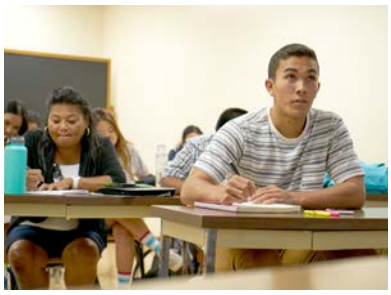
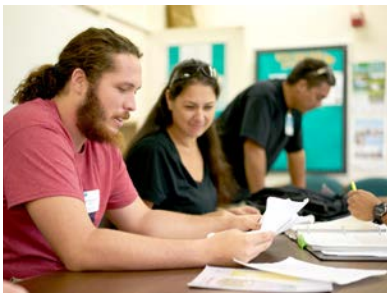




LIBERAL ARTS DEPARTMENTS, DISCIPLINES AND FACULTY

General Education in the Curriculum

Statement of Philosophy

Honolulu Community College believes in unlimited human potential. The General Education component in all programs is a part of the process that supports individuals by encouraging development in thought, communication, ethical deliberation, creativity, feeling, empathy, adaptability, and awareness by providing foundation skills necessary for successful living in an ever-changing, global environment.

In addition, General Education is a key to solving the problems of surviving and thriving for individuals, communities and nations because it provides a common basis of understanding that fosters collaboration and helps create a human community.

The Honolulu Community College General Education curriculum has comprehensive learning outcomes and ensures that students are able to meet those outcomes. These outcomes include the development of:

a) Understanding of the basic content and methodology of major areas of knowledge, including humanities and fine arts, natural sciences, and social sciences.

b) Skills necessary to be a productive individual and lifelong learner, which include oral and written communication, information competency, computer literacy, scientific and quantitative reasoning, critical analysis/logical thinking, and the acquisition of knowledge through a variety of means.

c) Qualities necessary to be an ethical human being and effective citizen. These include an appreciation of ethical principles, civility and interpersonal skills, respect for cultural diversity, historical and aesthetic sensitivity, and the willingness to assume civic, political and social responsibilities locally, nationally, and globally.

Program Mission: The mission of the Liberal Arts department is to offer comprehensive educational programs that provide meaningful learning and excellent teaching. The diverse disciplines in Liberal Arts supports an environment that fosters lifelong learning for the success of the individual as well as the community.

Program Learning Outcomes (PLOs)

The University College Divisions of Honolulu Community College are committed to providing the first two years of a traditional baccalaureate education by offering high-quality general education in liberal arts and sciences.

The student will be able to:

1. Communicate effectively by means of listening, speaking, reading, and writing in varied situations.
2. Apply quantitative reasoning skills to solve problems, evaluate arguments and chains of reasoning, and interpret information.
3. Demonstrate an understanding of life processes, individual development, thinking and behavior.
4. Demonstrate an understanding of the natural environment of the planet and learn to utilize natural resources sustainably.
5. Demonstrate a comprehension and skill with research methods and scientific inquiry.
6. Display knowledge of different groups and organizations in societies and respect for varied cultural values.

7. Demonstrate a greater ethical understanding and reasoning ability about contemporary ethical issues.
8. Identify and articulate in a reasoned manner the roots and causal basis of contemporary issues.
9. Demonstrate a knowledge of one or more art forms and the role that the arts play in history and culture.

Liberal Arts Departments

Humanities

Division Chair: Karadeen Kam-Kalani (845-9208, kamkara@hawaii.edu)

Faculty: Kara Kam-Kalani, Mieko Matsumoto, Sharleen Nakamoto-Levine, Mitchell Okamura, David Panisnick, Patrick Patterson, Ronald Pine, Cynthia Smith

Emeritus Faculty: Norman Hallett, Walter McGoldrick, Barbara Peterson, Marcia Roberts-Deustsch, Alan Yonan

The Humanities Department offers courses in American Studies, Art, Asian Studies, History, Humanities, Music, Philosophy, Religion, Speech and Theater.

Information and Computer Science

Liaison: Vern Takebayashi (847-9849, takebaya@hawaii.edu)

Faculty: Sandeep Chintabathina, Vern Takebayashi

Although the College does not offer a major in Computer Science, the ICS department offers ICS 101 to support Pre-Business students, ICS 110P and ICS 111 as introductory programming courses, and ICS 102 to support creative media students.

