Accounting	CA/AS	2013	2018
KAU	Auto Body Repair and Painting	CA/AS	2014	2019
KAU	Business Technology	CA/AAS	2013	2018
KAU	Carpentry Technology	CA/AAS	NA	2017
KAU	Culinary Arts	CA/AAS	ACF Accreditation: March 2010	2017
KAU	Early Childhood Education	CA/AAAS	Not completed, new instructor and preschool stop-out 2014	2015
KAU	Electrical Installation and Maintenance	CA/AAS	NA	2017
KAU	Electronics Technology	CA/AS	2013	2018
KAU	Facilities Engineering Technology	CA/AS	not completed 2013, no instructor	2018
KAU	Hawaiian Studies	AA	2015	2020
KAU	Hospitality and Tourism	CA/AAS	2011	2016
KAU	Liberal Arts	AA	2010	2015
KAU	Natural Science	AS	NA	2015
KAU	Nursing	CA/AAS	NLN Accreditation Feb 2009	2017
LEE	Accounting	AS, CA	2012	2016
LEE	Automotive Technology	AAS, CA	2012	2016
LEE	Business Technology	AS, CA	2012	2016
LEE	Culinary Arts	AS, CA	2012	2016
LEE	Digital Media Production	AS, CA	2011	2016
LEE	Hawaiian Studies	AA	New Program	2016
LEE	Health Information Technology	AS, CA	New Program	2016
LEE	Information & Computer Science	AS, CA	2015	2019
LEE	Liberal Arts	AA	2011	2015

Schedule of Program Review for Established Programs
Current as of June 2016

Appendix B

Campus	Program	Degrees (CA and higher)	Last Review	Next Review
LEE	Management	AS, CA	2012	2016
LEE	Natural Science	AS	New Program	2019
LEE	Plant Biology & Tropical Ag	AS, CA	New Program	2017
LEE	Teaching	AA	2015	2019
LEE	Television Production	AS, CA	2012	2016
MAU	Accounting	AAS	2014	2015
MAU	Administration of Justice	AAS	2014	2015
MAU	Agricultural and Natural Resources	AAS	2014	2015
MAU	Applied Business and Information Technology	BAS	2014	2015
MAU	Auto Body Repair and Painting	AAS	2014	2015
MAU	Automotive Technology	AAS	2014	2015
MAU	Business Careers	AAS	2014	2015
MAU	Business Technology	AAS	2014	2015
MAU	Dental Hygiene	AS	2014	2015
MAU	Early Childhood Education	AS	2014	2015
MAU	Electronic and Computer Engineering Technology	AS	2014	2015
MAU	Hawaiian Studies	AA	2014	2015
MAU	Human Services	AS	2014	2015
MAU	Information Processing Speciality	AAS	2014	2015
MAU	Liberal Arts	AA	2014	2015
MAU	Medical Assistant II	AAS	2014	2015
MAU	Culinary Arts	AAS	2014	2015
MAU	Fashion Technology	AAS	2014	2015
MAU	Hospitality and Toursi	AAS	2014	2015
MAU	Natural Science	AS	2014	2015
MAU	Nursing	AS	2014	2015
MAU	Susatinable Construction Technology	AAS	2014	2015
MAU	Sustainable Science Management	BAS	2014	2015
WIN	Agripharmtech	CA	2014	2019
WIN	Hawaiian Studies	AA	2014	2019
WIN	Liberal Arts	AA	2011	2016
WIN	Natural Sciences	AS	2014	2019
WIN	Veterinary Assisting	CA	2014	2019
WIN	Veterinary Technology	AS	2014	2019

****NOTE:** All UH Community Colleges do an annual report of program data which is available online at:
<http://www.hawaii.edu/offices/cc/arpd/index.php>

Major Description			Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
Campus	Degree Level																				
UH Manoa																					
	Baccalaureate																				
		Geology	10	14	10	8	8	8	9	4	3	2	1	3	2.0	2.0		19.4	UHM is ranked top 20-40 in Geoscience in 3 major international surveys. We're the only provider of workforce in geotechnical science in Hawaii. Alumni are employed in private/government and NGO offices throughout Hawaii and the Pacific. Undergraduate courses support general education, generating almost 1500 SSH/year. A revamped curriculum was recently introduced and enrollment is climbing.	1, 2, 3, 4	
		Classics	7	9	6	9	10	11	15		2	5	1	3	2.7	3.0		24.9	The program was recently revamped to increase course options, and flexibility. These efforts have revitalized the program and increased majors. In just three years, Classics has increased from 8 to 23 majors; 17 are primary majors—6 are double majors. Please note the rather large, average class size of 24.9 students.	1, 2, 3, 4, 5, 6	
		Molecular Biosciences & Biotech	17	12	12	18	15	22	22	2	2	2	4	4	2.7	3.3		28.3	Majors grew from 18 to 26 (2015 to 2016), which is expected to increase degrees awarded. We launched a Facebook site, revamped the UH-MBB website, made a recruitment video, participated in Fall and Spring Manoa Experiences, and the Pilot Project to grow programs; outreached to UH Advisors and to high school counselors.	1, 2	
		Russian	3	3	3	8	10	7	4			4	5	2	3.0	3.7		7.3	Recruiting efforts have increased Russian majors from 3 to 10. The curriculum was revised to increase flexibility. Connections have been established with both ROTC programs. Russian Club activities attract new majors. Wiswell Scholarships support students on the Vladivostok exchange program.	2, 3, 4, 5, 6	
		Medical Technology	20	8	10	10	14	9	12	2	2	4	8	1	4.7	4.3		4.0	The program is a career-ladder 2+2 format, and the Department works closely with KCC, which has an accredited MLT program. This year, the Department created a second-degree pathway for those who have already earned a bachelor's degree. This will increase enrollment and address the critical shortage in clinical lab professionals.	1, 2	
		Botany	31	27	42	35	32	27	32	6	7	4	5	5	5.3	4.7		23.5	Curriculum modification proposals for the BA and BS Botany degrees were submitted and approved in the 2015-2016 academic year, and these changes are now coming into effect. Both degrees have been modified to reduce the number of required courses and increase elective opportunities, making them more straightforward.	2	
		Pacific Islands Studies			2	7	14	20	13	1	1	1	10	4	4.0	5.0		18.9	We've developed new courses that fulfill focus and general education requirements. New majors are recruited through showcase opportunities and at student-led Open House. Faculty visit PACS 108 classes at other UH System campuses to recruit transfers. We've created new concentration-related internships for juniors and seniors, and developed new overseas partnerships.	1, 2, 3, 4, 5, 6	
		Atmospheric Sciences	25	20	19	21	18	31	21	5	5	2	7	8	4.7	5.7		13.9	The program is internationally distinguished and serves critical needs: training hurricane forecasters, predicting hazardous vog, and assessing impact of climate change. ATMO101 and ATMO101L fulfill General Education requirements. We are engaged with Oceanography to merge our undergraduate program with Global Environmental Science.	1, 2, 3, 4	
		Philippine Lang and Lit	15	17	9	8	8	10	7	5	3	6	9	4	6.0	6.3		16.4	IPLL is the only source of teachers of Philippine languages in the Hawai'i public schools. We train people who can translate Philippine languages for the TSA, the hospitals, the courts and police, as well as social services. Both legal and medical interpreting (vital in Hawai'i) require special training that only IPLL provides.	1, 2, 3, 4, 5, 6	
		Biological Engineering	34	30	33	31	43	47	57	4	5	5	8	7	6.0	6.7		9.6	The BENG was recently reaccredited by ABET for 6 years with acknowledgement of its active outreach and student recruitment efforts, strong student advising and a well designed curriculum to improve student retention, student achievement, and number of graduates. BENG will reinitiate discussions with the College of Engineering to further increase the number of graduates.	1	
		Dance	38	39	40	36	27	35	25	12	8	7	6	7	7.0	6.7		12.4	The undergraduate Dance program is the sole degree-granting entity in the state. General Education Dance offerings enhance the UH mission. We are actively recruiting by visiting pertinent local high schools, social media outreach, and a new website aimed at national and international candidates.	2	
		German	8	11	8	11	17	12	22	2	3	8	3	9	4.7	6.7		14.0	The German curriculum was restructured for flexibility. Faculty helped establish a \$200,000 endowment for scholarships. The number of officially declared majors has increased from 8 to 25. The number of graduates has increased from 4.7 to 6.7 average when comparing the 2013-2015 and 2014-2016 data. In 2015-2016, graduates increased to 9.	2, 3, 4, 5, 6	

