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UNIVERSITY of HAWAI'I SYSTEM

UNIVERSITY OF HAWAII BOARD OF REGENTS

Donald O. Straney, Ph.D. Vice President for Academic Planning and Policy

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MEMORANDUM

TO: Michelle Tagorda, Chair, BOR Academic and Student Affairs Committee
VIA: David Lassner, President
FROM: Donald O. Straney, Ph.D., Vice President for Academic Planning and Policy
SUBJECT: Academic Program Actions Report, 2016-2017

In accordance with Board of Regents Policy 5.201, Instructional Programs, attached is the Academic Program Action Report for academic program actions approved from July 1, 2016 through June 30, 2017. It consists of three sections: the report of academic program actions, the schedule of program reviews and the report on programs with small number of degrees/certificates of achievement awarded.

Please let me know if you have any questions.

Attachments:

- 1. Cover
2. Appendices A, B, C

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**UNIVERSITY OF HAWAI‘I**  
**ACADEMIC PROGRAM ACTIONS REPORT, 2016-2017**

The Academic Program Actions Report compiles the information that is required to be reported to the Board of Regents (BOR) per Regents Policy 5.201 *Instructional Programs*. This includes the following:

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

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

In summary,

New Academic Programs Approved by the Board of Regents	4
Authorizations to Plan New Academic Programs	11
Provisional Programs Granted Established Status by the BOR	15
Ongoing Provisional Programs	45
Terminations of Provisional Programs	0
Program Reviews Completed	58

The report is in three sections:

Appendix A is the report of Academic Actions, 2016-2017.

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

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

**UNIVERSITY OF HAWAI‘I  
ACADEMIC PROGRAM ACTIONS REPORT, 2016-2017**

**I. New Program and Certificate Actions**

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

1. BS, Dietetics, UH Mānoa, BOR approved as Established, 1/26/17
2. Masters of Environmental Management, UH Mānoa, BOR approved as Established, 1/26/17
3. APC, Special Education PK-12, Leeward CC, BOR approved, 3/23/17
4. AS, Integrated Industrial Technology, Leeward CC, BOR approved, 1/26/17

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

1. GCert, Asian Studies, UH Mānoa, Chancellor approved, 7/27/16 (Program approved, 7/29/16)
2. GCert, Ethnomathematics, UH Mānoa, Chancellor approved, 4/4/17
3. BS, Engineering Science, UH Mānoa, Chancellor approved, 5/4/17
4. MS, Finance, UH Mānoa, Chancellor approved, 5/4/17
5. MS, Information Systems, UH Mānoa, Chancellor approved, 5/4/17
6. MS, Marketing Management, UH Mānoa, Chancellor approved, 5/4/17
7. CA, Biotechnology, Kapi‘olani CC, Chancellor approved, 4/5/17
8. CA, STEM Education, Kapi‘olani CC, Chancellor approved, 1/20/17
9. ASC, Hawaiian Language, Kapi‘olani CC, Chancellor approved, 1/17/17
10. CA, Integrated Industrial Technology, Leeward CC, Chancellor approved, 1/26/17 (Program approved 4/3/17)
11. CO, Integrated Industrial Technology, Leeward CC, Chancellor approved, 1/26/17 (Program approved 4/3/17)

C. New Degrees, Certificates, Minors Approved by Campus Administration

1. GCert, Asian Studies, UH Mānoa, Chancellor approved, 7/29/16
2. GCert, Teacher Leader, UH Mānoa, Chancellor approved, 2/3/17
3. GCert, Rural Health (PharmD), UH Hilo, Chancellor approved, 12/20/17
4. ASC, Digital Visualization and Communication Certificate, UH Hilo, Chancellor approved, 12/15/17
5. ASC, Unmanned Aircraft Systems (UAS) Certificate, UH Hilo, Chancellor approved, 12/15/17
6. ASC, Asian Studies, UH West O‘ahu, Chancellor approved, 12/6/16
7. AA, Liberal Arts, Concentration in Administration of Justice, Hawai‘i CC, Chancellor approved, 6/11/16
8. AA, Liberal Arts, Concentration in Art, Hawai‘i CC, Chancellor approved, 6/13/16
9. AA, Liberal Arts, Concentration in History, Hawai‘i CC, Chancellor approved, 6/13/16

10. AA, Liberal Arts, Concentration in Psychology, Hawai'i CC, Chancellor approved, 6/13/16
11. AA, Liberal Arts, Concentration in Sociology, Hawai'i CC, Chancellor approved, 6/13/16
12. ASC, Malama Aina, Kaua'i CC, Chancellor approved, 2/15/17
13. CO, School Health Aide, Kaua'i CC, Chancellor approved, 12/9/16
14. CO, Community Health Worker, Kaua'i CC, Chancellor approved, 4/11/17
15. CA, Integrated Industrial Technology, Leeward CC, Chancellor approved, 4/3/17
16. CO, Integrated Industrial Technology, Leeward CC, Chancellor approved, 4/3/17
17. CO, Cybersecurity, Windward CC, Chancellor approved, 4/22/17
18. AA, Liberal Arts Concentration in Art, Windward CC, Chancellor approved, 10/18/16
19. ASNS, Concentration in Pre-Computer Science, Windward CC, Chancellor approved, 10/18/16

## **II. Provisional Program and Certificate Actions**

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

1. BA, Second Language Studies, UH Mānoa, BOR approved, 1/26/17
2. BA, Creative Media, UH Mānoa, BOR approved, 6/1/17
3. BS, Psychology, UH Mānoa, BOR approved, 6/1/17
4. BAS, Applied Science, UH West O'ahu, BOR approved, 6/1/17
5. AA, Hawaiian Studies, all seven (7) community colleges, BOR approved, 6/1/17
6. AS, Natural Science, Leeward CC, BOR approved, 1/26/17
7. BAS, Applied Business and Information Technology, UH Maui College, BOR approved, 6/1/17
8. BAS, Sustainable Science Management, UH Maui College, BOR approved, 6/1/17
9. AS, Early Childhood Education, UH Maui College, BOR approved, 1/26/17

### **B. Extension of Provisional Programs Status by the President:**

1. PhD, Nutrition, UH Mānoa, President approved, 3/8/17
2. BA, Pharmacy Studies, UH Hilo, President approved, 3/8/17

### **C. Stop-out of Provisional Programs by Campus Administration:**

1. UCert, Sustainable Tourism, UH Mānoa, Chancellor approved, 6/19/17
2. MS, Clinical Pharmacology, UH Hilo, Chancellor approved, 5/16/16

### **D. Removal of Stop-out of Provisional Programs by Campus Administration: None**

### **E. Termination of Provisional Programs by the President: None**

### **F. Ongoing Provisional Programs for each Campus:**

## UH Mānoa

College or School	Credential and Program	Provisional Until / Comments
Architecture	BEnvD, Bachelor of Environmental Design	Provisional until 2019
Education	EdD, Doctor of Education	Provisional until 2016 Conversion in process
	PhD, Learning Design & Technology	Provisional until 2020
Engineering	BS, Computer Engineering	Provisional until 2016 Conversion in process
Law	SJD, Doctor of Juridical Science	Provisional until 2021
Natural Sciences	BA, Astronomy	Provisional until 2019
	BS, Astrophysics	Provisional until 2019
	BA, Biochemistry	Provisional until 2016 Conversion in process
	BS, Biochemistry	Provisional until 2016 Conversion in process
	BS, Ethnobotany	Provisional until 2009 Admission stopped out 2/4/15
	BS, Molecular Cell Biology	Provisional until 2016 Conversion in process
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 Conversion in process
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
Tropical Agriculture & Human Resources	PhD, Nutrition	Provisional until 2016 Extension approved 3/8/17

## 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 2018

		Extension approved 10/9/17
College of Pharmacy	BA, Pharmacy Studies	Provisional until Fall 2016 Extension approved 3/8/17
	MS, Clinical Pharmacology	Currently provisional until Fall 2014; in stop out until Fall 2019 (Fall 2017-Fall 2019)
	PhD, Pharmaceutical Sciences	Provisional until Fall 2017

### UH West O‘ahu

College or School	Credential and Program	Provisional Until / Comments
Social Sciences	Certificate in Democratic Principles and 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
Natural Science	AS, Natural Sciences	Provisional until Spring 2017
Creative Media	AS, Creative Media	Provisional until Fall 2018

### Honolulu CC

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

### Kapi‘olani CC

College or School	Credential and Program	Provisional Until / Comments
Hospitality, Business and Legal Education	APC, Hospitality Operations Management	Provisional until Spring 2018
Food Services	APC, Culinary Management	Provisional until Spring 2016; effective Fall 2011; provisional until Fall 2013; extension of provisional status granted for 2 years

### Kaua‘i CC

College or School	Credential and Program	Provisional Until / Comments
Natural Science	AS, Natural Sciences	Provisional until Spring 2017
Sustainability Science	CA, Sustainability Science	Provisional until Spring 2017
Health Service	CA, Medical Assisting	Provisional until Spring 2017
Business	AS, Business	Provisional until Spring 2018
Creative Media	AS, Creative Media	Provisional until Fall 2018
Plant Biology and Tropical Agriculture	AS, Plant Biology and Tropical Agriculture	Provisional until Spring 2018

### Leeward CC

College or School	Credential and Program	Provisional Until / Comments
Business	AS, Health Information Technology	Provisional until Fall 2016 Conversion in progress
Plant Biology and Tropical Agriculture	AS, Plant Biology and Tropical Agriculture	Provisional until Spring 2018
Integrated Industrial Technology	AS, Integrated Industrial Technology	Provisional until Fall 2019
Education	APC, Special Education PK-12	Provisional until Fall 2019

### UH Maui College

College or School	Credential and Program	Provisional Until / Comments
Technology	BAS, Engineering Technology	Provisional until Spring 2017 Conversion in process
Natural Sciences	AS, Natural Science	Provisional until Spring 2017 Conversion in process
Creative Media	AS, Creative Media	Provisional until Fall 2018

### Windward CC

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

### **III. Established Program and Certificate Actions**

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

B. Changes to Established Programs Approved by President:

1. Terminations: None
2. Name Changes
  - a. BS, Family Resources, Name Change to BS, Human Development and Family Studies, UH Mānoa, President approved, 3/16/17
  - b. BS, Tropical Plant and Soil Sciences, Name Change to BS, Tropical Agriculture and the Environment, UH Mānoa, President approved, 2/15/17
  - c. AAS, Business Careers, Name Change to AAS, Business Administration, UH Maui College, President approved, 2/8/17
3. Degree Changes: None

C. Changes to Established Programs by Campus Administration:

1. Terminations
  - a. CO, Medical Office Assistant, Hawai'i CC, Chancellor approved, 5/18/16
  - b. CPD, Business Administration – Entrepreneurship I, Supervision I, & Marketing, UH Maui College, Chancellor approved, 12/22/16
  - c. CO, Business Administration – Leadership Training, UH Maui College, Chancellor approved, 12/22/16
  - d. CO, Business Technology – Basic Office Skills, UH Maui College, Chancellor approved, 5/23/16 (was not included in 2015-16 report)
  - e. CO, Human Services – Substance Abuse Counseling III, UH Maui College, Chancellor approved, 2/15/17
  - f. CO, Dental Assisting, UH Maui College, Chancellor approved, 12/22/16
2. Stop-out of Admission in Established Programs:
  - a. MS, Athletic Training – Post-Professional Track, UH Mānoa, Chancellor approved, 10/17/16
  - b. PhD, Biomedical Sciences (Clinical Research Track), UH Mānoa, Chancellor approved, 6/9/17
  - c. PhD, Nursing, UH Mānoa, Chancellor approved, 10/6/16
  - d. BA, Social Sciences – Applied Track Concentration only, UH West O'ahu, Vice Chancellor for Academic Affairs approved, 2/28/17
  - e. AAS, Auto Body Repair and Painting, Stop-out of Admission, Kaua'i CC, Chancellor approved, 5/15/17
  - f. AAS, Business Technology, Stop-out of Admission, Kaua'i CC, Chancellor approved, 5/15/17
3. Removal of Stop-out of Admission to Established Programs: None
4. Name Changes:
  - a. SC, Political Science – International Studies: International Relations Concentration Certificate, Name Change to SC, Political Science –