Kūlana Hawai'i (Hawaiian Programs)

Division Chair: Mark Alapaki Luke, (844-2372, markluke@hawaii.edu)

Faculty: Tiani Akeo-Basques, Paul Kalani Flores, Jacob Hau'oli Lorenzo-Elarco, Mark Alapaki Luke, Ka'iulani Murphy

Kūlana Hawai'i is comprised of the Nā Papa Hawai'i-Hawaiian Language and Hawaiian Studies Programs, and the Hulili Ke Kukui-Hawaiian Center. Nā Papa Hawai'i offers courses in Hawaiian Language, Hawaiian Studies, Hawaiian plants, Hawaiian Literature, and Voyaging. Hulili Ke Kukui provides comprehensive support services including the Po'i Nā Nalu Native Hawaiian Career & Technical Education Program which offers student success, career development, and cultural engagement support to Native Hawaiian students enrolled in CTE and STEM programs. Kūlana Hawai'i's mission is to perpetuate Hawaiian knowledge and traditional practices.

Language Arts

Division Chair: Shioko Yonezawa (845-9159, shioko@hawaii.edu)

Faculty: April Ching, Brenda Coston, Charlene Gima, Kym Hogan, Kalehua Kamakawiwoole, Brenda Kwon, Chris McKinney, Conred Maddox, Derek Otsuji, Bed Paudyal, Kenneth Quilantang Jr., Jerry Saviano, Eric Shaffer, Jeff Stearns, Shioko Yonezawa

Emeritus Faculty: Gloria Hooper

The Language Arts Department offers non-credit and credit courses in Composition, Literature, Business Writing, Journalism, Linguistics, Languages, East Asian Languages, and Literature (EALL), and English as a Second Language (ESL). Languages offered include Japanese, Korean, Chinese, Spanish, and American Sign Language.

Mathematics

Division Co-Chair: Steven Madraccia (847-9807, smandrac@hawaii.edu)

Faculty: Sterling Foster, Maureen Kearns, Prateek Kunwar, Ming Jing (Coco) Chi, Femar Lee, Sang (Mike) Lee, Steven Mandraccia, Elliot Ossanna, Gretel Sia

Emeritus Faculty: Alice Bertram, Jim Reeder

Students planning to take courses in Mathematics at Honolulu Community College should be aware that the courses are arranged in a definite sequence, with each course either serving as preparation for a succeeding course or as a final course in one part of the sequence. To help the student better visualize this sequence, a schematic is presented in the "Course Descriptions'' section of the catalog under Mathematics. Specific prerequisites also are listed in the Course Descriptions section. A grade of "C'' or higher in prerequisite courses is required.

Natural Sciences

Division Co-Chair: Mario Mediati (845-9201, mediati@hawaii.edu)

Faculty: Shidong Kan, Mario Mediati, Michelle Nathan, Gabriel Peckham, Brent Rubio, Paul Sherard, Kerry Tanimoto, Hsin-I Tong

The Natural Sciences Department offers courses in Astronomy, Atmospheric Sciences, Agriculture, Biochemistry, Biology, Botany, Chemistry, Civil Engineering, Electrical Engineering, Geology & Geophysics, Microbiology, Oceanography, Physics, Physiology, Science, and Zoology.

Social Sciences

Division Chair: Karadeen Kam-Kalani (845-9208, kamkara@hawaii.edu)

Faculty: John DeLay, Coty Gonzales, Lena Low, Fumiko Takasugi

Emeritus Faculty: David Cleveland

The Social Sciences Department offers courses in Anthropology, Economics, Geography and Environment, Political Science, Psychology, Social Science, Sociology and Women's Studies.

Liberal Arts Degree Programs

HAWAIIAN STUDIES (HWST)

Liaison: Mark Alapaki Luke (844-2372, markluke@hawaii.edu)

Office: Building 7-517

Faculty: Tiani Akeo-Basques, Paul Kalani Flores, Jacob Hau'oli Lorenzo-Elarco, Mark Alapaki Luke, Ka'iulani Murphy

Program Mission: Provide an opportunity for students to gain an understanding and knowledge of the host culture of Hawai'i, the Native Hawaiian language, culture and values.