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Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Physics	33	45	66	67	59	64	66	7	5	6	5	12	5.3	7.7			30.7	The Physics BA curriculum was revised to provide a strong interdisciplinary component, and we expect to attract more students with interests in related fields. We continue to seek exposure through outreach activities such as the UH Physics Open House, and several of our best students are from local high schools.	5
		Geology & Geophysics	32	32	33	37	32	41	40	10	4	5	7	15	5.3	9.0			19.4	UHM is ranked top 20-40 in Geoscience in 3 major international surveys. We're the only provider of workforce in Geotechnical science in Hawaii. Alumni are employed in private/government and NGO offices throughout Hawaii and the Pacific. Undergraduate courses support general education, generating almost 1500 SSH/year. A revamped curriculum was recently introduced and enrollment is climbing.	1, 2, 3, 4
		French	26	31	29	34	32	35	27	10	7	7	10	12	8.0	9.7			16.1	We currently have 21 majors, complemented by a larger number of Certificate students. The BA was recently updated, which will attract more majors. Majors are recruited and supported with scholarships to study in Annecy, Anger and Paris. The number of graduates increased from an average of 8 to 9.7 students/year when comparing the 2013-2015 and 2014-2016 data.	1, 2, 3, 4, 5, 6
		of Manoa Baccalaureate Programs																			
		Molecular Cell Biology‡			13	41	61	59	75	3	3	14	11	14	9.3	13.0			9.7		
	Master																				
		Food Science	4	4	1	3	5	4	4	1		2	1	2			1.2	1.2	N/A	We have developed a 3+2 Master degree program with 4 prestigious foreign universities, which allows high performing students to obtain a BS from their home institutions and an MS in Food Science at Manoa. We expect more students under the 3+2 agreements to enter our program in 2017.	1
		Biological Engineering	8	5	3	4	6	4	8	2	1	2	1	2			1.6	1.6	6.0	We continue to send emails and distribute brochures announcing RAShips/other scholarship/fellowship opportunities in our program in the Asia Pacific region. Concurrently, we highlight graduate studies opportunities during research presentations at various international universities.	1
		Art History	6	9	6	4	4	7	9	6	1		1	1			1.8	1.8	6.5	Art History is vital to the university's mission in the study of Asia and the Pacific. It is cost-efficient and functions annually with two seminars + 4 GAShips who serve average ENR 351 / SSH 1053.	4
		East Asian Lang & Lit-Chinese	5	6	5	4	5	7	7	2		1	2	4			1.2	1.8	3.8	We are combining our graduate programs into two – MA in EALL and PhD in EALL, with a variety of language areas and disciplinary paths to those degrees. We anticipate that this will be complete within this academic year. This should bring the average well over three per year.	3
		Biomed Sci (Tropical Medicine)	7	5	6	8	6	8	8	2	3		3	3			1.6	2.2	8.6	Per the 2016 Graduate Program Review statement by external reviewers: "Given the sharing of curriculum and other resources across programs, for the purposes of the UHM small program valuation, the TM MS and PhD programs should be treated as a single program." The combined MS and PhD 2012-16 five-year average is 4.6.	1,2,3,5
		Cell & Molecular Biology	7	7	5	4	2	2	5	4	4	2	1				2.4	2.2	5.2	CMB MS students conduct research and teach at the community colleges and high schools. Program size will be increased by advertising at UH and nationally at scientific meetings and using an updated webpage. Faculty will participate in undergraduate science events and career fairs locally and on the neighbor islands.	1, 2, 5
		Tropical Plant Pathology	5	6	4	1	7	9	13	3		1	2	6			1.6	2.4	8.7	The program meets state, national, and international needs in the prevention and management of tropical plant pathogens. All program graduates find employment in the field. Our core curriculum facilitates timely graduation and meets needs of employers. Our program has made steady progress towards an annual cohort of 12 students each fall semester.	2
		Hawaiian	25	19	19	24	26	20	17	4		7	2	1			2.8	2.8	4.6	The new department chair and new grad chair will focus on recruitment, time to degree completion, and faculty capacity.	2, 3
		Chemistry	9	10	12	12	7	8	11	1	8	2	1	3			2.8	3.0	8.1	Chemistry graduate students serve as TAs for 120 sections of General and Organic Chemistry Lab totaling >2500 SSH each year. However, graduate students must be mentored by research-active faculty. To increase program size, we will recruit additional tenure-track faculty essential to support a larger number of productive graduate students.	2

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			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Microbiology†	14	15	18	14	11	9	5	3	5	3	2	2			3.4	3.0	3.0	The state needs graduate level microbiologists to work in both public and private laboratories. State labs monitor water quality, imports of animals, plants and microbes (quarantine, for consumption, for cultivation), and in hospitals and clinical laboratories. Some students use the microbiology graduate degree to enter MD and DDS/DMD programs.	2
		13% of Manoa Master Programs																			
		<i>Biomedical Sciences‡</i>	10	6	11	9	13	13	7	5	3	1	1	6			2.4	3.2	5.8		
		<i>Entomology‡</i>	8	11	11	10	11	12	13	6	2	2	2	5			2.4	3.4	8.7		
		Doctorate																			
		Theatre	13	13	12	13	11	9	13	1	1						0.8	0.4	3.7	The Asian focus doctorate is internationally renowned. Intentionally small, the program is cost-effective; Asian theatre faculty and graduate assistants lead undergraduate education and scholarship. Graduates hold leading academic and professional positions. Increased recruitment through an added Performance Studies track, new website, social media, and in-person recruitment by faculty should increase enrollment.	3
		Entomology	7	7	5	4	2	5	4	2		2					1.4	0.8	8.7	Our program is largely sustained through faculty providing graduate research assistant support to students on grants they have obtained. (Some students have their own support.) We currently have four tenure-track faculty members, which has caused a temporary bottleneck in availability of grant funds. Once two vacancies are filled, we can attract larger numbers of students.	2
		Nutrition	2	3	3	5	4	5	4			1	2	1			0.6	0.8	N/A	Time to graduation has been about three years, meeting our goal. We are actively recruiting, applying for and acquiring funding, and reinvigorating the program information, partnerships and curriculum. This is a growing program, with graduates trained to address health-related issues in Hawaii. The hosting department is working to replace faculty lost to retirement and career change.	1, 2
		East Asian Lang & Lit-Chinese	15	9	10	8	9	12	11	4	1						1.4	1.0	3.8	We are combining our graduate programs into two – MA in EALL and PhD in EALL, with a variety of language areas and disciplinary paths to those degrees. We anticipate that this will be complete within this academic year. This should bring the average well over three per year.	3
		Developmental & Reprod Biology	9	8	6	7	9	9	9		2	1	2	1			1.4	1.2	2.3	DRB is a nationally and internationally unique graduate program with specific focus integrated into a cutting-edge UH research unit, Institute for Biogenesis Research. The number of admissions is purposely kept small to maximize financial support and mentorship for matriculating students. High faculty priority is directed as securing graduate assistantships through grants, contracts, and scholarships to increase admissions.	3
		Tropical Plant Pathology	4	8	6	5	3	4	7	3	1	1	1				1.2	1.2	8.7	The program meets state, national, and international needs in the prevention and management of plant pathogens. All graduates secure employment in the field. Our PhD students are supported with extramural grants. The program requires laboratory access, greenhouse space, and faculty time which constrains the size.	2
		Epidemiology	4	7	10	15	15	15	14		1	2	3	1			1.6	1.4	11.9	The first doctoral-candidate cohort matriculated in 2011, thus the 5-year graduation rates are misleadingly low as coursework, exams, and research take 4+ years. Our accrediting agency increased from 30 to 42 the minimum number of credits, extending time to graduation. Nevertheless, 4-5 candidates are expected to graduate this academic year.	1
		Ocean & Resources Engineering	11	12	13	13	11	9	6	2		3	2				2.0	1.4	2.7	The ORE program serves state, national and international needs. Our research underpins the Hawaii tsunami evacuation strategy. Local companies provide internships (validating a workforce shortage). Our PhD requires few resources to maintain and supports our MS. We provide internationally ranked student-centered research opportunities. Planned increases in program flexibility and visibility will increase enrollment.	1, 2, 3, 4