International Politics Certificate, UH Hilo, Chancellor approved, 1/25/17

- b. AAS, Business Technology – Medical Assistant II Specialty, Name Change to AAS, Business Technology – Medical Office Specialist II, UH Maui College, Chancellor approved, 1/8/16 (was not included in 2015-16 report)
- c. CO, Business Administration – Entrepreneurship II, Name Change to CO, Business Administration – Entrepreneurship, UH Maui College, Chancellor approved, 12/22/16
- d. CO, Business Administration – Supervision I, Name Change to CO, Business Administration – Supervision, UH Maui College, Chancellor approved, 12/22/16
- e. CO, Business Technology – Medical Assistant I, Name Change to CO, Business Technology – Office Specialist I, UH Maui College, Chancellor approved, 12/22/16
- f. ASNS, Concentration in Pre-Engineering, Name Change to ASNS Concentration in Engineering, Windward CC, Chancellor approved, 5/9/17

#### **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.

##### **UH Mānoa**

<b>Program and Credential</b>	<b>Status / Action</b>
Medicine (MD)	Completed
Law (JD)	Completed
Travel Industry Management (MS)	Completed
Public Administration (MPA)	Initial Accreditation in Spring 2017

##### **UH Hilo**

<b>Program and Credential</b>	<b>Status / Action</b>
Economics (BA)	Completed

History (BA)	Completed
Agriculture (BS)	Program Review in Progress
Art (BA)	Program Review in Progress
Computer Science (BS)	Program Review in Progress
Education (MEd)	Program Review in Progress
Physics (BA)	Program Review in Progress
Astronomy (BS)	Program Review in Progress

### UH West O‘ahu

Program and Credential	Status / Action
Bachelor of Applied Science (BAS)	Completed

### Hawai‘i CC

Program and Credential	Status / Action
Agriculture	Completed
Automotive Mechanics	Completed
Business Technology	Completed
Digital Media Arts	Completed
Electrical Installation Maintenance Technology Program	Completed
Machine, Welding and Industrial Mechanics Tech	Completed
Natural Science	Completed

### Honolulu CC

Program and Credential	Status / Action
Electrical Installation and Maintenance Technology	Completed
Fire	Completed
Sheet Metal and Plastics Tech	Completed

### Kapi‘olani CC

Program and Credential	Status / Action
Accounting (AS, CA)	Completed
Culinary Arts (AS, CA)	Completed
Dental Assisting (CO)	Completed
Emergency Medical Technician (CO)	Completed
Hospitality and Tourism (AS, CA)	Completed
Information Technology (AS, CA)	Completed
Liberal Arts (AA)	Completed
Hawaiian Studies (ASC)	Completed
Asian Studies (ASC)	Completed

International Studies (ASC)	Completed
Marketing (AS)	Completed
Medical Assisting (AS, CA)	Completed
Medical Laboratory Technician (AS)	Completed
Mobile Intensive Care Technician (AS)	Completed
New Media Arts (AS)	Completed
Nursing (AS)	Completed
Practical Nursing (CA)	Completed
Occupational Therapy Assistant (AS)	Completed
Paralegal (AS)	Completed
Physical Therapist Assistant (AS)	Completed
Radiologic Technology (AS)	Completed
Respiratory Care (AS)	Completed
Retail Management (CA)	Completed
Travel and Tourism (AS)	Completed

### **Kaua'i CC**

<b>Program and Credential</b>	<b>Status / Action</b>
Hospitality and Tourism (AAS)	Completed

### **Leeward CC**

<b>Program and Credential</b>	<b>Status / Action</b>
Liberal Arts (AA)	Completed
Accounting (AS, ASC, CA, CO)	Completed
Automotive Technology (AAS, CA, CO)	Completed
Business Technology (AS, ASC, CA, CO)	Completed
Culinary Arts (AS, CA, CO)	Completed
Health Information Technology (AS, CA, CO)	Completed
Management (AS, ASC, CA, CO)	Completed
Television Production (AS, CA, CO)	Completed

### **UH Maui College**

<b>Program and Credential</b>	<b>Status / Action</b>
Administration of Justice (AAS)	Completed
Agricultural and Natural Resources (AAS)	Completed
Applied Business and Information Technology (BAS)	Completed
Dental Hygiene (AS)	Completed
Early Childhood Education (AS)	Completed
Engineering Technology (BAS)	Completed

Human Services (AS)	Completed
Liberal Arts (AA)	Completed
Nursing (AS).	Completed

**Windward CC (None)**

**Schedule of Program Review for Established Programs**  
**Current as of November 2017**

<b>Campus</b>	<b>Program</b>	<b>Degrees (CA and higher)</b>	<b>Last Review</b>	<b>Next Review</b>
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	2015	2020
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	2018
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	2022
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
MAN	East Asian Languages and Lit (Korean)	MA/PhD	2013	2018

**Schedule of Program Review for Established Programs**  
**Current as of November 2017**

<b>Campus</b>	<b>Program</b>	<b>Degrees (CA and higher)</b>	<b>Last Review</b>	<b>Next Review</b>
MAN	Economics	BA/MA/PhD	2016	2021
MAN	Education	PhD	2014	2021
MAN	Education (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	2018
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	2014	2018
MAN	Epidemiology	PhD	2015	2022
MAN	Ethnic Studies	BA	2016	2021
MAN	Ethnobotany	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	2018
MAN	International Business	BBA	2015	2020
MAN	Japanese	BA	2013	2018
MAN	Journalism	BA	2016	2021
MAN	Kinesiology and Rehabilitation Science	BS	2014	2021
MAN	Kinesiology and Rehabilitation Science	MS	2014	2021
MAN	Korean	BA	2013	2018
MAN	Law	LLM/JD	2010	2023
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 November 2017**

<b>Campus</b>	<b>Program</b>	<b>Degrees (CA and higher)</b>	<b>Last Review</b>	<b>Next Review</b>
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	2018
MAN	Medical Technology	BS	2013	2020
MAN	Medicine	MD	2017	2025
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**  
**Current as of November 2017**

<b>Campus</b>	<b>Program</b>	<b>Degrees (CA and higher)</b>	<b>Last Review</b>	<b>Next Review</b>
MAN	Theatre	BA/MA/MFA/PhD	2016	2021
MAN	Travel Industry Management	BS	2015	2021
MAN	Travel Industry Management	MS	2017	2022
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	Anthropology	BA	2005	2020
HIL	Art	BA	2016	2021
HIL	Biology	BA/BS	2005	2017
HIL	Business Administration	BBA	2015	2020
HIL	Chemistry	BA	2015	2020
HIL	Communications	BA	2012	2017
HIL	Computer Science	BS	2016	2021
HIL	Heritage Management	MA	New Program	2020
HIL	Education	MEd	2016	2021
HIL	Education Teaching	MAT	2015	2021
HIL	English	BA	2016	2021
HIL	Environmental Science	BS	2015	2020
HIL	Gender & Women's Studies	BA	New Program	2020
HIL	Geography	BA	2011	2017
HIL	Geology	BA/BS	2016	2021
HIL	Hawaiian and Indigenous Language Revitalization	PhD	2015	2020
HIL	Indigenous Language and Culture Education	MA	New Program	2020
HIL	History	BA	2017	2022
HIL	Japanese Studies	BA	2009	2017
HIL	Kinesiology and Exercise Science	BA	N/A	2019
HIL	Marine Science	BA/BS	2016	2021
HIL	Mathematics	BA	2012	2017
HIL	Natural Sciences	BA	2013	2018
HIL	Nursing	BS	2015	2018
HIL	Nursing Practice	DNP	New Program	2019
HIL	Performing Arts	BA	2011	2018
HIL	Philosophy	BA	2005	2018
HIL	Physics and Astronomy	BA/BS	2016	2021
HIL	Political Science	BA	2015	2020
HIL	Psychology	BA	2013	2018
HIL	Sociology	BA	2016	2021
HIL	Tropical Conservation Biology & Env Sci	MS	2005	2017



**Schedule of Program Review for Established Programs**  
**Current as of November 2017**

<b>Campus</b>	<b>Program</b>	<b>Degrees (CA and higher)</b>	<b>Last Review</b>	<b>Next Review</b>
WOA	Applied Sciences	BAS	2016	2021
WOA	Business Administration	BABA	2017	2022
WOA	Education	BED	2013	2020
WOA	Humanities	BAH	2014	2019
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
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

**Schedule of Program Review for Established Programs**  
**Current as of November 2017**

<b>Campus</b>	<b>Program</b>	<b>Degrees (CA and higher)</b>	<b>Last Review</b>	<b>Next Review</b>
HON	Electrical Installation and Maintenance Technolgy	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	2014	2016
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	Business Technology	CA/AAS	2018	2023
KAU	Carpentry Technology	CA/AAS	2017	2024
KAU	Creative Media	CA/AS	2017	2022
KAU	Culinary Arts	CA/AAS	ACF Accreditation: March 2017	2024
KAU	Early Childhood Education	CA/AAAS	2015	2020
KAU	Electrical Installation and Maintenance	CA/AAS	2017	2024
KAU	Electronics Technology	CA/AS	2018	2023

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KAU	Facilities Engineering Technology	CA/AS	2018	2023
KAU	Hawaiian Studies	AA	2015	2020
KAU	Hospitality and Tourism	CA/AAS	2016	2021
KAU	Liberal Arts	AA	2015	2020
KAU	Natural Science	AS	2016	2020
KAU	Nursing	CA/AAS	NLN Accreditation: Feb 2017	2025
KAU	Plant Biology & Tropical Agriculture	CA/AS	2014	2018
LEE	Accounting	AS, CA	2016	2020
LEE	Automotive Technology	AAS, CA	2016	2020
LEE	Business Technology	AS, CA	2016	2020
LEE	Culinary Arts	AS, CA	2016	2020
LEE	Digital Media Production	AS, CA	2015	2019
LEE	Hawaiian Studies	AA	2015	2019
LEE	Health Information Technology	AS, CA	2015	2019
LEE	Information & Computer Science	AS, CA	2015	2019
LEE	Liberal Arts	AA	2016	2020
LEE	Management	AS, CA	2016	2020
LEE	Natural Science	AS	2015	2019
LEE	Plant Biology & Tropical Ag	AS, CA	New Program	2017
LEE	Teaching	AA	2015	2019
LEE	Television Production	AS, CA	2016	2020
MAU	Accounting	AAS	2016	2019
MAU	Administration of Justice	AAS	2017	2020
MAU	Agricultural and Natural Resources	AAS	2017	2020
MAU	Applied Business and Information Technology	BAS	2017	2020
MAU	Auto Body Repair and Painting	AAS	2016	2019
MAU	Automotive Technology	AAS	2016	2019
MAU	Business Careers	AAS	2016	2019
MAU	Business Technology	AAS	2015	2018
MAU	Creative Media	AS	New Program	2019
MAU	Dental Hygiene	AS	2017	2020
MAU	Early Childhood Education	AS	2017	2020
MAU	Engineering Technology	BAS	2017	2020
MAU	Electronic and Computer Engineering Technology	AS	2015	2018
MAU	Hawaiian Studies	AA	2015	2018
MAU	Human Services	AS	2017	2020
MAU	Liberal Arts	AA	2017	2020
MAU	Medical Assistant II	AAS	2015	2018
MAU	Culinary Arts	AAS	2015	2018
MAU	Fashion Technology	AAS	2016	2019
MAU	Hospitality and Tourism	AAS	2015	2018
MAU	Natural Science	AS	2015	2018
MAU	Nursing	AS	2017	2020