Program Description: The Hawaiian Studies Associate in Arts will provide pathways, support, and recognition for students who are pursuing an AA at Honolulu Community College which is a two-year liberal arts degree that provides students with, 1) skills and perspectives fundamental to undertaking higher education; and, 2) a broad exposure to different domains of academic knowledge. This program will also ensure that students will enter a baccalaureate Hawaiian Studies program with the skills and knowledge required to promote success in the Hawaiian Studies major. The AA in Hawaiian Studies has comparable foundation, and diversification requirements to the Honolulu CC AA in Liberal Arts. It includes an expanded set of graduation requirements that, 1) provides students with a foundational introduction to the study of Hawaiian knowledge, cultural understanding, and values through exposure to origins, language, environment, craft, history, politics and culture; and, 2) supports the development and training of students toward the use of Hawaiian based knowledge and methods in the workforce and other areas of inquiry such as science, humanities, the arts, social sciences, and other professional endeavors.

Program Student Learning Outcomes (SLO): Upon successful completion of the AA in Hawaiian Studies, students will be able to:

- Demonstrate competency in spoken and written Hawaiian language and show a familiarity with the oral traditions and written literature of Hawai'i.
- Identify elements of the geology and geography of Hawai'i and the role of Hawaiian culture in understanding the 'āina (land/earth).
- Recognize, analyze, evaluate and work to solve contemporary economic, political and social problems in Hawai'i and their impact on Native Hawaiians.
- Utilize the Hawaiian understanding of ethics, philosophy, religion, and the worldview in solving contemporary issues.

Program Requirements: Hawaiian Studies AA Degree - 'Ōlelo Hawai'i Concentration

Program Prerequisites: *ENG 100 + ENG 100T or ESL 13 & 14, OR Placement in ENG 100 + ENG 100S or ESL 23, or higher*

	Suggested Semester *				
Core Requirements *:**	**1**	**2**	**3**	**4**	**AA Credits**
HAW 101 - Elementary Hawaiian I	✔				*4*
HAW 102 - Elementary Hawaiian II		✔			*4*
HAW 201 - Intermediate Hawaiian I			✔		*4*
HAW 202 - Intermediate Hawaiian II				✔	*4*
HWST 107 - Hawai'i: Center of the Pacific (DH)	✔				*3*
BOT 105 - Mea Kanu: Hawaiian Plants and Their Uses (DS) or *HWST 105 - Mea Kanu: Hawaiian Plants and Their Uses (DS)*		✔			*3*
HWST 270 - Hawaiian Mythology (DL)			✔		*3*
					25

HWST HAWAIIAN STUDIES

Electives ***:	Suggested Semester * 1	2	3	4	AA Credits
Choose 4-5 credits from the following Electives: (Select two different elective courses)					
• *HAW 110 - Evolution of Hawai'i's Languages (3)*					
• *HAW 261 - Hawaiian Literature in English (3) DL*					
• *HWST 110 - Huaka'i Wa'a: Introduction to Hawaiian Voyaging (3) and HWST 110L - Wa'a Ho'okele: Hawaiian Sailing Canoes Lab (1)*					
• *HWST 128 - Introduction to Hula Kahiko (3)*					
• *HWST 129 - Introduction to Hula 'Auana (3)*					
• *HWST 135 - Kālai Lā'au: Hawaiian Woodwork and Wood Carving (3)*					
• *HWST 207 - Mālama Ahupua'a: Hawaiian Perspectives in Ahupua'a (3)*					
• *HWST 228 - Hula Kahiko (3)*					
• *HWST 229 - Hula 'Auana (3)*					
• *HWST 255 - Intro to the Hawaiian Kingdom (3)*					
• *HWST 275 - Pana O'ahu (A), (B), or (C) (3)*					
• *HWST 281 - Ho'okele I: Hawaiian Astronomy and Navigation (3) DP and HWST 281L - Ho'okele I: Hawaiian Astronomy and Navigation Lab (1) DY*					
• *HWST 282 - Ho'okele II: Hawaiian Voyaging and Seamanship (3) DH and HWST 282L - Ho'okele II: Hawaiian Voyaging and Seamanship Lab (1)*					
• *HWST 284 - He Moku He Wa'a: The Island is a Canoe (3)*					
• *HWST 285 - La'au Lapa'au: Hawaiian Medicinal Herbs (4) DH*					
• *BOT 130 - Plants in the Hawaiian Environment (3) DB and BOT 130L - Plants in the Hawaiian Environment Laboratory (1) DY*					
• *GEO 122 - Geography of Hawai'i (3) DS*					
• *GG 103 - Geology of the Hawaiian Islands (3) DP*					
• *POLS 180 - Introduction to Hawai'i Politics (3) DS*					