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			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Biomedical Sciences	6	6	8	5	3	7	7	2	2	2	1	1			1.6	1.6	5.8	The program was reviewed over the previous academic year. Per the recommendations of the external review team, the department plans to stop-out admission to the program in order to make structural and curricular changes that will address issues raised by the team and increase enrollment in the program.	2, 3
		Urban & Regional Planning	28	27	28	28	26	24	21	1	1			6			0.6	1.6	8.8	We are the only PhD granting institution in Hawaii that provides degrees in urban and regional planning. Over the past fiscal year (2016), 6 students completed the doctoral program. We are increasing our efforts to recruit high quality doctoral students, and find financial support for their programs.	1
		Computer Science	20	20	25	24	18	20	19	2	1	1	3	2			2.0	1.8	10.5	The original BOR approved goal for the Ph.D. in Computer Science was to produce 2-3 graduates/year. With small numbers, fluctuations are to be expected. FYs 2013 and 2014 graduates were low at 1, but FYs 2015 and 2016 are back up to 3 and 2 respectively. Therefore no action is contemplated.	2
		Mechanical Engineering	14	10	9	14	12	17	12	1	2		3	3			2.2	1.8	9.4	The huge increase in ME undergraduate students coupled with loss of ME faculty (resignations) have negatively impacted the undergraduate, graduate and research programs. Faculty are being hired, and additional faculty lines are being requested. This will strengthen all three above programs in ME, including the PhD program.	1
		Tropical Plant & Soil Sciences	9	8	10	10	11	9	7	3	1	1	2	2			1.4	1.8	6.5	Faculty retirements along with a few new hires who are securing increased research funding should allow the TPSS program to offer new assistantships to increase student numbers. Alternate funding for students is being sought to replace the loss of the Monsanto Fellowships.	1, 2, 3
		East Asian Lang & Lit-Japanese	22	19	18	21	22	20	18	4			5	1			2.0	2.0	7.4	We are combining our graduate programs into two -- MA in EALL and PhD in EALL, with a variety of language areas and disciplinary paths to those degrees. We anticipate that this will be complete within this academic year. This should bring the average well over three per year.	3
		Music	15	21	24	24	22	27	26	3	1	1	1	4			1.6	2.0	4.8	The Ph.D. program is efficient for the size of the faculty and scope of content, as highlighted in 2016 Program Review. The Asia-Pacific component of this degree (especially for Ethnomusicology and Composition) resonates with the UHM mission.	3
		Physics	19	25	29	38	40	39	38	2	1	2	3	3			3.0	2.2	4.4	Following a successful proposal to the American Physical Society (APS), the Department is now a Partnership Institution in the APS Bridge Program, which we joined to strengthen our recruiting efforts. Benefits include access to the student applicant database; endorsement of our program to underrepresented minority students, and public recognition of our commitment to diversity in physics.	3
		Social Welfare	16	18	22	24	21	20	15	1	2	2	3	3			1.6	2.2	17.6	In the past two years, PhD SWEL has graduated three students per year. In the current academic year (2016-17), 4 candidates are projected to defend their dissertations. Growth and improvement plan foci: 1) degree's relevance and marketability in meeting changing national and global social welfare needs; and 2) increase enrollment and graduation rates, over the next 3-4 years.	2
		Atmospheric Sciences	16	15	18	19	21	23	18	2	1	2	5	2			2.2	2.4	6.4	Internationally distinguished as documented by honors and research awards to faculty; the program serves to create future academic, research, and business leaders in the varied and critical disciplines touched by the atmospheric sciences, including hazardous weather prediction, air pollution dispersion modeling, climate change modeling, renewable energy resource assessment, etc.	1, 2, 3, 4
		Biomed Sci (Tropical Medicine)	15	13	10	13	10	9	13	5	1	2	3	1			2.8	2.4	8.6	Per the 2016 Graduate Program Review statement by external reviewers: "Given the sharing of curriculum and other resources across programs, for the purposes of the UHM small program valuation, the TM MS and PhD programs should be treated as a single program." The combined MS and PhD 2012-16 five-year average is 4.6.	1,2,3,5
		Microbiology	16	15	16	17	14	7	13	1	3	3	5				2.8	2.4	3.0	The state needs graduate level microbiologists to work in both public and private laboratories. State labs monitor water quality, imports of animals, plants and microbes (quarantine, for consumption, for cultivation), and in hospitals and clinical laboratories. Some students use the microbiology graduate degree to enter MD and DDS/DMD programs.	2