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Current as of November 2017**

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MAU	Construction Technology	AAS	2015	2018
MAU	Sustainable Science Management	BAS	2016	2019
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>

Undergraduate programs with fewer than 10 graduates (3 year average)  
 Graduate programs with 3 or fewer graduates (5 year average)  
 FY 2013 - 2017

MAN	2013	2014	2015	2016	2017
Baccalaureate	24%	23%	20%	18%	21%
Master	14%	14%	14%	13%	14%
Doctorate	53%	53%	49%	49%	51%
Total	27%	27%	25%	24%	26%

HIL	2013	2014	2015	2016	2017
Baccalaureate	36%	32%	35%	30%	34%
Master	20%	20%	40%	20%	40%
Doctorate	100%	100%	100%	100%	100%
Total	36%	33%	38%	31%	38%

WOA	2013	2014	2015	2016	2017
Baccalaureate	0%	0%	0%	0%	0%
Total	0%	0%	0%	0%	0%

HAW	2013	2014	2015	2016	2017
Certificate	94%	88%	81%	71%	69%
Associate	48%	43%	48%	59%	62%
Adv Prof Cert					
Total	68%	62%	62%	64%	65%

HON	2013	2014	2015	2016	2017
Certificate	100%	100%	75%	64%	29%
Associate	40%	26%	32%	35%	43%
Adv Prof Cert	100%	100%	100%	100%	100%
Total	63%	55%	51%	47%	39%

KAP	2013	2014	2015	2016	2017
Certificate	36%	36%	36%	45%	30%
Associate	18%	18%	17%	21%	21%
Adv Prof Cert		100%	100%	100%	100%
Total	25%	30%	29%	34%	29%

KAU	2013	2014	2015	2016	2017
Certificate	80%	80%	80%	82%	69%
Associate	55%	55%	50%	71%	81%
Adv Prof Cert					
Total	67%	67%	64%	76%	76%

LEE	2013	2014	2015	2016	2017
Certificate	20%	20%	50%	67%	50%
Associate	20%	10%	25%	15%	29%
Adv Prof Cert					
Total	20%	13%	35%	36%	38%

MAU	2013	2014	2015	2016	2017
Certificate	64%	64%	73%	87%	87%
Associate	56%	67%	67%	58%	58%
Adv Prof Cert					
Baccalaureate	100%	100%	100%	100%	100%
Total	61%	68%	72%	73%	73%

WIN	2013	2014	2015	2016	2017
Certificate	0%	0%	0%	0%	0%
Associate	0%	0%	33%	0%	0%
Adv Prof Cert					
Total	0%	0%	20%	0%	0%

Institution	Degree Level	Major Description	Major Code	Outcome	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg		5 Year Avg		Avg Class	Subject	Campus Comments		
					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*	
UH Manoa Baccalaureate																									
		Astronomy†	ASTR	BA						4	7	14						N/A	-			23.0	Astronomy	The BOR approved the program in 2014, and the first cohort, assuming graduation in 4 years, will not complete the program until spring 2018. Data is not available on the 3- and 5-year average number of graduates.	1, 2, 3
		Astrophysics†	ASTP	BS						12	34	38						N/A	0.3			30.3	Physics	The BOR approved the program in 2014, and the first cohort, assuming graduation in 4 years, will not complete the program until spring 2018. Data is not available on the 3- and 5-year average number of graduates.	1, 2, 3
		Geology	GEOL	BA	10	8	8	8	9	4	9		3	2	1	3	2	2.0	2.0			18.1	Geology & Geophysics	Geoscience at UHM is ranked top 20-40 in 3 major international surveys. The faculty retooled the BA by adding tracks in environmental earth science & earth science education. Enrollment is rising but will take more time for growth in degrees conferred. The program is the only provider of workforce in Geotechnical science. Alumni are employed in private/government/NGO offices throughout the state and the Pacific. GG101 and GG101L support General Education and generate 1500 SSH per year.	1, 2, 3, 4
		Russian	RUS	BA	3	8	10	7	4	8	6			4	5	2	1	3.7	2.7			6.8	Russian	The program tripled recruitment efforts. The curriculum was updated to allow flexibility. Connections were established with ROTC, and the Russian Club attracts new majors. Scholarships support tuition and overseas study. The Chair regularly visits schools, global studies, Russian clubs, KCC, the Manoa Experience, and International Week to recruit. A second full-time person will support efforts to grow the program.	6
		Classics	CLAS	BA	6	9	10	11	15	23	14		2	5	1	3	8	3.0	4.0			19.6	Lang & Lit Europe & Americas	The program was revamped to provide exciting course options and flexibility which led to a surge in majors. Note the healthy average class size of 19.6. The graduation rate is already trending upward. The recent approval to hire an Instructor for Fall 2018 will contribute to the growth of the program.	6
		Botany	BOT	BA,BS	42	35	32	27	32	26	30		7	4	5	5	3	4.7	4.3			19.9	Botany	A recruitment committee will explore new ways to promote the programs and increase recruiting efforts in schools in Hawai'i, nationally and internationally. Per the National Fish and Wildlife Foundation, there is a national shortage of trained botanists. The department offers 35 courses that meet General Education requirements. Courses are taken by students with majors in CTAHR, Education, Biology, and Marine Biology.	1, 3, 4, 5
		Molecular Biosciences & Biotech	MBB	BS	12	18	15	22	22	29	39		2	2	4	4	6	3.3	4.7			42.0	Molecular Biosci & Bioengr	With the redesigned website, Facebook presence, and increased outreach to advisors, high school counselors, and the Biology program, we anticipate further enrollment increases. The program provides 45% of the upper division courses in the Biology program and addresses employment demand in biotechnology. Since 2013, the program has doubled majors and tripled the degrees awarded.	2, 5
		Medical Technology	MEDT	BS	10	10	14	9	12	12	19		2	4	8	1	7	4.3	5.3			5.8	Medical Technology	Clinical lab workforce shortages exist across the US and in Hawaii. UHM offers the only accredited program in Hawaii. The Department offers General Education courses to support other majors. The Department recently opened an admission option for second-degree students, which should increase enrollment.	1, 2, 4
		Philippine Lang and Lit	PHLL	BA	9	8	8	10	7	7	4		3	6	9	4	5	6.3	6.0			15.5	Filipino	(Fall enrollment is 13.) To increase enrollment, we are developing a third track to the program, and recently reduced the number of required credits. The language courses are popular and attract students from a wide range of majors. Faculty engage in outreach and recruitment. There is a shortage of interpreters and translators of Filipino and Ilokano in the state, and the program helps to meet this need.	1, 2, 3, 4, 5, 6
		Atmospheric Sciences	ATMO	BS	19	21	18	31	21	16	16		5	2	7	8	3	5.7	6.0			12.0	Atmospheric Sciences	The department is Internationally distinguished, and the program serves critical needs: training hurricane forecasters, predicting hazardous vog, and assessing impact of climate change. We are engaged with Oceanography to map a merger of our program with Global Environmental Science. The strong case for merging includes common core elements in the first two years, synergy of academic/research programs, and need for multidisciplinary approaches to solving environmental problems.	1, 2, 3, 4
		Dance	DANC	BA,BFA	40	36	27	35	25	22	20		8	7	6	7	6	6.7	6.3			13.3	Dance	Dance program representatives attend campus recruitment events regularly, and a new Facebook page increases visibility. New course offerings (Hip Hop, Jazz, Ballroom, and Bollywood) entice students to broader study and into our major. The Kennedy Theatre dance concert spurs interest in the dance major, and advisors encourage double and concurrent majoring.	2
		Pacific Islands Studies	PACS	BA	2	7	14	20	13	19	15		1	1	10	4	6	5.0	6.7			21.4	Pacific Islands Studies	Recruitment efforts have focused on producing promotional materials, participation in recruitment fairs, and high school and community college visits. Efforts for 2017-18 include expanding articulation agreements across the UH system and facilitating transfers from West Coast institutions.	2
		Biological Engineering	BENG	BS	33	31	43	47	57	48	43		5	5	8	7	8	6.7	7.7			8.8	Bioengineering	BE students are performing strongly academically and several have received merit-based scholarships. Active outreach and recruitment efforts, strong advising and a well-designed curriculum will continue the trend of increasing enrollment and graduation rates. There is a workforce shortage in the area of engineering.	1, 2
		German	GER	BA	8	11	17	12	22	19	3		3	8	3	9	12	6.7	8.0			13.6	German	Recent improvements include new courses, new General Education designations and the option of taking 1 or 2 courses in English on German topics. German established a \$200,000 endowment for scholarships.	6