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		Chemistry	29	29	25	27	30	30	27	2	2	2	3	4			2.6	2.6	8.1	Chemistry graduate students serve as TAs for 120 sections of General and Organic Chemistry Lab totaling >2500 SSH each year. However, graduate students must be mentored by research-active faculty. To increase program size, we will recruit additional tenure-track faculty essential to support a larger number of productive graduate students.	5
		Geography†	27	21	20	18	18	20	24	1	5	2	3	2			3.4	2.6	6.0	We are monitoring more closely the progress of our doctoral students toward degree completion, and expect to achieve good results. We have increased our recruiting efforts, and have had our largest incoming class of doctoral students in recent years. We expect to graduate more students in the next 2-4 years.	2
		Mathematics	22	22	31	29	27	29	26	1	2	2	5	4			2.6	2.8	7.6	Teaching assistants, which come from our graduate students, are required for our undergraduate classes. The Math Department teaches the most SSH of any UHM department and is essential for UH's STEM programs. We also supply many of the math faculty for the UH community colleges.	2
		East Asian Lang & Lit-Korean†	20	24	25	29	24	20	19	3		8	2	2			3.2	3.0	6.0	We are combining our graduate programs into two – MA in EALL and PhD in EALL, with a variety of language areas and disciplinary paths to those degrees. We anticipate that this will be complete within this academic year. This should bring the average well over three per year.	3
		Educational Psychology	20	22	26	29	29	29	31	3	4	3	2	3			3.0	3.0	10.8	Educational Psychology is the only educational psychology program in the state. The Department addresses State workforce needs in education, testing and research. Educational Psychology graduates hold leadership roles in the State and the University as well as across the U.S as researchers, university faculty, test developers and administrators.	2
		49% of Manoa Doctorate Programs																			
		Civil Engineering‡	20	16	19	17	20	17	13	4	3	2	3	5			2.6	3.4	7.5		
		American Studies‡	41	42	45	43	41	42	42	2	8	2	2	4			3.0	3.6	7.0		
UH Hilo																					
		Baccalaureate																			
		Liberal Studies	6	5	5	2	4	6	5	5	3	4	3	2	3.3	3.0				Customizable bachelor's degree for students. This program includes the Community Health Education and Health Care Administration pre-approved tracks.	6
		Physics	9	11	14	14	16	29	29	6	2	3	2	5	2.3	3.3			18.4	Over 65% of courses taught go towards general education requirements.	4, 5
		Environmental Science	41	51	58	58	51	55	59	10	10	4	8	3	7.3	5.0			31.5	Obtained established status in Spring 2015, anticipated enrollment increase over the next few years.	2, 4, 5
		Natural Science	14	20	20	16	20	22	17	7	4	7	7	4	6.0	6.0				Degree trains graduates in the field of science education and prepares for post-baccalaureate programs to obtain Hawaii state teaching license.	1, 2
		Astronomy	44	44	48	44	40	40	46	6	2	6	5	8	4.3	6.3			19.0	Over 65% of courses offered go towards general education requirements.	4, 5
		Chemistry	73	74	77	93	90	106	79	9	7	6	6	7	6.3	6.3			27.8	Over 65% of courses offered go towards general education requirements. Additionally, this program offers a certificate in Pre-Pharmacy with the intent of having more students complete the bachelors before heading to the College of Pharmacy.	4, 5
		Mathematics	35	39	40	42	37	47	45	8	8	6	8	7	7.3	7.0			22.3	Over 65% of courses offered go towards general education requirements.	4, 5
		Geography	40	37	27	21	18	22	22	16	6	9	9	6	8.0	8.0			19.7	Recently added Environmental Studies track thus anticipating an enrollment increase over the next few years.	4, 5
		Performing Arts	56	53	54	46	39	51	49	10	10	8	9	9	9.0	8.7			9.9	This program has recently been redesigned enabling students a smoother path for graduation	4
		Geology†	31	31	35	42	48	44	33	7	14	8	10	11	10.7	9.7			19.5	Over 65% of courses offered go towards general education requirements.	3, 4
		30% of Hilo Baccalaureate Programs																			
		Environmental Studies‡	30	30	30	35	36	44	54	2	4	3	13	14	6.7	10.0			31.5		
		Computer Science‡	82	105	90	102	95	101	107	9	8	13	7	10	9.3	10.0			15.0		
		Philosophy‡	29	23	19	18	24	37	31	7	5	9	8	14	7.3	10.3			23.0		
		Master																			
		Hawaiian Language & Literature	12	21	16	16	12	10	8		6	3		1			1.8	2.0	4.5	This program is offered on a cohort schedule, admitting every 2-3 years.	2, 3

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Major Description			Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments		
Campus	Degree Level		2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*	
		20% of Hilo Master Programs																				
		Indigenous Lang & Culture Educ†	9	4	3	5	6	9	9	4		6		9				2.0	3.8	5.3		
		Doctorate																				
		Hawn&Indigenous Lang&Cult Rev	4	4	3	2	5	5	13	1	1							0.6	0.4	5.3	This program is offered on a cohort schedule, admitting every 3-5 years.	2, 3
		100% of Hilo Doctorate Programs																				
Hawai'i CC																						
		Certificate																				
		Marketing	1	1	1	2	1	2	1			1		2	0.3	1.0			9.2	1. The Marketing Program will begin offering Management courses and will change to a Marketing and Management Degree (to be developed Spring 2017 - Spring 2018). This is being done in response to industry's need for individuals employed in Management to have an understanding of Marketing since a lot of organization merge the two positions to save money. 2. Program faculty will be working on applying for various grants to fund a learning lab for students (to be done Spring 2017-Spring 2018). This learning lab is a business already in development that includes a recording studio, cafe, and comic book store. Under the direct supervision of faculty, students will be in charge of the hiring, scheduling, promotions, employee assessments, employee management, customer service, and commercial editing for advertising. Students will rotate responsibilities based on the courses with which they are enrolled and will move to other responsibilities as they progress in the program. 3. Program faculty will be working on applying for various grants to fund classroom pods complete with computers, work desks, and supplies that mirror those of industry to encourage group cohesion and industry preparedness. 4. The program will be researching names that are more representative of the altered curriculum and petition for a name change that reflects actual employment positions in industry. The current name of the program does not communicate to students clearly the positions with which they are being trained. Having a name that better aligns with an industry position (like Management or Supervision or Marketing Management or Small Business Management) would attract more individuals looking for employment.		
		Architectural Eng & CAD Tech							6				3	4	1.0	2.3			8.6	The AEC program has 5 graduation options. With intake of students occurring once a year, this splits the amount of students graduating in each category with the results of having low graduation counts in CA.		
		Trop Forest Ecosys & Agro Mgt	1	1	1		1		1			2	3	6	1.7	3.7			9.3	The TEAM program is actively recruiting at high schools to increase enrollment. AS students previously had to apply to receive the CA. With our new automatic granting of certificates and degrees as the coursework is finished, we expect to see the number of CA reciepts continue to grow. The CA is a subset of the AS degree and, as such, any student getting an AS can get the CA along the way. A stand-alone CA is not common to get but for a few students this degree is all that they need. The program was designed to fill a recruitment need for local students in entry-level conservation biology and natural resources management positions in the County and in the State as well as to prepare students for further study in natural resouces management, forestry and conservation biology. There is a workforce shortage of qualified local applicants, natural resource management is a state need, and students from this program are representing UH in national meetings where they are presenting posters and talks on internship research they have conducted.		

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Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY							3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16			Fall 2015	Plans to Address	Justification*
		Agriculture	2	2	1	1	2	2	1	1	1	1	7	3	3.0	3.7					9.3		
		Hospitality and Tourism	1	2	2	3	2	3	2	1		3	1	8	1.3	4.0					12.1	We are in the process of reviewing the entire curriculum including the CA. Our long-time Host faculty recently retired and we are in the process of hiring a new faculty. This is a perfect opportunity to revamp the program including the certificates offered.	
		Early Childhood Education	1	2	6	2		10	7	1		2	2	9	1.3	4.3					11.8		
		Business Technology	2	3	7	2	2	3	2	2	2	5	6	3	4.3	4.7					12.6	Currently working with a professional organization, International Association of Administrative Professionals (IAAP), to bring more rigor and relevance to program so it is seen as a degree of value. Reviewing course offerings with the intent to modify program to meet current and future needs of the industry. In order to address the current lower enrollment numbers, the program has adjusted the number of sections being offered per year. Some courses are being offered once a year. Advisory council, including members from County of Hawaii HR and Hilo Medical Center HR indicate that they still have a need for trained administrative professionals. It is still a need for our county. Some of the courses in BTEC meet requirements for other degrees. (Marketing and Accounting)	
		Auto Body Repair & Painting	1	2	1	1	4	10	6	6	3	4	7	4	4.7	5.0					13.5	The ABRP program is currently in the process of deleting 2 Certificates of Completion. The ABRP program has 4 graduation options. 2 Certificate of Completion, AAS and CA. With intake of students occurring once a year, this splits the amounts of students graduating in each category with the results of low graduation rate in CA.	
		Information Technology		1		1	2	2	2	2	1	5	1	10	2.3	5.3					10.6	Major count is steadily rising. Reduction in faculty to one full-time person limits flexibility and program size. Math requirement is a barrier to program entry and completion, there is workforce shortage in this area, and this is a rigorous program with series of courses with several prerequisites.	
		Accounting	2	7	4	6	4	7	5		1	2	3	13	2.0	6.0					14.1	Need to review the data since Associate degree data is satisfactory and all certificate courses are required for the Associate degree.	
		Practical Nursing	39	53	54	43	32	42	31	10	8	9	7	10	8.0	8.7					20.5	No plans to expand at this time. Program accepts 10 students annually. Those 10 students minus attrition complete in 11 months. A new cohort group is admitted annually. There is a mandated instructor to student ratio of 1:10.	
		Carpentry Technology	2		2	2	4	7	9		8	8	7	13	7.7	9.3					14.3	The Carpentry program has 2 graduation options. AAS and CA. With intake of students occurring once a year, this splits the amount of students graduating in each category with the results of having a low graduation rate in CA. The Carpentry program historically enjoys a maximum student fill rate.	
		71% of Hawaii Certificate Programs																					
		Diesel Mechanics†	1		1			6	5	5	1	13		20	4.7	11.0					20.0		
		Fire Science‡	2	3	3	4	4	2	5	2	2	6	11	32	6.3	16.3					20.1		
		Associate																					

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Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Natural Science						20	46					3	-	1.0			N/A	We are continuing to attract new students. This is a very new program and is continuing to grow, it has doubled in the year since it first admitted students. The program is designed to facilitate transfer to 4-year degrees and to fill workforce needs in STEM fields. It provides courses to meet gen ed requirements, provides courses that meet requirements for other degrees and is an essential component of a liberal arts degree. STEM education is a UH priority.	
		Electronics Technology	18	25	15	15	21	11	4	1	5	2	5	2	4.0	3.0			2.0	The Electronics program is currently in a re-building process. Curricular changes are currently in the review and approval process. This is to reflect current industry changes. The program needs reasonable time to implement and develop the new curricular changes.	
		Trop Forest Ecosys & Agroforestry Mgt	46	63	52	36	37	29	25	7	3	4	4	4	3.7	4.0			9.3	The TEAM program is actively recruiting at high schools to increase enrollment. We have recently worked with two other programs to open our trigonometry course to their students and plan to revamp 2 or more of our courses to open them to students from other majors. We are working with administration and colleagues to articulate the program with compatible UHH 4-year programs. The program was designed to fill a recruitment need for local students in entry-level conservation biology and natural resources management positions in the County and in the State as well as to prepare students for further study in natural resources management, forestry and conservation biology. We continue to work with Federal, State, and private organizations and have a nearly 100% placement of TEAM graduates into either the workforce or transfer to a 4-year program. There is a workforce shortage of qualified local applicants, natural resource management is a state need, and students from this program are representing UH in national meetings where they are presenting posters and talks on internship research they have conducted. STEM education is a national priority. We offer at least one course that is utilized by other programs' students.	
		Architectural Eng & CAD Tech	59	60	45	41	33	26	43	10	9	6	2	8	5.7	5.3			8.6	The AEC program is currently in a re-building process. Curricular changes are currently in the review and approval process. This is to reflect current industry changes. The program needs reasonable time to implement and develop the new curricular changes. AEC has 5 graduation options. 3 Certificates of Completion, AAS and CA. With intake of students occurring once a year, this splits the amount of students graduating in each category. This results in low counts for each category. The AEC program is currently enjoying near maximum student fill rate.	

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Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Marketing	29	31	31	29	26	27	32	8	4	8	7	2	6.3	5.7			9.2	<p>1. The Marketing Program will begin offering Management courses and will change to a Marketing and Management Degree (to be developed Spring 2017 - Spring 2018). This is being done in response to industry's need for individuals employed in Management to have an understanding of Marketing since a lot of organization merge the two positions to save money.</p> <p>2. Program faculty will be working on applying for various grants to fund a learning lab for students (to be done Spring 2017-Spring 2018). This learning lab is a business already in development that includes a recording studio, cafe, and comic book store. Under the direct supervision of faculty, students will be in charge of the hiring, scheduling, promotions, employee assessments, employee management, customer service, and commercial editing for advertising. Students will rotate responsibilities based on the courses with which they are enrolled and will move to other responsibilities as they progress in the program.</p> <p>3. Program faculty will be working on applying for various grants to fund classroom pods complete with computers, work desks, and supplies that mirror those of industry to encourage group cohesion and industry preparedness.</p> <p>4. The program will be researching names that are more representative of the altered curriculum and petition for a name change that reflects actual employment positions in industry. The current name of the program does not communicate to students clearly the positions with which they are being trained. Having a name that better aligns with an industry position (like Management or Supervision or Marketing Management or Small Business Management) would attract more individuals looking for employment.</p>	
		Agriculture	26	35	34	44	32	41	26	2	4	6	8	4	6.0	6.0			9.3	<p>The Agriculture program is currently in a re-building process. Curricular changes are currently in the review and approval process. This is to reflect current industry changes.</p> <p>The program needs reasonable time to implement and develop new curricular changes. The Agriculture program is currently enjoying a maximum student fill.</p>	
		Information Technology	33	34	39	41	49	37	40	1	8	6	4	9	6.0	6.3			10.6	<p>Some of the positives is the workforce shortage (high placement rates for graduates) in this area and the IT major count is steadily rising. Some of the challenges include the reduction in faculty to one full time person that limits flexibility and program size, the math requirement seems to be a barrier to program entry and completion, and the rigor of the program is a real barrier for some students.</p> <p>Request for additional faculty member. Continue recruitment effort.</p>	
		Auto Body Repair & Painting	44	42	43	46	39	31	29	8	7	6	8	6	7.0	6.7			13.5	<p>The Auto Body Repair and Painting program is currently in a re-building process. Curricular changes are currently in the review and approval process. This is to reflect current industry changes. 2 Certificates of Completion are also in the process of being deleted.</p> <p>The program needs a reasonable time to implement and develop new curricular changes. The program has 4 graduation options. 2 Certificate of Completion, CA and AAS. With intake of students occurring once a year, this splits the number of graduates in each category resulting in low counts. The ABRB program historically enjoys maximum student fill rate and is currently enjoying near maximum fill rate.</p>	