\*1=Workforce shortage area  
 2=State need/UH priority  
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 4=Provides courses to meet gen. ed. requirements  
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Institution	Degree Level	Major Description	Major Code	Outcome	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg		5 Year Avg		Avg Class	Subject	Campus Comments	
					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*
		Physics	PHYS	BA,BS	66	67	59	64	66	59	41	5	6	5	12	9	7.7	8.7			30.3	Physics	Thirteen seniors are on track to graduate in 2018, bringing next year's 3-year average above 10. We are also continuing outreach efforts to increase enrollment and mandatory advising to keep students on track.	5
		Religion†	REL	BA	35	36	31	21	21	18	13	10	15	8	10	9	11.0	9.0			46.5	Religion	Although Religion remains a large General Education (GenEd) draw (note avg. class size), its enrollment has declined as other GenEd options have been generated, resulting in a lower attraction from the GenEd course into the major. We are reviewing our intro courses and other GenEd options.	4
		French 21% of Manoa Baccalaureate Programs	FR	BA	29	34	32	35	27	22	15	7	7	10	12	7	9.7	9.7			13.5	French	We currently have 23 majors, complemented by a similar number of Certificate students. To attract more majors, the BA was updated to provide more electives and flexibility. Majors are recruited and supported with scholarships to study in Annecy, Angers and Paris. Notably the number of graduates is almost ten students per year (9.7).	6
	Master																							
		Art History	ARTH	MA	6	4	4	7	9	8	4	1		1	1	4			1.8	1.4	3.8	Art	While the MA is smaller than ideal, it is a successful and cost-effective program. The cost of Teaching Assistants to teach intro level courses is less than lecturers, and no additional faculty are required for the program. Elimination would diminish UHM's reputation and increase operational costs.	4
		Food Science	FDSC	MS	1	3	5	4	4	8	10		2	1	2	2			1.2	1.4	11.0	Food Science & Human Nutrition	We will continue current efforts in student recruitment through international collaborations. There are only 3 tenured or tenure-track faculty members in the program, with one additional coming in spring 2018. Enrollment has grown in the last few years.	1, 2
		Biological Engineering	BENG	MS	3	4	6	4	8	5	5	1	2	1	2	2			1.6	1.6	13.4	Molecular Biosci & Bioengr	The faculty have preliminarily decided to merge the Biological Engineering M.S. program into the Molecular Biosciences and Bioengineering graduate program. Details for implementing the merger are still under development and review.	1, 2, 3
		East Asian Lang & Lit-Chinese	EALC	MA	5	4	5	7	7	6	1		1	2	4	3			1.8	2.0	4.3	Chinese Language & Literature	We are in the process of consolidating all East Asian Languages and Literature graduate programs under a single umbrella by standardizing requirements, exams, and pathways across the language and discipline areas. This process should be complete by Spring 2018.	3
		Cell & Molecular Biology	CMB	MS	5	4	2	2	5	7	8	4	2	1	4			2.2	2.2	5.9	Cell and Molecular Biology	The CMB Master's program serves the UH Manoa stated priorities in integration of education and research, advancing the research enterprise, and meeting state workforce needs and shortages. To meet the needs of UH and the state, we will actively recruit additional qualified individuals through advertising and networking locally and nationally.	1, 2	
		Entomology†	ENTO	MS	11	10	11	12	13	10	14	2	2	2	5	1			3.4	2.4	7.5	Plant & Environmtl Protect Sci	This program turns away more than 50% of all applicants owing to a shortage of graduate faculty, and financial support for students. A new faculty hire is needed. The graduate faculty lost 8 members over five years, with only four tenure-track members remaining. The program contributes to state needs through key staffing to the Hawaii invasive species management effort, through the Department of Agriculture Plant Quarantine Division, HDoA Biological Control Division, Department of Land and Natural Resources, and USDA-APHIS pest identification group, quarantine assessment group, and the USDA-ARS research center in Hilo.	2
		Biomedical Sciences†	BIOM	MS	11	9	13	13	7	6	1	3	1	1	6	2			3.2	2.6	5.0	Biomedical Science	The program is undergoing a major revision to strengthen the curriculum, expand its graduate faculty, and extend the student base. By shifting away from the small full-time cohort model, the modified two-track program will recruit from a wider pool of students who will benefit from clinical research training.	1, 2, 3, 5
		Microbiology	MICR	MS	18	14	11	9	5	7	3	5	3	2	2	1			3.0	2.6	11.0	Microbiology	The Department presently consists of only four faculty members due to attrition since 2012. The department is in the process of recruiting a virologist and is advertising for a clinical microbiologist to bring faculty numbers up to re-build the graduate program back to a critical mass.	2
		Biomed Sci (Tropical Medicine)	BMDT	MS	6	8	6	8	8	9	8	3		3	3	5			2.2	2.8	9.0	Tropical Med & Medcl Micro	The number of MS students is limited by availability of GAships. The program is an important recruitment mechanism for PhD students. Productivity of MS graduates is high: at least one peer-reviewed publication/student and institutional and national awards.	1,2,3,5
		Travel Industry Management†	TIM	MS	16	10	10	13	14	14	14	3	5	2	4	1			3.4	3.0	3.9	Travel Industry Management	Three students are graduating December 2017, and we anticipate 2-3 graduating May or August 2018, raising the 5-year average above the threshold. A recent program review noted that, "the School of Travel Industry Management is vital for the State of Hawai'i and the Asia-Pacific region."	2
		Tropical Plant Pathology 14% of Manoa Master Programs	TRPP	MS	4	1	7	9	13	11	15		1	2	6	6			2.4	3.0	7.5	Plant & Environmtl Protect Sci	We will continue recruitment efforts by promoting this program nationally and internationally. The program meets state, national, and international needs in the prevention and management of tropical plant pathogens in food production and natural systems by supplying qualified graduates to fill positions in these critical areas. A new faculty hire is needed.	2, 3
	Doctorate																							

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Institution	Degree Level	Major Description	Major Code	Outcome	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg		5 Year Avg		Avg Class	Subject	Campus Comments	
					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*
	Theatre	THEA	PHD		12	13	11	9	13	15	19	1						0.4	0.2	3.1	Theatre	The PhD is the premier international program in Asian Theatre —most current professors of Asian Theatre in the U.S. are our graduates. 13 of 17 current students pursue this focus; the Performance Studies track has broadened our applicants. 3 ABD students will defend dissertations in 2018; 3 in 2019. Financial support would increase enrollment: for Fall 2017, only 3 of 9 admitted PhD applicants enrolled.	3	
	Entomology	ENTO	PHD		5	4	2	5	4	7	10		2					0.8	0.4	7.5	Plant & Environmtl Protect Sci	This program turns away over 50% of all applicants owing to a shortage of graduate faculty, and financial support for students. A new faculty hire is needed. The graduate faculty lost 8 members over five years, with only four tenure-track members remaining. The program has a robust national reputation for biological control of invasive pests, insect systematics and conservation, insect endosymbionts biology, and fruit fly management, and contributes to state needs through key staffing to the Hawaii invasive species management efforts. Students receive national recognition for their contributions.	2, 3	
	Marine Biology†	MB	PHD				15	28	35	43	42			2			N/A	0.4	10.0	Marine Biology	Approved in 2012, data is unavailable on 3- and 5-year average graduates. In 2012, 4 were admitted, and 2 have since graduated. We anticipate several more graduates from the 2012 and 2013 cohorts in the coming year. The program educates and retains local experts in Hawaiian marine biological systems, and provides technical leadership in marine biology for the state and the Pacific. Approximately 26% identify as Native Hawaiian/Pacific Islander or other underrepresented minority. Enrollment has grown with 80-120 applications/year for 8-12 positions. Approximately 25% percent are supported by NSF and other competitive federal awards.	2, 3		
	Tropical Plant Pathology	TRPP	PHD		6	5	3	4	7	4	4	1	1	1				1.2	0.6	7.5	Plant & Environmtl Protect Sci	A new faculty hire is needed. We will continue recruitment efforts by promoting this program nationally and internationally. The program meets state, national, and international needs in the prevention and management of tropical plant pathogens in food production and natural systems by supplying qualified graduates to fill critical positions.	2, 3	
	East Asian Lang & Lit-Chinese	EALC	PHD		10	8	9	12	11	15	13	1		2				1.0	0.6	4.3	Chinese Language & Literature	We are in the process of consolidating all East Asian Languages and Literature graduate programs under a single umbrella by standardizing requirements, exams, and pathways across the language and discipline areas. This process should be complete by Spring 2018.	3	
	Ocean & Resources Engineering	ORE	PHD		13	13	11	9	6	5	4		3	2				1.4	1.0	2.5	Ocean & Resources Engineering	The PhD underpins internationally acclaimed research and directly serves state needs (e.g., tsunami evacuation strategy). It serves a workforce shortage: all graduates are immediately employed in the field. Our PhD supports our MS and requires minimal resources to maintain. A new faculty hire (F18) and increased program flexibility will increase enrollment over the next 5 years. We are ABET accredited and several local companies provide internships for our students (validating a workforce shortage).	1, 2, 3, 4	
	Nutrition	NTRI	PHD		3	5	4	5	4	9	9		1	2	1	1			0.8	1.0	11.0	Food Science & Human Nutrition	The graduate chair is working on making the program more flexible for both animal science-based nutrition and human nutrition programs. This program is working on getting more funding for TA or RA positions to sustain the current enrollment. New faculty positions are needed to grow the program. Enrollment is increasing and the program is recognized nationally and internationally.	1, 2
	Developmental & Reprod Biology	DRB	PHD		6	7	9	9	9	8	8	2	1	2	1	1			1.2	1.4	2.0	Developmental & Repro Biology	The program is a highly specialized graduate program associated with the Institute for Biogenesis Research (IBR), 'Cloning Lab', one of UH's recognized centers of excellence. The program concentrates on passing the IBR legacy and developing a new generation of future educators and scientists with expertise in developmental and reproductive biology.	3
	East Asian Lang & Lit-Japanese	EALJ	PHD		18	21	22	20	18	17	18			5	1	1			2.0	1.4	5.8	Japanese Language & Literature	We are in the process of consolidating all East Asian Languages and Literature graduate programs under a single umbrella by standardizing requirements, exams, and pathways across the language and discipline areas. This process should be complete by Spring 2018.	3
	Tropical Plant & Soil Sciences	TPSS	PHD		10	10	11	9	7	5	5	1	1	2	2	1			1.8	1.4	5.3	Tropical Plant & Soil Sciences	A new faculty hire is needed (to help with the financial support for students). The department will continue recruitment efforts to promote the program. This is the top program for tropical horticulture, and graduates are sought by tropical countries worldwide. State industry leaders prefer TPSS graduates for their training in tropical soils and plants. The drop in enrollment is associated with a loss of Federal funding for tropical agriculture and the end of a scholarship fund (Monsanto).	2, 3
	Computer Science	CSCI	PHD		25	24	18	20	19	22	21	1	1	3	2				1.8	1.4	11.2	Information & Computer Sciences	UHM offers the only Ph.D. program in Computer Science in Hawaii. Our BOR-approved goal in 2013 was 2-3 students/year. Plans to increase enrollment: Incentivize research productivity and proposal writing; Create centers of excellence in security and data science; Involve employers; Communicate research successes and alumni stories.	2
	Music	MUS	PHD		24	24	22	27	26	23	23	1	1	1	4	1			2.0	1.6	3.9	Music	The Music Department considers its Ph.D. program to be efficient for the size of its faculty and scope of its content. This fact was recently highlighted in our most recent program review. The Pacific-Rim component of this degree (especially for the Ethnomusicology and Composition areas) reflects the UHM mission statement.	3
	Epidemiology	EPID	PHD		10	15	15	15	14	15	16	1	2	3	1	2			1.4	1.8	12.7	Public Health	The first cohort matriculated in 2011. Thus, the 5-year graduation rates are relatively low ,as coursework, exams, and research take 4-6 years. Our accrediting body increased the minimum number of credits from 30 to 42, extending time to graduation. Five candidates per academic year are now expected to graduate.	1