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Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Hospitality and Tourism	26	38	43	52	43	32	33	4	5	10	5	5	6.7	6.7			12.1	Based on discussions with the advisory council and resort management, we are in the process of reviewing the entire curriculum and considering deleting the AAS degree and replacing it with an AS degree that will transfer to UHWO and/or UHH. Our long-time Host faculty recently retired and we are in the process of hiring a new faculty. This is a perfect opportunity to review and revamp the entire program. We believe that the number of distance education courses available at UHWO and the attractiveness of internship opportunities in the resort areas of the Big Island will be attractive to many students.	
		Carpentry Technology	47	58	46	47	36	30	25	11	11	11	3	7	8.3	7.0			14.3	The Carpentry program has 2 graduation options. AAS and CA. With intake of students once a year, this splits the amounts of students graduating in each category with the results of having low graduation counts in each area. The Carpentry program historically enjoys maximum student fill rate.	
		Hawaiian Studies				19	53	55	52		1	3	9	10	4.3	7.3			19.5	2=UH/UHCC/HawCC strategic priorities 2015-2021 & Hawai'i Papa O Ke Ao plan 2014 3=HwSt/Haw distinguishes UH/HawCC nationally/internationally by providing an emphasis in the study AND current practices of Hawaii Life Ways in 2016 AND curriculum that bridges indigenous cultures world wide 4 & 5=At an average of 3,000 SSH/year, HwSt/Haw/HLS courses provides the most popular, accessible, and relevant courses to meet gen. ed. requirements for both the AA LBRTS (graduation requirements 3 cr. in Asian/Pacific Culture & requirements; and, 6 cr. Area Req. in the Humanities) AND for other degrees like in the areas of Humanities/Asian-Pacific electives and/or Cultural Environment for A.A.S. general education electives 6=AA HwSt and the Hawaii Life Styles programming is an essential component of liberal education because liberality & universality is the aim of academics in 2016. Hawaiian Studies at HawCC adds to the college's intellectual and spiritual data bank and treasure chest.	
		Diesel Mechanics	28	24	32	46	22	22	25	7	4	12		12	5.3	8.0			20.0	The Diesel Mechanics program is currently in a re-building process. Curricular and intake changes are currently in the review and approval process. This is to reflect current industry changes. The program needs reasonable time to implement and develop the new curricular and intake changes. The program has reformed its intake of students to a biennial sequence. This change creates "no" graduates every other year resulting in a low graduation rate over a three year review period. Also, the program offers 2 graduation options again dividing the graduation counts even further. The program is currently enjoying maximum fill rate.	
		Early Childhood Education†	101	109	121	102	84	65	66	11	10	13	10	4	11.0	9.0			11.8	Instructors plan to make available more lab spots by offering ECED 191 which allows students in communities outside of Hilo to do their 1st semester practicum. ECED is on the borderline of being a small program, having exceeded 10 in 2013-2015 period and only one below in 2014-2016 period. Enrollment is increasing in ECED classes and there is more demand.	
		59% of Hawaii Associate Programs																			
Honolulu CC																					
	Certificate																				
		Fashion Technology	2	5	6	4	10	11	8				3	2	1.0	1.7			13.2	Will be working with program faculty and Dean to align other certificates to the CA in an effort to increase participation and completion. Program does have a lot of electives, so may need to look at how to package those better into a CA. Fashion Tech remains one of our star programs despite low enrollment. Many students are earning the Certificate of Completion instead of the CA or Associate degree.	

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			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Electrical Install&Maint Tech	3	3	4	9	7	9	7	15			4	4	1.3	2.7			20.8	In AY 16-17, we will begin to look at a program admissions process to better facilitate incoming student demand and completion. Included in this plan is relooking at course sequencing and alignment with the Associate degree. This is one of the college's most popular programs, and also has the most physical restraints as the shop can only accommodate so many students per year.	
		Human Services	3	5	4	4	2	6	8	1	3		6	10	3.0	5.3			14.0	We will be relooking course alignment and transfer data during AY 16-17 to better understand what changes may need to be made to program structure. Many students begin with classes in HSER at HonCC before transferring to Manoa.	
		Early Childhood Education	5	10	14	20	14	25	20				1	6	11	2.3	6.0		11.8	The Program Coordinator vacancy is in recruitment and once someone is on board we will begin the process of looking at program courses for alignment. This program has many electives, so may need to look at how to package those better into a CA. ECE helps to meet the demand of qualified early childhood providers on Oahu. There is also an active PACE (non-credit) program that has a high credit conversion rate.	
		Diesel Mechanics	1	2	2			2			2	1	1	19	1.3	7.0			21.5	This program intakes every other year, so it is within normal limits to see varying completion rates for both the certificate and degree. The program did revamp courses and alignment to better address completion of both certificate and degree programs. We expect results to improve at the end of the next academic year.	
		Sheet Metal & Plastics Tech†	9	7	6	6	8	11	19	4	11	12	10	3	11.0	8.3			19.0	Completion of the CA regularly depends on if students are hired away after the first semester of classes. Students usually come back to complete a certificate with the college under the Apprenticeship program which is not part of our regular credit program. Many of the students that begin this program are hired by the union and industry to work, sometimes right after the first semester or year. Student then may come back to finish depending on how the economy and workforce needs are doing.	
		Aeronautics Maint Tech	3	4	9	15	23	20	38	1			8	18	2.7	8.7			19.8	Students do earn the FAA certificate of completion - which is required for industry. The college has been working with Hawaiian Airlines to set up an apprenticeship-like program that we hope will increase completion for the certificate and degree. This is the only program in the state that trains students to be aeronautics maintenance repair workers.	
		Fire & Envir Emergency Resp	2	2	8	9	12	16	5	3	1	5	20	3	8.7	9.3			16.7	The FIRE program has made major program changes over the last two years. We will begin discussion on effectiveness as well as looking at the numerous electives of this program to see if there is a better way to streamline. This is the only FIRE program on the island of Oahu.	
		Occupational Envir Safety Mgt of Honolulu Certificate Programs	2	5	5	6	3	5	3		5	3	8	17	5.3	9.3			12.0	We will be looking at the alignment of the CA with the Associate degree to see if we can find a better way to streamline. In addition, we will look at the numerous electives of this program to see if there is a better way to package for students. This is the only OESM program on the island of Oahu.	
		Carpentry Technology‡	1	3		5	8	8	8	1	1		14	18	5.0	10.7			21.0		
		Refrigeration & Air Cond Tech‡	2	3	6	8	8	10	15	3	7	2	17	20	8.7	13.0			23.5		
		Architectural Eng & CAD Tech‡	7	11	8	6	4	11	9	2	11	5	10	28	8.7	14.3			21.7		
		Welding Technology‡	5	17	15	11	13	8	7	13	4		12	35	5.3	15.7			17.0		

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			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
	Associate																				
		Sheet Metal & Plastics Tech	21	13	16	21	14	14	5			1			0.3	0.3			19.0	Completion of the CA regular depends on if students are hired away after the first semester of classes. Students usually come back to complete a certificate with the college under the Apprenticeship program which is not part of our regular credit program. Many students do not come back to complete the degree. The college will be meeting with the program to discuss ways in which we can encourage more students to come back and complete. Many of the students that enroll are hired by the union and industry to work, sometimes right after the first semester or year. Student then may come back to finish depending on how the economy and workforce needs are doing.	
		Hawaiian Studies				2	17	15	14			2	1	2	1.0	1.7			19.1	Part of the college's Title III grant activities focuses on recruitment of students and our hope is that this will also help to increase interest in the Hawaiian Studies degree. The college is committed to nurturing this degree and student interest as part of our plan to become an indigenous serving institution.	
		Natural Science						21	44					8	-	2.7			N/A	With the addition of a concentration in Engineering, the college is working on outreach and marketing around the ASNS and STEM related degrees to help boost interest in this area. The college is working to identify possible STEM majors in the AA degree that should be in the ASNS degree. Students in this major are also part of a grant aimed at early intervention in an effort to increase completion.	
		Aeronautics Maint Tech	42	50	50	69	74	86	75	2	6	2	3	5	3.7	3.3			19.8	Students do earn the FAA certificate of completion - which is required for industry. The college has been working with Hawaiian Airlines to set up an apprenticeship-like program that we hope will increase completion for the certificate and degree. This is the only program in the state that trains students to be aeronautics maintenance repair workers.	
		Communication Arts	84	83	79	82	92	74	53	17	6	9	8	5	7.7	7.3			9.8	We will begin discussions on revamping the program - including changing the name to align more with the DOE academies and making program content more focused on multi-media.	
		Carpentry Technology	58	53	56	42	42	44	45	16	11	4	9	9	8.0	7.3			21.0	Participation in this program is heavily influenced by the local economy. Currently the construction industry is booming, and students are often hired away to work without finishing the degree. Construction plays an important role in our state economy and this program also has strong ties with Apprenticeship.	
		Human Services	101	82	70	75	82	81	79	4	9	11	9	5	9.7	8.3			14.0	We will be reviewing course alignment and transfer data during AY 16-17 to better understand what changes may need to be made to program structure.	
		Diesel Mechanics	38	26	7	22	24	29	31	1	2	10	2	16	4.7	9.3			21.5	This program intakes every other year, so it is within normal limits to see varying completion rates for both the certificate and degree. The program is currently undergoing the process to be NATEF certified.	
		of Honolulu Associate 35% Programs																			
		Advanced Prof Certificate																			
		Comp Electronics & Network Tech	5	9	6	2	3	8	4	1			1	2	0.3	1.0			20.8	CENT has many certificate programs (CA). We will check with industry standards to make sure the APC is still relevant. CENT also has high participation rates with Prior Learning Assessment.	
		100% of Honolulu APC Programs																			
Kapi'olani CC																					
	Certificate																				

†New to small programs list. Program was above average degrees awarded threshold in FY 2015.

‡Former small program. Program was below average degrees awarded threshold in FY 2015 and is above threshold in FY 2016.

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University of Hawai'i
 Programs with Low Number of Degrees/Certificates (CA) Awarded
 Enrollment by Major and Degrees Awarded
 Undergraduate programs with fewer than 10 graduates (3 year average)
 Graduate programs with 3 or fewer graduates (5 year average)
 FY 2016

Updated October 17, 2016

Appendix C

Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Marketing	2	11	5	2	4		1		1	1			0.7	0.3			18.6	Program is undergoing major curricular refocusing.	
		Exercise and Sport Science	5	4	4	13				10	2	2			1.3	0.7			21.8	Program has been stopped out.	
		Biotechnician	8	15	11	10	13	9	11	4	8	3	5	2	5.3	3.3			N/A	Program will be terminated.	
		Retail Management			29	16	8	15	11	5	8	9	5	6	7.3	6.7			N/A	Program is undergoing major curricular refocusing.	
		Mobile Intens Care Technician†							2		21	3	11	9	11.7	7.7			8.0	Enrollment is dependent on training needs of the state, which supports students during training.	
		45% of Kapiolani Certificate Programs																			
		Associate																			
		Educational Paraprofessional	21	15	6	15	16	17	17			1	2	1	1.0	1.3			N/A	Transitioning to a concentration in Liberal Arts.	
		Mobile Intens Care Technician	16	20	31	28	11	14	14	2	7	6	5	7	6.0	6.0			8.0	Students typically complete the Certificate of Achievement, which allows them to sit for licensure. They do not complete the Gen Ed courses to obtain the AS degree.	
		Marketing	94	100	105	104	97	95	85	6	7	9	8	4	8.0	7.0			18.6	Program is undergoing major curricular refocusing.	
		Hawaiian Studies				7	33	49	46			6	9	9	5.0	8.0			33.7	New program, all courses are also offered for Liberal Arts.	
		21% of Kapiolani Associate Programs																			
		Advanced Prof Certificate																			
		Information Technology			1	7	6	5	7	4	2	3	1	2	2.0	2.0			11.0	Students dual-enrolled at UHWO, transfer prior to degree completion	
		Culinary Arts			2	4	5	6	8		5	4	10	3	6.3	5.7			20.1	Program is housed in interim facility, cannot accommodate full capacity enrollment	
		100% of Kapiolani APC Programs																			
Kaua'i CC																					
		Certificate																			
		Carpentry Technology				1		3	2					1	-	0.3			9.0	Program is being redesigned to attract more students and increase completion. Redesign should take effect in Fall 2017.	
		Business Technology	2	1	1		1	5	2	4	6	4			3.3	1.3			11.1	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		Hospitality and Tourism									2	1	3	1	2.0	1.7			20.0	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		Electrical Install&Maint Tech				2	1	2	5				1	6	0.3	2.3			8.8	We are considering closing this program.	
		Electronics Technology		2			1		1			1	1	5	0.7	2.3			11.4	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		Early Childhood Education			1		4	4	6		3	1	5	4	3.0	3.3			8.9	This program was redesigned during the 2015-16 academic year resulting in record enrollments for Fall 2016. We expect to greatly improve completion rates as a result of the redesign.	
		Automotive Mechanics Tech	1	1	2	1	7	5	1	10	6	5	3	11	4.7	6.3			14.7	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		Accounting	2	2	2	3	2	2		8	6	5	6	9	5.7	6.7			16.7	The AAS is graduating sufficient numbers. Many are not earning the CA along the way. We will look at why they are not being awarded CA at the same time as the AAS.	
		Culinary Arts				2	9	10	5	12	16	11	1	12	9.3	8.0			13.1	2015 was an anomalous year where only 1 CA was awarded, dropping the three year average to just under 10. We do not expect to repeat this.	
		82% of Kauai Certificate Programs																			
		Associate																			
		Carpentry Technology		1	1	10	11	9	10					1	-	0.3			9.0	Program is being redesigned to attract more students and increase completion. Redesign should take effect in Fall 2017.	
		Natural Science					4	17	16					2	-	0.7			N/A	Program only in its second year and students have not had time to complete AS degrees.	
		Auto Body Repair & Painting	17	15	15	15	13	12	9		1		3		1.3	1.0			9.7	We are considering closing this program.	

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University of Hawai'i
 Programs with Low Number of Degrees/Certificates (CA) Awarded
 Enrollment by Major and Degrees Awarded
 Undergraduate programs with fewer than 10 graduates (3 year average)
 Graduate programs with 3 or fewer graduates (5 year average)
 FY 2016

Updated October 17, 2016

Appendix C

Major Description			Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			Degree Level	2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address
Campus																					
		Electrical Install&Maint Tech				13	19	15	19					4	-	1.3			8.8	We are considering closing this program.	
		Early Childhood Education	23	37	32	26	31	33	34		4	4	4	3	4.0	3.7			8.9	This program was redesigned during the 2015-16 academic year resulting in record enrollments for Fall 2016. We expect to greatly improve completion rates as a result of the redesign.	
		Electronics Technology	42	30	34	28	30	31	30	5	4	6	4	2	4.7	4.0			11.4	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		Automotive Mechanics Tech	38	34	34	38	36	37	36	3	4	5	2	6	3.7	4.3			14.7	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		Hawaiian Studies				15	39	34	31		1	7	3	5	3.7	5.0			15.2	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		Business Technology†	54	58	57	62	48	43	26	9	13	10	13	1	12.0	8.0			11.1	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		Hospitality and Tourism†	28	34	42	64	52	61	39	4	11	6	14	8	10.3	9.3			20.0	Program is small due to the population base on Kauai but is vital to training the Kauai workforce as these students cannot afford to go off island for education.	
		71% of Kauai Associate Programs																			
Leeward CC																					
		Certificate																			
		Management					4	7	11		1	3	2	7	2.0	4.0			25.0	The CA in Management was first introduced in Fall 2012. It will take a few years for students to plan their pathway to achieve the CA. The three year average for graduates has doubled, and we expect the number of graduates to continue to increase. The CA is a 24-27 credit program within the AS in Management.	5
		Digital Media Production					1	3	4			7	1	8	2.7	5.3			14.9	The CA in Digital Media was first introduced in Fall 2013. It will take a few years for students to plan their pathway to achieve the CA. The three year average for graduates has doubled since 2013, and we expect the number of graduates to continue to increase. The CA is a 30 credit program within the AS in Digital Media.	5
		Health Information Technology					4	13	18				8	8	2.7	5.3			16.5	The CA in Health Information Technology was first introduced in Fall 2012. It will take a few years for students to plan their pathway to achieve the CA. The three year average for graduates has doubled since 2013, and we expect the number of graduates to continue to increase. The CA is a 31 credit program within the AS in HIT.	5
		Television Production	2	3	2			2	1	8	11	5	13	1	9.7	6.3			14.8	The TV Production program accepts 20 majors per cohort with a new intake every third semester. The cohort model is followed due to extensive hands-on activities and limited video equipment in the facilities. Unfortunately, only 15 students enrolled in the Spring 2014 cohort and due to attrition, the three year average for graduates declined.	5
		Business Technology†	8	8	4	6	5	6	11	18	19	15	8	3	14.0	8.7			17.7	The three year average in 2014-2016 decreased to 8.7 graduates. The program faculty are actively discussing plans to address the decline and ensure the program is relevant in meeting the needs of students. The CA is a 33 credit program within the AS in Business Technology.	5
		Information & Computer Science					5	9	6		4	1	17	10	7.3	9.3			18.5	The CA in Information and Computer Science was first introduced in Fall 2012. It will take a few years for students to plan their pathway to achieve the CA. The three year average for graduates has increased and we expect the number of graduates to continue to increase. The CA is a 30 credit program within the AS in ICS.	5
		67% of Leeward Certificate Programs																			
Associate																					
		Health Information Technology				12	104	118	179					7	8	2.3	5.0		16.5	The AS in Health Information Technology was introduced in Fall 2012. The program is in high demand and students are making their way through the 61 credit program. The three year average for graduates has doubled since 2012, and we expect the number of graduates to increase.	1