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Institution	Degree Level	Major Description	Major Code	Outcome	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg		5 Year Avg		Avg Class	Subject	Campus Comments	
					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*
		Urban and Regional Planning	PLAN	PHD	28	28	26	24	21	18	17	1		6	3			1.6	2.0	6.6	Urban & Regional Planning	We are the only institution in Hawaii that provides degrees in urban and regional planning. Over the last two years (FY 2016 and 2017), we have graduated nine students. We are continuing to increase recruitment of high quality doctoral students and to build mentorship programs through the PhD process.	1	
		Mechanical Engineering	ME	PHD	9	14	12	17	12	9	13	2		3	2			1.8	2.0	9.0	Mechanical Engineering	The department will take the following steps: Hire PhD students as TAs; match funds for "last-year" PhD graduation; increase cooperating graduate faculty; review T&P to require graduation of Ph.D. students for promotion to Professor and partial-fulfillment of PhD for tenure.	2, 3	
		Atmospheric Sciences	ATMO	PHD	18	19	21	23	18	15	17	1	2	5	2	1			2.4	2.2	8.0	Atmospheric Sciences	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
		Social Welfare	SWEL	PHD	22	24	21	20	15	8	8	2	2	3	3	1			2.2	2.2	16.1	Social Work	The doctoral program maintained a steady graduation rate over the last 3 years. The growth and improvement plan focuses on: 1) recruitment and fundraising to engage prospective students and increase the total enrollment; and 2) curriculum development and mentoring to improve student retention and graduation rates.	3
		Biomed Sci (Tropical Medicine)	BMDT	PHD	10	13	10	9	13	15	10	1	2	3	1	4			2.4	2.2	9.0	Tropical Med & Medcl Micro	Enrollment is limited by the availability of extramurally-funded GAships, and the department receives no institutional TAships. Since PhD training is research-intensive, faculty are restricted to 1-3 students each. These students require 4-5 yrs to produce a high-quality dissertation. Productivity of PhD graduates is high: 1-3 peer-reviewed publications/student and institutional, national and international awards.	1, 2, 3, 5
		Physics	PHYS	PHD	29	38	40	39	38	37	37	1	2	3	3	3			2.2	2.4	4.6	Physics	Current projections indicate 8 PhDs in 2018. The graduate faculty are implementing annual progress monitoring for all graduate students and maintaining current recruitment efforts.	3
		Chemistry	CHEM	PHD	25	27	30	30	27	29	26	2	2	3	4	2			2.6	2.6	6.8	Chemistry	Chemistry PhD students serve as TAs for 120 sections of Chemistry Lab, totaling >2500 SSH each year. However, graduate students must be mentored by research-active faculty. To increase program size, we are recruiting additional tenure-track faculty. In addition, well-funded faculty will support senior PhD students on RA positions, allowing the total number of students to be increased.	5
		East Asian Lang & Lit-Korean	EALK	PHD	25	29	24	20	19	22	24		8	2	2	2			3.0	2.8	5.9	Korean	We are in the process of consolidating all East Asian Languages and Literature graduate programs under a single umbrella by standardizing requirements, exams, and pathways across the language and discipline areas. This process should be complete by Spring 2018.	3
		Educational Psychology	EDEP	PHD	26	29	29	29	31	32	33	4	3	2	3	2			3.0	2.8	11.3	Educational Psychology	The program addresses State workforce needs in education, testing, and research. Graduates are leaders in the State and the University, across the US and internationally. We currently have 33 PhD students, 7 (21%) of whom are international. We anticipate at least five students graduating by May, 2018.	2
		Communication & Info Science†	CIS	PHD	28	32	29	27	31	32	28	6	3	2	3	1			4.0	3.0	15.7	Communication & Info Sciences	A new faculty hire is needed (to help with the financial support for students). The department will continue recruitment efforts to promote the program. This is the top program for tropical horticulture, and graduates are sought by tropical countries worldwide. State industry leaders prefer TPSS graduates for their training in tropical soils and plants. The drop in enrollment is associated with a loss of Federal funding for tropical agriculture and the end of a scholarship fund (Monsanto).	2, 3
		Geography	GEOG	PHD	20	18	18	20	24	25	24	5	2	3	2	3			2.6	3.0	8.0	Geography	Our graduation rate improved from 2.6 to 3.0 from 2016 to 2017. We have increased our recruiting efforts and have increased our enrollment of PhD students by 25% from 18 in 2013 to 24 in 2017. We expect to graduate more students in the next 2-3 years.	
		Civil Engineering†	CE	PHD	19	17	20	17	13	18	20	3	2	3	5	2			3.4	3.0	5.6	Civil & Environmental Engr	The date the data was frozen is problematic: According to our records, the averages are 3.6 and 3.2, respectively, which places the program above the threshold.	2
		Microbiology	MICR	PHD	16	17	14	7	13	10	8	3	3	5	4			2.4	3.0	11.0	Microbiology	The Department presently consists of only four faculty members due to attrition since 2012. The department is in the process of recruiting a virologist and is advertising for a clinical microbiologist to bring faculty numbers up to re-build the graduate program back to a critical mass.	2	
		<b>51% of Manoa Doctorate Programs</b>																						
		<b>UH Hilo Baccalaureate</b>																						
		Physics	PHYS	BA	14	14	16	29	29	27	19	2	3	2	5	5	3.3	4.0	16.1	Physics	Most Major are double majors with Astronomy; program works hand in hand with Astronomy.	4, 5		
		Natural Science	NSCI	BA	20	16	20	22	17	18	17	4	7	7	4	1	6.0	4.0		N/A	Continue to promote and work closely with the MAT program. Program was recently revised to align directly with Education Program and Hawaii State Teacher License requirements.	1, 2		
		Liberal Studies	LSTU	BA	5	2	4	6	5	53	32	3	4	3	2	8	3.0	4.3		N/A	Customizable bachelor's degree for students that require an individualized plan of study.	6		
		Astronomy	ASTR	BS	48	44	40	40	46	37	32	2	6	5	8	5	6.3	6.0	16.6	Astronomy	Majority of course offerings count towards General Education in Natural Sciences. Utilizes unique resources found on the Island of Hawai'i.	4		
		Mathematics	MATH	BA	40	42	37	47	45	40	28	8	6	8	7	7	7.0	7.3	20.8	Mathematics	Majority of courses count towards General Education Requirements	4, 5		
		Geography	GEOG	BA	27	21	18	22	22	29	44	6	9	9	6	8	8.0	7.7	21.0	Geography	Anticipated increase in majors due to Environmental Studies Track.	2, 4		
		Performing Arts	PART	BA	54	46	39	51	49	40	35	10	8	9	9	7	8.7	8.3	8.6	Music	Program has recently hired one Tenure Track Faculty member. Program re-vamp is underway.	4		

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Programs with Small Number of Degrees/Certificates of Achievement Awarded  
 Undergraduate programs with fewer than 10 graduates (3 year average)  
 Graduate programs with 3 or fewer graduates (5 year average)

Institution	Degree Level	Major Description	Major Code	Outcome	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg		5 Year Avg		Avg Class	Subject	Campus Comments						
					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*					
Hawai'i CC Certificate		Environmental Science	ENSC	BS	58	58	51	55	59	59	73	10	4	8	3	14	5.0	8.3			43.0	Environmental Science	Anticipated increase in enrollment since obtaining established status.	2					
		Chemistry	CHEM	BA	77	93	90	106	79	71	54	7	6	6	7	13	6.3	8.7			25.9	Chemistry	Courses serve as service courses for students completing Pre-Pharmacy requirements.	4, 5					
		Geology	GEOG	BA,BS	35	42	48	44	33	28	32	14	8	10	11	6	9.7	9.0			17.2	Geology	Program review underway. Utilizes unique resources found on the Island of Hawai'i.	4					
		Japanese Studies†	JPST	BA	52	43	40	40	38	35	27	12	12	14	7	8	11.0	9.7			16.7	Japanese	Program review underway. Culturally important program to Hawaii State and Island.	4, 5					
		<b>34% of Hilo Baccalaureate Programs</b>																											
		<b>Master</b>																											
			Hawaiian Language & Literature	HAWL	MA	16	16	12	10	8	13	13	6	3		1							2.0	2.0	5.0	Hawaiian Education-	Program is offered on a cohort schedule, admitting every 2-3 years	2, 3	
			Indigenous Lang & Culture Educ†	ILCE	MA	3	5	6	9	9	7	7		6		9								3.8	3.0	9.0	Keelikolani	Program is offered on a cohort schedule, admitting every 2-3 years	2, 3
		<b>40% of Hilo Master Programs</b>																											
		<b>Doctorate</b>																											
			Hawn&Indigenous Lang&Cult Rev	HILC	PHD	3	2	5	5	13	12	11	1			1								0.4	0.4	5.0	Hawaiian	Program is offered on a cohort schedule, admitting every 3-5 years	2, 3
			Pharmaceutical Sciences†	PHPS	PHD	7	11	13	9	11	13	9				2	3							0.4	1.0	29.7	Pharmaceutical Science	First graduates completed program. Application for established status in 2018, expect enrollment growth.	3
		<b>100% of Hilo Doctorate Programs</b>																											
			Marketing	MKT	CA	1	2	1	2	1	1	2		1		2	3	1.0	1.7							11.1		The Marketing Program is currently working on developing the Marketing and Management Degree in response to industry's need for individuals employed in Management to have an understanding of Marketing since a lot of organizations merge the two positions to save money.  The program faculty is researching names that are more representative of the altered curriculum and will petition for a name change that reflects actual employment positions in industry. The current name of the program does not clearly communicate to students the positions for 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.	
		Trop Forest Ecosys & Agrof Mgt	TEAM	CA	1		1		1		3		2	3	6	2	3.7	3.7							5.4		TEAM Program has received funds (approximately 10 K) from USDA grant to hire a recruitment coordinator to work with High School Forestry Clubs for FY 2017/18, which will hopefully boost enrollment.  The HOST program is in the process of reviewing the entire curriculum.	1, 2, 3	
		Hospitality and Tourism	HOST	CA	2	3	2	3	2	2	1		3	1	8	4	4.0	4.3							11.2		A long-time HOST faculty has retired, and a new faculty was hired but did not work out. We are in the process of hiring a new faculty. With the hiring of a new faculty, it will be a good opportunity to revamp the program.  The program is continuing to work with national and local professional organizations, including the International Association of Administrative Professionals (IAAP) and local chamber of commerce, to bring more rigor and relevance to the program.  Program course offerings are being reviewed to see whether they meet the current and future needs of the industry.  The program has adjusted the section offerings to meet the lower demand. More courses are now being offered once a year.  Advisory Council recommendations still indicate that there is a need for BTEC graduates in our community.		
		Business Technology	BTEC	CA	7	2	2	3	2	1	2	2	5	6	3	8	4.7	5.7							12.4		BTEC has also made modifications to the program so that courses are aligned with other programs including Accounting and course subjects are not unnecessarily duplicated.		

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					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*
		Early Childhood Education	ECED	CA	6	2		10	7	1	2		2	2	9	7	4.3	6.0			15.5		1) ECED faculty continue to coordinate with sister campuses for online delivery of required ECE courses 2) ECED faculty will notify counselors about future course scheduling for more efficient and effective advisement of students 3) ECED will expand options for required ECE course delivery by developing more F2F classes into Polycom and/or online courses so students can access course islandwide. 1) Workforce shortage-per UHCC EMSI Data Set, ECE is in the top 30% of the Fastest Growing Occupations and in the top 10% of the Largest Occupation group in Hawai'i County; unfortunately, it is a low-wage job. 2) State Need - a) The EOEL (State Executive Office of Early Learning) is expanding the amount of public preschools; (b) Hawai'i P-20 Strategic Plan, which is tied to EOEL, wants to increase the amount of quality preschool classrooms statewide; hopefully, to increase by 5 classrooms in addition to the 21 classrooms that are already established statewide.	1, 2
		Architectural Eng & CAD Tech	AEC	CA				6	2	3			3	4	11		2.3	6.0			11.6		AEC faculty will continue to advise students and follow up with them to cut down on attrition. AEC also continues to participate in numerous job/career fairs to promote program and students' projects. AEC is also working with other University of Hawaii Campuses to offer students more flexibility and transfer opportunities. AEC is looking at industry needs and may need to tweak its curriculum.	
		Agriculture	AGR	CA	1	1	2	2	1		1	1	1	7	3	9	3.7	6.3			-		AGR is currently modifying program to try and meet the Hawaii Sustainability Initiative, therefore anticipating growth in the program. Faculty and staff will provide intrusive advising and will work with the counselors to engage students in resources and services to decrease attrition. AGR also continues to participate in numerous job/career fairs to promote program and students' projects. AG admits a new cohort of students every other year and has a maximum capacity of 16 students.	
		Diesel Mechanics†	DISL	CA	1			6	5	2	1	1	13		20	2	11.0	7.3			-		DISL is currently doing a study on industry employment growth. If warranted and if funds are available for required resources, the program will look into accepting a new cohort of students every year. DISL also continues to participate in numerous job/career fairs to promote program and students' projects. DISL accepts a new cohort of students every other year and has a maximum capacity of 19. Note certificates awarded in 2014 is 13 and in 2016 is 20.	
		Information Technology	IT	CA		1	2	2	2	3	1	1	5	1	10	12	5.3	7.7			12.4		While the 3-year average is below 10, the last two years did show at least 10 graduates. Recruitment efforts can be stepped up by visiting high schools and job fairs, and working with marketing. Retention will also be addressed in more difficult classes by providing tutoring and monitoring at-risk students.	1,2,4,5
		Practical Nursing	PRCN	CA	54	43	32	42	31	28	19	8	9	7	10	7	8.7	8.0			8.5		Only 10 students are admitted every academic year. 2014 took exam = 7, licensure pass rate 6/7 = 86% 2015 took exam = 11, licensure pass rate 8/11 = 73% 2016 took exam = 6, licensure pass rate 6/6 = 100% 2017 not everyone has taken exam yet	
		Accounting 69% of Hawaii Certificate Programs	ACC	CA	4	6	4	7	5	4	2	1	2	3	13	9	6.0	8.3			16.5		The ACC program will work with Admissions and Records to determine if the CAs can still be awarded. An analysis of graduates for 2013 - 2017 indicates 36 students were awarded an AAS Accounting degree but not a CA. In 2013 and 2014, an additional 10 CAs should have been awarded each year; in 2015, an additional 14 CAs should have been recorded; and in 2016 and 2017, 1 additional CA should have been awarded. CAs were not awarded even when AAS degrees were because substitutions approved for the AAS were not simultaneously approved for the CA. This prevented the automatic awarding of the CA, which normally would occur when the AAS was earned. The most common substitutions were ACC 20 for ACC 120 and IS 55 for IS 101. The program will work with Admissions and Records to determine if the CAs can still be awarded.	
	Associate	Natural Science	NSCI	AS				20	46	59	59				3	3	1.0	2.0			8.9		NSCI has been collaborating with UHH to fill our gaps by allowing HawaiiCC students into their BIOL, CHEM, and PHYS lecture and lab sections. HawaiiCC is working on having its own physics and chemistry labs and as well as a prep room for biology to efficiently schedule and run the labs. NSCI was first offered in AY 2015 and experienced growing pains because of the lack of facilities (labs) and resources (lab equipment and supplies).	1, 2, 3
		Trop Forest Ecosys & Agrof Mgt	TEAM	AS	52	36	37	29	25	28	20	3	4	4	4	3	4.0	3.7			5.4		TEAM Program has received funds (approximately 10 K) from USDA grant to hire a recruitment coordinator to work with High School Forestry Clubs for FY 2017/18, which will hopefully boost enrollment.	1, 2, 3