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Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Hawaiian Studies				10	49	62	56		1	5	6	11	4.0	7.3			10.0	The AA in Hawaiian Studies was introduced in Fall 2012. The program is gaining enrollment and the number of graduates has increased since it was established. We expect the number of graduates to continue to increase.	2, 3, 4
		of Leeward Associate																			
		15% Programs																			
		Information & Computer Science†	150	165	138	155	152	154	224	10	6	9	12	23	9.0	14.7			18.5		
Maul College																					
		Certificate																			
		Auto Body Repair & Painting	3	3		1							1		0.3	0.3			7.8	Average class size should increase now that the auto body shop will be open for a full academic year.	
		Agriculture	1	1						2	1		2	1	1.0	1.0			15.2	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion.	
		Fashion Technology	1		1	2				1	1	1	2		1.3	1.0			14.0	The improved pass rate of college level vocational math will remove the math completion barrier to program completion.	
		Sustainable Construction Tech	6	1	1	2	1			4			1	4	0.3	1.7			N/A	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion.	
		Hospitality and Tourism	1	1	1	2	1			2	6	6	1	1	4.3	2.7			10.8	The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	
		Early Childhood Education							1	4	3	6	4	1	4.3	3.7			14.3	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion.	
		Automotive Mechanics Tech	2	1		1	1			9	7	4	9	3	6.7	5.3			16.0	The improved pass rate of college level vocational math will remove the math completion barrier to program completion.	
		Human Services	1	1	1	2				8	2	4	6	7	4.0	5.7			16.1	We piloted STAR GPS registration in Fall 2016 which we hope will improve the path to degree completion.	
		Business Careers	6	4	1	1	6	1		5	5	9	5	4	6.3	6.0			21.7	The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	

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Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Administration of Justice			2			1	1	9	9	5	5	9	6.3	6.3			19.8	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	
		Electronics & Comp Engin Tech					1			7	11	13	1	6	8.3	6.7			10.3	Most ECET majors pursue the AS degree and BAS in Engineering Technology. Designed to be a low enrolled and specialized program.	
		Accounting†	1	2	2			1		15	18	10	5	9	11.0	8.0			21.4	Most accounting majors pursue the AS degree and the majority of those graduates transfer into UH baccalaureate programs.	
		Business Technology†	2				1			18	20	17	5	5	14.0	9.0			15.7	Most business technology majors pursue the AS degree	
		87% of Maui Certificate Programs																			
		Associate																			
		Natural Science				12	28	47	55		2	1	1		1.3	0.7			N/A	Recently selected a new Program Coordinator who will be addressing enrollments and completions. Will soon be recruiting to replace faculty member we lost due to medical challenges. The former faculty member was also the Program Coordinator.	
		Auto Body Repair & Painting	27	29	32	30	36	18	17	2	1	1	2	1	1.3	1.3			7.8	Average class size should increase now that the the auto body shop will be open for a full academic year. Auto body shop was closed for 1 1/2 years for remodel.	
		Dental Hygiene	10	9	11	10	10	9	12		10		10		6.7	3.3			12.0	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	
		Fashion Technology	42	42	43	44	47	36	36	5	4	6	4	4	4.7	4.7			14.0	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	
		Early Childhood Education			65	75	75	88	76	4	8	6	6	4	6.7	5.3			14.3	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	
		Agriculture	50	58	57	67	78	67	58	7	7	7	3	7	5.7	5.7			15.2	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	
		Sustainable Construction Tech	87	109	113	92	67	71	65	6	12	7	2	10	7.0	6.3			N/A	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level vocational math will remove the math completion barrier to program completion.	
		Automotive Mechanics Tech	73	80	89	72	61	61	52	9	4	9	8	3	7.0	6.7			16.0	We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level vocational math will remove the math completion barrier to program completion.	

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Campus	Degree Level	Major Description	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg	3 Year Avg	5 Year Avg	5 Year Avg	Avg Class Size	Campus Comments	
			2009	2010	2011	2012	2013	2014	2015	2012	2013	2014	2015	2016	2013-15	2014-16	2011-15	2012-16	Fall 2015	Plans to Address	Justification*
		Hospitality and Tourism	47	57	83	69	91	90	81	8	4	5	9	6	6.0	6.7				We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	
		Administration of Justice	54	74	71	96	78	62	51	9	7	6	8	12	7.0	8.7				We plan to implement STAR GPS registration in Fall 2017 which we hope will improve the path to degree completion. The improved pass rate of college level statistics, over 75 percent, will remove the math completion barrier to program completion.	
		Electronics & Comp Engin Tech	82	98	86	91	84	89	79	8	12	4	11	12	9.0	9.0				Most ECET grraduates puruse BAS in Engineering Technology.	
		58% of Maui Associate Programs																		Designed to be a low enrolled and specialized program.	
		Human Services†	188	202	159	120	114	114	96	8	7	6	10	17	7.7	11.0			16.1		
		Baccalaureate																			
		Engineering Tech		8	16	17	13	13	13	3	4	4	2	4	3.3	3.3			5.5	Recently address faculty turnover by hiring a new full-time faculty member. Designed to be a low enrolled and specialized program. The only Engineering Technician program in Hawaii meeting a specific niche.	
		Sustainable Science Management				1	7	47	56			1		11	0.3	4.0			14.3	Program graduated 11 students in Fall 2016 and project increasing number of graduates in future years. Number of majors continue to be strong supporting strong graduation projections	
		Applied Business & Information Tech	40	39	36	36	34	35	71	4	5	8	5	2	6.0	5.0			N/A	We have already exceeded our goal of increasing the number of ABIT majors to over 100 students. We project an increasing number of graduates this coming Spring and due to the increase in majors, we project the number of graduates will continue to increase in the following years.	
		100% of Maui Baccalaureate Programs																			

Notes:

Enrollment includes duplicates for students with multiple majors.
Excludes the following outcome types: Academic Subject Certificate (ASC), Certificate of Completion (CC), Certificate of Competence (CO), Graduate Certificate (GCER), Subject Certificate (SC) and Undergraduate Certificate (UCER).
Excludes recently approved programs: Undergraduate programs effective after Fall 2013 and graduate programs effective after Fall 2011.
Excludes programs which have been terminated or stopped out.
Percent of total programs is based on the number of qualified programs.
Average class size excludes courses numbered -93 (Cooperative Education), -99 (Individual Instruction or Directed Studies), 700 (Thesis Research), and 800 (Dissertation Research), Aerospace Studies and Military Science classes. Distance education courses are included.
Master and doctorate average class size includes all graduate courses. Certificate and associate average class size includes all undergraduate courses.

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