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		Diesel Mechanics	DISL	AAS	32	46	22	22	25	20	25	4	12		12	8.0	4.0			-		DISL is currently doing a study on industry employment growth. If warranted and if funds are available for required resources, the program will look into accepting a new cohort of students every year. DISL also continues to participate in numerous job/career fairs to promote program and students' projects. DISL accepts a new cohort of students every other year and has a maximum capacity of 19. Note degrees awarded in 2014 is 13 and in 2016 is 12.		
		Hospitality and Tourism	HOST	AAS	43	52	43	32	33	28	32	5	10	5	5	2	6.7	4.0			11.2		The HOST program is in the process of reviewing the entire curriculum.  A long-time HOST faculty has retired and a new faculty was hired but did not work out. We are in the process of hiring a new faculty. With the hiring of a new faculty, it will be a good opportunity to revamp the program.	
		Marketing	MKT	AAS	31	29	26	27	32	27	20	4	8	7	2	3	5.7	4.0			11.1		The Marketing Program is currently working on developing the Marketing and Management Degree in response to industry's need for individuals employed in Management to have an understanding of Marketing since a lot of organizations merge the two positions to save money.  The program faculty is 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 clearly communicate to students the positions for 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.	
		Carpentry Technology	CARP	AAS	46	47	36	30	25	30	31	11	11	3	7	4	7.0	4.7			16.3		CARP faculty will continue to encourage students to choose the AAS option and will provide advising, resources, and services to decrease attrition. CARP also continues to participate in numerous job/career fairs to promote program and students' projects. The difference between a CARP CA and CARP AAS are general education requirements. The CARP skill courses are exactly the same for both degrees. There is no additional cost to offer the AAS degree.	
		Architectural Eng & CAD Tech	AEC	AAS	45	41	33	26	43	31	24	9	6	2	8	5	5.3	5.0			11.6		AEC faculty will continue to advise students and follow up with them to cut down on attrition. AEC also continues to participate in numerous job/career fairs to promote program and students' projects. AEC is also working with other University of Hawaii Campuses to offer students more flexibility and transfer opportunities. AEC is looking at industry needs and may need to tweak its curriculum.	
		Auto Body Repair & Painting	ABRP	AAS	43	46	39	31	29	23	25	7	6	8	6	3	6.7	5.7			11.0		ABRP faculty and staff will continue to encourage students to choose the AAS option and will provide advising, resources, and services to decrease attrition. ABRP also continues to participate in numerous job/career fairs to promote program and students' projects. The difference between an ABRP CA and ABRP AAS are general education requirements. The ABRP skill courses are exactly the same for both degrees. There is no additional cost to offer the AAS degree.	
		Early Childhood Education	ECED	AS	121	102	84	65	66	64	52	10	13	10	4	6	9.0	6.7			15.5		1) ECED faculty continue to coordinate with sister campuses for online delivery of required ECE courses 2) ECED faculty will notify counselors about future course scheduling for more efficient and effective advisement of students 3) ECED will expand options for required ECE course delivery by developing more F2F classes into Polycom and/or online courses so students can access course islandwide. 1) Workforce shortage-per UHCC EMSI Data Set, ECE is in the top 30% of the Fastest Growing Occupations and in the top 10% of the Largest Occupation group in Hawai'i County; unfortunately, it is a low-wage job. 2) State Need - a) The EOEL (State Executive Office of Early Learning) is expanding the amount of public preschools; (b) Hawai'i P-20 Strategic Plan, which is tied to EOEL, wants to increase the amount of quality preschool classrooms statewide; hopefully, to increase by 5 classrooms in addition to the 21 classrooms that are already established statewide.	1, 2
		Agriculture	AGR	AAS	34	44	32	41	26	21	21	4	6	8	4	8	6.0	6.7			-		AGR is currently modifying program to try and meet the Hawaii Sustainability Initiative, therefore anticipating growth in the program. Faculty and staff will provide intrusive advising and will work with the counselors to engage students in resources and services to decrease attrition. AGR also continues to participate in numerous job/career fairs to promote program and students' projects. AGR admits a new cohort of students every other year and has a maximum capacity of 16 students.	
		Information Technology	IT	AS	39	41	49	37	40	46	40	8	6	4	9	8	6.3	7.0			12.4		Recruitment will be important to continue to bring new students to the program. The AS program has some very challenging classes, and we will need to focus on retention efforts. We can look at tutoring and other ways of providing more support to first year students in order to retain students to the second year.	1,2,4,5

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Institution	Degree Level	Major Description	Major Code	Outcome	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg		5 Year Avg		Avg Class	Subject	Campus Comments		
					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*	
Honolulu CC Certificate		Hawaiian Studies	HWST	AA		19	53	55	52	64	64	1	3	9	10	9	7.3	9.3			12.0		I Ola Hāloa houses the AA Hawaiian Studies (AA-HWST) degree and provides services that mark HawaiiCC and the University of Hawai'i system as a model indigenous serving institution. A program modification will be submitted for the AA-HWST degree this academic year to retire and redescribe certain courses, revamp the Hula and Kapuahi concentrations within the degree and aligning AA-HWST with AA Liberal Arts. Program will increase outreach strategies to Hawai'i island communities and initiate communication with other schools and programs across the state to strengthen enrollment. HWST 107 received WI designation, plans to apply for HAP designation and to explore collaboration with STEM related courses to increase enrollment. The Paepae 'Ōhūa Native Hawaiian Student Success Center will be increasing the number of academic success and cultural workshops offered during the academic year, maintaining the Waihonua Media lab and other I Ola Hāloa designated study areas, increasing the number of peer mentors available for mentoring and limited tutoring services, and offering internship opportunities for HWST majors.		
		Automotive Mechanics Tech† 62% of Hawaii Associate Programs	AMT	AAS	91	82	70	68	56	45	34	16	19	10	9	10	12.7	9.7			18.4		AMT faculty and staff will continue to encourage students to choose the AAS option and will provide advising and resources and services to decrease attrition. AMT also continues to participate in numerous job/career fairs to promote program and students' projects.  The difference between a AMT CA and AMT AAS are general education requirements. The AMT skill courses are exactly the same for both degrees. There is no additional cost to offer the AAS degree.		
		Fashion Technology	FT	CA	6	4	10	11	8	9	9			3	2	12	1.7	5.7			12.8		The program has consistently produced a number of exceptional graduates who have generated national and local media coverage through Project Runway, an international design competition aired on national television. Additional outreach efforts through accelerated high school pathway programs are being explored to potentially support surrounding high schools.	3	
		Electrical Install&Maint Tech	EIMT	CA	4	9	7	9	7	5	7			4	4	10	2.7	6.0			15.5		EIMT is a popular program with a two-year waitlist, and enrollment is limited to the physical limitations of the shop and the number of faculty. We are reviewing a way to revise the sequence of courses that will facilitate degree completion.	1	
		Human Services	HSER	CA	4	4	2	6	8	3	2	3		6	10	9	5.3	8.3			16.1		Specific year-to-year persistence (77.5%) and fall-to-spring (54.5%) retention indicate an upward trend to suggest future increases in student completion. Will review overall quality of academic program and degree/certificate offerings. Will continue to promote 4-year transfer opportunities to UH Manoa's Myron B. Thompson School of Social Work.	1	
		Early Childhood Education	ECED	CA	14	20	14	25	20	3	5			1	6	11	9	6.0	8.7			11.2		The Early Childhood Education (ECED) program plays a vital role in producing professionally licensed student graduates to support a variety of professions ranging from infant, toddler, to preschool training programs. We will review overall quality of academic program and degree/certificate offerings. Additionally, the ECE program is launching a new accelerated high school pathway with Farrington HS to directly improve high school college bound matriculation numbers in a dedicated CTE pathway.	1
		Sheet Metal & Plastics Tech 29% of Honolulu Certificate Programs	SMP	CA	6	6	8	11	19	23	12	11	12	10	3	15	8.3	9.3			19.6		SMP is a two-year program with a single faculty member and takes in students every fall. Completion of the CA is dependent on whether the industry hires the students before they complete their first year. When they are not recruited for work in their first year, most qualify to earn the CA. There is the option to earn the AAS if the students choose to forgo employment and remain in school for another year.	1	
		Sheet Metal & Plastics Tech	SMP	AAS	16	21	14	14	5	4	3			1		1	0.3	0.3			19.6		A strong partnership with an industry that employs all who want to work discourages students to complete the AAS. Most of the students who complete the first year enter the workforce as apprentices. Although the college has been working with faculty and students to encourage completion of the AAS, employment appears to be the students' choice.	1	
		Hawaiian Studies	HWST	AA		2	17	15	14	21	27			2	1	2	3	1.7	2.0			13.2		A majority of HWST majors seem to be part-time students or double majors. Hon CC's enrollment and success of Native Hawaiian students have been steadily increasing, so we need to continue this momentum. The program is also piloting a mentoring program between faculty and students this semester.	3, 4
		Aeronautics Maint Tech	AERO	AS	50	69	74	86	75	75	100	6	2	3	5	3	3.3	3.7			15.8		The program is structured so students can earn the FAA certificate (which is required for employment as airframe and power plant mechanics) without completing degree requirements. The college plans to work with partners to provide advanced standing in the workplace for those who complete an AAS degree. HonCC AERO is the only program in the state that prepares airframe and power plant mechanics.	1, 3	

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					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*	
		Natural Science	NSCI	AS				21	44	63	84				8	4	2.7	4.0			13.6		The College is filling vacant full-time positions. Recently hired 2 full-time faculty to cover courses in Microbiology and Oceanography. Working to fill Chemistry position. The College is also working with other CC's to submit a multi-campus request to move the ASNS degree from provisional to established status.	4, 5, 6	
		Human Services	HSER	AAS,AS	70	75	82	81	79	55	61	9	11	9	5	4	8.3	6.0			16.1		The Human Service program plays an important role in helping to directly support broader social service areas, such as community health centers, family, child and youth service agencies and substance abuse programs. The Bureau of Labor Statistics Employment Projections for 2016-2026, project an occupational employment increase within the community care support sector. Per the report, service occupations will experience faster than normal growth with an anticipated 13.2% increase over the next ten years. (https://www.bls.gov/news.release/ecopro.nr0.htm). The program faculty have extensive industry relationships, which will also be explored to identify alternative student enrollment strategies that support current workforce needs.	1	
		Diesel Mechanics	DISL	AAS	7	22	24	29	31	26	25	2	10	2	16	1	9.3	6.3			-		DISL is a two-year program with a single faculty member so intake is conducted every other year. The completion rate is consistent with intake. This past May, DISL was granted NATEF certification.	1, 3	
		Communication Arts	CA	AAS,AS	79	82	92	74	53	54	52	6	9	8	5	7	7.3	6.7			8.6		The College lost its CA faculty member to retirement last spring. In order to address the challenges and start planning for the future, the College will be assembling an adhoc strategic industry advisory group to guide and inform the College. Three main focus areas and milestones have been identified, and the College would like to have a comprehensive development plan completed by the end of the Spring 2018 semester.	1	
		Fashion Technology†	FT	AAS	81	81	74	81	66	62	51	10	14	9	8	9	10.3	8.7			12.8		While the Fashion Technology program has produced a sufficient amount of graduates and is new to this report, the College will continue to work with stakeholders to review the overall quality of academic program. Additional outreach efforts through accelerated high school pathway programs are being explored to determine the overall feasibility.	3	
		Occupational Envir Safety Mgt†	OESM	AS	79	61	62	38	46	46	48	13	14	6	14	7	11.3	9.0			11.6		Most OESM students are employed in industry as safety professionals and attend school part-time. We will be looking at ways to develop a sequence of courses that will make it more convenient for students to complete an AS degree.	1	
		Carpentry Technology 43% of Honolulu Associate Programs	CARP	AAS,AS	56	42	42	44	45	56	62	11	4	9	9	10	7.3	9.3			16.9		The carpentry program has strong ties to the Carpenter's apprenticeship program. Although the industry is slowing down, there is still a high demand for carpentry students. We plan to encourage students to take advantage of the advance standing in apprenticeship offered by the Carpenter's Union for completing an AAS degree.	1	
		Advanced Prof Certificate Comp Electronics & Network Tech 100% of Honolulu APC Programs	CENT	APC	6	2	3	8	4	2	3			1	2		1.0	1.0			17.7				
Kapi'olani CC	Certificate	Marketing	MKT	CA	5	2	4		1		5	1	1				0.3	-			27.2		The Marketing program is undergoing major curriculum refocusing.	4	
		Dental Assisting†	DENT	CA				5	1					4	3	1	5	2.7	3.0			7.4		Some students are military spouses and they do not complete before moving; anticipate increase in enrollment now that Heald Program is no longer operational.	2
		Retail Management 30% of Kapiolani Certificate Programs	RETM	CA	29	16	8	15	11	9	11	8	9	5	6	5	6.7	5.3			19.4		The Marketing program is undergoing major curriculum refocusing.	4	
		Associate Educational Paraprofessional	EDPA	AS	6	15	16	17	17	13	10			1	2	1	1.3	1.0			13.5		This program is transitioning to a concentration in Lib Arts.	4	
		Marketing	MKT	AS	105	104	97	95	85	73	50	7	9	8	4	3	7.0	5.0			27.2		The Marketing program is undergoing major curriculum refocusing. Not actively recruiting for majors.	4	
		Mobile Intens Care Technician	MICT	AS	31	28	11	14	14	12	21	7	6	5	7	6	6.0	6.0			12.7		Students typically complete the Certificate of Achievement, which allows them to sit for licensure. They do not always complete the Gen Ed courses to complete the AS degree.	1	
		Hawaiian Studies 21% of Kapiolani Associate Programs	HWST	AA		7	33	49	46	52	42			6	9	9	8.0	8.3			-		New program, all courses are also offered for Liberal Arts.	2	
		Advanced Prof Certificate Information Technology	IT	APC	1	7	6	5	7	7	4	2	3	1	2	2	2.0	1.7			19.6		Students dual-enroll at UHWO and transfer prior to degree completion	2	
		Culinary Arts 100% of Kapiolani APC Programs	CULN	APC	2	4	5	6	8	9	1	5	4	10	3	8	5.7	7.0			18.9		Program now has a new facility that just opened fall 2017 to be able to expand the program to capacity.	3	
Kaua'i CC	Certificate	Plant Biology and Tropical Ag†	PBS	CA					1	3	2						-	-			3.8		Part of AS program. See below.	2,4	
		Business Technology	BTEC	CA	1		1	5	2	1	2	6	4				1.3	-			9.3		Program not admitting students 2017-18 as we redesign and modernize it.		
		Carpentry Technology	CARP	CA		1		3	2	4	2				1	2	0.3	1.0			6.5		Redesigning program.	1	

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Kauai CC	Certificate	Business†	BUS	CA					7	6	13					4	-	1.3			7.8		Program fairly new and building up student numbers.		
		Electrical Install&Maint Tech	EIMT	CA		2	1	2	5	3				1	6	3	2.3	3.3			8.3		Redesigning program.		
		Hospitality and Tourism	HOST	CA						1			2	1	3	1	6	1.7	3.3			14.2		Numbers swing annually depending on current job market on Kaua'i.	2
		Electronics Technology	ET	CA			1		1	2	1		1	1	5	6	2.3	4.0			9.7		Numbers swing annually depending on current job market on Kaua'i.	2	
		Early Childhood Education	ECED	CA	1		4	4	6	10	3	3	1	5	4	6	3.3	5.0			-		Enrollment improved in past two years, expecting more graduates as they complete requirements.	2	
		Accounting	ACC	CA	2	3	2	2			2	6	5	6	9	5	6.7	6.7			13.7		Students completing AAS degree without CA.		
	<b>69% of Kauai Certificate Programs</b>																								
	<b>Associate</b>																								
	Carpentry Technology	CARP	AAS	1	10	11	9	10	9	8				1	2	0.3	1.0			6.5		Redesigning program.	1		
	Business†	BUS	AS					18	35	36				1	2	0.3	1.0			7.8		Program fairly new and building up student numbers.			
	Auto Body Repair & Painting	ABRP	AAS	15	15	13	12	9	4	1	1		3		1	1.0	1.3			-		Program stopped out as of May 2017.			
	Natural Science	NSCI	AS			4	17	16	19	32				2	3	0.7	1.7			11.5		Program fairly new and building up student numbers.	4		
	Plant Biology and Tropical Ag†	PBS	AS						6	9					5	-	1.7			3.8		Going up for established in 2018.	2,4		
	Electrical Install&Maint Tech	EIMT	AAS		13	19	15	19	19	18				4	4	1.3	2.7			8.3		Redesigning program.			
	Hawaiian Studies	HWST	AA		15	39	34	31	33	26	1	7	3	5	1	5.0	3.0			13.0			2, 4		
	Electronics Technology	ET	AAS,AS	34	28	30	31	30	18	16	4	6	4	2	5	4.0	3.7			9.7		Numbers swing annually depending on current job market on Kaua'i.	2		
	Automotive Mechanics Tech	AMT	AAS	34	38	36	37	36	34	29	4	5	2	6	3	4.3	3.7			8.9		Program awarding mostly certificates as students don't take math and English required for AAS.			
	Early Childhood Education	ECED	AS	32	26	31	33	34	26	22	4	4	4	3	7	3.7	4.7			-		Enrollment improved in past two years, expecting more graduates as they complete.	2		
Business Technology	BTEC	AAS,AS	57	62	48	43	26	19	17	13	10	13	1	3	8.0	5.7			9.3		Program not admitting students 2017-8 as we redesign and modernize it.				
Hospitality and Tourism	HOST	AAS,AS	42	64	52	61	39	40	39	11	6	14	8	7	9.3	9.7			14.2		Numbers swing annually depending on current job market on Kaua'i.	2			
Culinary Arts†	CULN	AAS	62	63	44	38	32	38	28	9	13	13	7	9	11.0	9.7			11.8		Program awarding mostly certificates as students don't take math and English required for AAS.	2			
<b>81% of Kauai Associate Programs</b>																									
<b>Leeward CC Certificate</b>																									
Plant Biology and Tropical Ag†	PBS	CA					1	3	1				1		0.3	0.3			10.6		The CA in PBT was first introduced in Fall 2014. It will take a few years for students to plan their pathway to achieve the CA. The CA is a 34-38 credit program within the AS in PBT.	1, 2			
Digital Media Production	DMED	CA			1	3	4	4	5		7	1	8	1	5.3	3.3			16.6		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 students achieving the CA decreased as curriculum revisions were made especially in the specializations. The CA is a 30 credit program within the AS in Digital Media.	5			
Management	MGT	CA			4	7	11	6	5	1	3	2	7	7	4.0	5.3			22.3		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 students achieving the CA has increased, and we expect the number of CA's to continue to increase. The CA is a 24-27 credit program within the AS in Management.	5			
Television Production	TVPR	CA	2			2	1	1	2	11	5	13	1	4	6.3	6.0			20.0		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 fall 2015 cohort and due to attrition, the three year average for graduates declined.	1, 5			
Business Technology	BTEC	CA	4	6	5	6	11	8	5	19	15	8	3	11	8.7	7.3			13.9		The three year average in 2015-2017 decreased to 7.3 CA's. The program faculty are actively discussing plans to address the decline and to 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			
<b>50% of Leeward Certificate Programs</b>																									
<b>Associate</b>																									
Plant Biology and Tropical Ag†	PBS	AS					25	39	29				1	3	0.3	1.3			10.6		The AS in PBT was first introduced in Fall 2014. It will take a few years for students to plan their pathway to achieve the AS. The AS is a 64 credit program.	1, 2			
Television Production†	TVPR	AS	40	38	45	30	20	16	16	5	18	10	4	4	10.7	6.0			20.0		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 fall 2015 cohort and due to attrition, the three year average for graduates declined.	1, 5			
Business Technology†	BTEC	AAS,AS	194	175	140	131	125	114	72	14	19	10	7	10	12.0	9.0			13.9		The three-year average in 2015-2017 decreased to 9.0 AS's. The program faculty are actively discussing plans to address the decline and to ensure the program is relevant in meeting the needs of students. The AS is a 60-61 credit program.	5			
Hawaiian Studies	HWST	AA		10	49	62	56	45	54	1	5	6	11	12	7.3	9.7			22.0		The AA in Hawaiian Studies is still relatively new and continues to grow its majors.	2			
<b>29% of Leeward Associate Programs</b>																									
<b>Maui College Certificate</b>																									
Auto Body Repair & Painting	ABRP	CA			1				1				1	1	0.3	0.7			10.0		The full-time faculty just retired, and we are in the process of determining whether or not to keep this program. The program will not continue in its current form. The current low enrollment does not justify keeping the program in its current format.				

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		Hospitality and Tourism	HOST	CA	1	2	1	1				6	6	1	1	4	2.7	2.0			11.4		We will soon begin construction of a hospitality teaching lab, scheduled to open in 2019. The new teaching lab should help us attract new students and retain existing ones.	
		Fashion Technology	FT	CA	1	2						1	1	2	4	1.0	2.0			10.8		We implemented STAR GPS registration and improved the pass rate of students enrolled in vocational math, which we hope will improve the path to degree completion. Graduates from this program successfully start manufacturing businesses and enroll in baccalaureate degree programs.		
		Agriculture	AG	CA								1	2	1	3	1.0	2.0			13.3		We have changed the course map to better align with STAR GPS registration, which we hope will improve the path to degree completion. This program is essential for supporting the agricultural community, especially since the demise of the sugar industry.		
		Business Careers	BUSC	CA	1	1	6	1				5	9	5	4	3	6.0	4.0			20.0		The course map of this program has been changed to better align with STAR GPS and making the path to degree completion much clearer and achievable within four semesters. Prior to these changes, the path to graduating for students was confusing.	
		Early Childhood Education	ECED	CA					1			3	6	4	1	8	3.7	4.3			19.3		The students in this program tend to weave in and out of the program, while working in the Early Child Education field. Wages in this field are such that it is difficult for students to attend school and support a family at the same time. Look into establishing scholarships to support more students completing this certificate and subsequent degree on time.	
		Business Technology	BTEC	CA			1					20	17	5	5	7	9.0	5.7			12.6		The course map of this program has been changed to better align with STAR GPS and making the path to degree completion much clearer and achievable within four semesters. Prior to these changes, the path to graduating for students was confusing.	
		Administration of Justice	AJ	CA	2			1	1	1		9	5	5	9	5	6.3	6.3			18.2		We implemented STAR GPS registration and improved the pass rate of students enrollend in vocational math, which we hope will improve the path to degree completion. Graduates from this program have a strong placement rate with local businesses. Some of the students in this program are placed in jobs prior to completing the program.	
		Human Services	HSER	CA	1	2				2	4	2	4	6	7	6	5.7	6.3			17.3		The students in this program tend to weave in and out of the program, while working in the Early Child Education field. Wages in this field are such that it is difficult for students to attend school and support a family at the same time. Look into establishing scholarships to support more students completing this certificate and subsequent degree on time.	
		Construction Technology	SUSC	CA	1		2	1						1	4	14	1.7	6.3			16.3		The course map of this program has been changed to better align with STAR GPS and making the path to degree completion much clearer and achievable within four semesters. The construction industry on Maui is booming. One problem is that many of our students leave the program for work after taking only a class or two -- which isn't reflected in the data.	
		Electronics & Comp Engin Tech	ECET	CA			1					11	13	1	6	13	6.7	6.7			15.6		Most of the students in this program are pursuing the AA degree. Reverse transfer students complete the AA so they are also awarded this certificate.	
		Accounting	ACC	CA	2			1				18	10	5	9	9	8.0	7.7			17.3		Most accounting students pursue the AA and even the UHWO BAS degree program. Reverse transfer students complete the AA so they are also awarded this certificate.	
		Automotive Mechanics Tech 87% of Maui Certificate Programs	AMT	CA			1	1		1	1	7	4	9	3	14	5.3	8.7			14.4		The students in this program tend to weave in and out of the program while working. Also, we have limited shop size to graduate a very large number of students. Add more space or build a larger auto shop that will have room for hybrid and electric vehicle training.	
		<b>Associate</b>																						
		Auto Body Repair & Painting	ABRP	AAS	32	30	36	18	17	15	14	1	1	2	1	1	1.3	1.3			10.0		The full-time faculty just retired, and we are in the process of determining whehter or not to keep this program. The program will not contine in its current form. The current low enrollment does not justify keeping the program in its current format.	
		Natural Science	NSCI	AS		12	28	47	55	54	53	2	1	1	3		0.7	1.3			16.9		We had a major health incident with the lead faculty member in this program. As a result, the program was without a coordinator for an extended period of time. Many of our STEM students complete our AA without enrolling in the ASNS. We now have a new program coordinator who is working hard at improving the number of students in this program, including moving AA Students with STEM aspirations into the ASNS program.	
		Fashion Technology	FT	AAS	43	44	47	36	36	25	18	4	6	4	4	3	4.7	3.7			10.8		We implemented STAR GPS registration and improved the pass rate of students enrolled in vocational math, which we hope will improve the path to degree completion. Graduates from this program successfully start manufacturing businesses and enroll in baccalaureate degree programs.	
		Agriculture	AG	AAS	57	67	78	67	58	40	38	7	7	3	7	5	5.7	5.0			13.3		We have changed the course map to better align with STAR GPS registration, which we hope will improve the path to degree completion. This program is essential for supporting the agricultural community, especially since the demise of the sugar industry.	
		Early Childhood Education	ECED	AS	65	75	75	88	76	66	62	8	6	6	4	10	5.3	6.7			19.3		The students in this program tend to weave in and out of the program, while working in the Early Child Education field. Wages in this field are such that it is difficult for students to attend school and support a family at the same time. Look into establishing scholarships to support more students completing this degree on time.	
		Dental Hygiene	DH	AS	11	10	10	9	12	11	16	10		10		11	3.3	7.0			-		This is a low enrolled program by design, only accepting one cohort of students every two years. The graduation rate and job placement rates are over 90 percent. We believe this is already a strong program placing graduates into well paying careers.	
		Hospitality and Tourism	HOST	AAS	84	69	91	90	81	68	69	4	5	9	6	7	6.7	7.3			11.4		We will soon begin construction of a hospitality teaching lab, scheduled to open in 2019. The new teaching lab should help us attract new students and retain existing ones.	

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Programs with Small Number of Degrees/Certificates of Achievement Awarded  
 Undergraduate programs with fewer than 10 graduates (3 year average)  
 Graduate programs with 3 or fewer graduates (5 year average)

Institution	Degree Level	Major Description	Major Code	Outcome	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg		5 Year Avg		Avg Class	Subject	Campus Comments	
					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*
		Automotive Mechanics Tech	AMT	AAS	89	72	61	61	52	60	51	4	9	8	3	13	6.7	8.0			14.4		The students in this program tend to weave in and out of the program while working. Also, we have limited shop size to graduate a very large number of students. Add more space or build a larger auto shop that will have room for hybrid and electric vehicle training.	
		Construction Technology	SUSC	AAS	113	92	67	71	65	57	31	12	7	2	10	12	6.3	8.0			16.3		The course map of this program has been changed to better align with STAR GPS and making the path to degree completion much clearer and achievable within four semesters. The construction industry on Maui is booming. One problem is that many of our students leave the program for work after taking only a class or two -- which isn't reflected in the data.	
		Business Technology†	BTEC	AAS,AS	121	146	152	146	120	81	66	12	22	9	11	5	14.0	8.3			12.6		The course map of this program has been changed to better align with STAR GPS and making the path to degree completion much clearer and achievable within four semesters. Prior to these changes, the path to graduating for students was confusing.	
		Administration of Justice 58% of Maui Associate Programs	AJ	AAS,AS	71	96	78	62	51	45	51	7	6	8	12	7	8.7	9.0			18.2		We implemented STAR GPS registration and improved the pass rate of students enrolled in vocational math, which we hope will improve the path to degree completion. Graduates from this program have a strong placement rate with local businesses. Some of the students in this program are placed in jobs prior to completing the program.	
		<b>Baccalaureate</b>																						
		Engineering Tech	ENGT	BAS	16	17	13	13	13	11	13	4	4	2	4	1	3.3	2.3			3.9		Although a small program, 79% ENGT graduates have found a job as technicians, technologists, or systems engineers, and 68% on Maui, with average salaries of \$70,000. The lower division program has strengthened the math requirement, which should result in better prepared BAS students at the upper division.	
		Applied Business & Information Tech	ABIT	BAS	36	36	34	35	71	130	98	5	8	5	2	7	5.0	4.7			16.5		Program anticipates 16 graduates this coming spring and has for the past two years maintained around 100 majors. We are in the process of submitting a substantive change with WASC so ABIT can be offered via distance learning statewide.	
		Sustainable Science Management 100% of Maui Baccalaureate Programs	SSM	BAS		1	7	47	56	36	51		1		11	8	4.0	6.3			11.6		This program has had double digit graduates for the past two years, so the amount should drop from this report next year. We anticipate double digit number of graduates again this coming spring.	
<b>POSITIVE GAINS</b>																								
<b>UH Manoa</b>																								
<b>Baccalaureate</b>																								
		Geology & Geophysics‡	GG	BS	33	37	32	41	40	29	26	4	5	7	15	12	9.0	11.3			18.1		Geology & Geophysics	
<b>Master</b>																								
		Chemistry‡	CHEM	MS	12	12	7	8	11	9	10	8	2	1	3	3			3.0	3.4	6.8		Chemistry	
		Hawaiian‡	HAW	MA	19	24	26	20	17	21	23		7	2	1	7			2.8	3.4	5.2		Hawaiian	
<b>Doctorate</b>																								
		Mathematics‡	MATH	PHD	31	29	27	29	26	23	31	2	2	5	4	3			2.8	3.2	6.3		Mathematics	
<b>Hawai'i CC</b>																								
<b>Certificate</b>																								
		Carpentry Technology‡	CARP	CA	2	2	4	7	9	7	4	8	8	7	13	11	9.3	10.3			16.3			
<b>Honolulu CC</b>																								
<b>Certificate</b>																								
		Occupational Envir Safety Mgt‡	OESM	CA	5	6	3	5	3	4	1	5	3	8	17	5	9.3	10.0			11.6			
		Aeronautics Maint Tech‡	AERO	CA	9	15	23	20	38	32	19			8	18	5	8.7	10.3			15.8			
		Diesel Mechanics‡	DISL	CA	2		2		4	3		2	1	1	19	13	7.0	11.0			-			
		Fire & Envir Emergency Resp‡	FIRE	CA	8	9	12	16	5	9	6	1	5	20	3	20	9.3	14.3			16.4			
<b>Kapi'olani CC</b>																								
<b>Certificate</b>																								
		Mobile Intens Care Technician‡	MICT	CA					2		6	21	3	11	9	10	7.7	10.0			12.7			
<b>Kaua'i CC</b>																								
<b>Certificate</b>																								
		Culinary Arts‡	CULN	CA		2	9	10	5	4	5	16	11	1	12	28	8.0	13.7			11.8			
		Automotive Mechanics Tech‡	AMT	CA	2	1	7	5	1	2	2	6	5	3	11	39	6.3	17.7			8.9			
<b>Leeward CC</b>																								
<b>Certificate</b>																								

\*1=Workforce shortage area  
 2=State need/UH priority  
 3=Distinguishes UH nationally/internationally  
 4=Provides courses to meet gen. ed. requirements  
 5=Provides courses that meet requirements for other degrees  
 6=Essential component of liberal education

Programs with Small Number of Degrees/Certificates of Achievement Awarded  
 Undergraduate programs with fewer than 10 graduates (3 year average)  
 Graduate programs with 3 or fewer graduates (5 year average)

Institution	Degree Level	Major Description	Major Code	Outcome	Enrollment by Major - Fall							Degrees Awarded - FY					3 Year Avg		5 Year Avg		Avg Class	Subject	Campus Comments			
					2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2014-16	2015-17	2012-16	2013-17			Plans to Address	Justification*		
Maui College	Associate	Health Information Technology‡	HIT	CA			4	13	18	20	9				8	8	30	5.3	15.3			15.3				
		Information & Computer Science‡	ICS	CA			5	9	6	9	11	4	1	17	10	38	9.3	21.7					18.6			
	Health Information Technology‡	HIT	AS			12	104	118	179	151	118				7	8	16	5.0	10.3			15.3				
	Electronics & Comp Engin Tech‡	ECET	AS			86	91	84	89	79	77	65	12	4	11	12	10	9.0	11.0			15.6				

†New to small programs list. Program was above average degrees awarded threshold or not a qualified program in FY 2016.

‡Former small program. Program was below average degrees awarded threshold in FY 2016 and is above threshold in FY 2017.

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 2014 and graduate programs effective after Fall 2012 are excluded.
- Excludes programs which have been terminated or stopped out.
- Percent of total programs is based on the number of qualified programs.
- Average class size for the Community Colleges is taken from the UHCC Annual Report of Program Data review year 2017.
- Average class size for 4-year institutions taken from Fall 2016 courses offered in the subject which is the same as the major, or the predominant subject taken by students in the major where there is no direct match.
- Average class size for Master and Doctorate programs include all graduate level courses. 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.

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 6=Essential component of liberal education