Foundations Requirements **:	Suggested Semester * 1	2	3	4	AA Credits
ENG 100 - Composition I (FW)	✔				*3*
Quantitative Reasoning (FQ); 3 credits:		✔			*3*
Global & Multicultural Perspectives (2 courses) FG			✔	✔	*6*
					12

Diversification Requirements **: (Students may choose from the HWST AA Electives to fulfill Diversification requirements.)	Suggested Semester * 1	2	3	4	AA Credits
Choose 6 credits from 2 different groups: • *The Arts (DA)* • *Humanities (DH)* • *Literature and Language (DL)* • *Speech (1 course required)*	✔	✔	✔	✔	*6*
Choose 7 credits from 3 different groups: • *Natural Science: Biological Science (3) DB* • *Natural Science: Physical Science (3) DP* • *Natural Science Laboratory (1) DY*	✔	✔	✔	✔	*7*
Choose 6 credits from 2 different disciplines: • *Social Science (DS)*	✔	✔	✔	✔	*6*
Recommended Focus sections to include above: • *1 Writing Intensive (WI)* • *1 Contemporary Ethical Issues (HCC-E) (i.e. PHIL 101, POLS 120, REL 151, WS 151)*	✔	✔	✔	✔	
					19

Minimum Credits Required **60-61**

* Suggested courses for the first through the fourth semester are designated with a " ✔ ".

** General Education Requirements for the AA degree are listed under *DEGREES AND CERTIFICATES*.

*** A grade of "C" or higher must be earned in all program- required courses and electives.

Program Requirements: Hawaiian Studies AA Degree - Hoʻokele Concentration

Program Prerequisites: *ENG 100 + ENG 100T or ESL 13 & 14, OR Placement in ENG 100 + ENG 100S or ESL 23, or higher*

	Suggested Semester *				
Core Requirements *:**	**1**	**2**	**3**	**4**	**AA Credits**
HAW 101 - Elementary Hawaiian I	✔				*4*
and HAW 102 - Elementary Hawaiian II		✔			
HWST 107 - Hawai'i: Center of the Pacific (DH)	✔				*3*
HWST 281 - Hoʻokele I: Hawaiian Astronomy and Navigation (3) DP					*3*
and HWST 281L - Hoʻokele I: Hawaiian Astronomy and Navigation Lab (1) DY					*1*
HWST 282 - Hoʻokele II: Hawaiian Voyaging and Seamanship (3) DH					*3*
and HWST 282L - Hoʻokele II: Hawaiian Voyaging and Seamanship Lab (1)					*1*
BOT 105 - Mea Kanu: Hawaiian Plants and Their Uses (DS) *or HWST 105- Mea Kanu: Hawaiian Plants and Their Uses (DS)*		✔			*3*
HWST 270 - Hawaiian Mythology (DL)			✔		*3*
					25

	Suggested Semester *				
Electives *:**	**1**	**2**	**3**	**4**	**AA Credits**
Choose 4-5 credits from the following Electives: (Select two different elective courses) • *HAW 110 - Evolution of Hawai'i's Languages (3)* • *HAW 201 - Intermediate Hawaiian I (4)* • *HAW 202 - Intermediate Hawaiian II (4)* • *HAW 261 - Hawaiian Literature in English (3) DL* • *HWST 110- Huakaʻi Waʻa: Introduction to Hawaiian Voyaging (3)* *and HWST 110L - Waʻa Hoʻokele: Hawaiian Sailing Canoes Lab (1)* • *HWST 128 - Introduction to Hula Kahiko (3)* • *HWST 129 - Introduction to Hula ʻAuana (3)* • *HWST 135 - Kālai Lā'au: Hawaiian Woodwork and Wood Carving (3)* • *HWST 207 - Mālama Ahupuaʻa: Hawaiian Perspectives in Ahupuaʻa (3)* • *HWST 228 - Hula Kahiko (3)* • *HWST 229 - Hula ʻAuana (3)* • *HWST 255 - Intro to the Hawaiian Kingdom (3)* • *HWST 275 - Pana Oʻahu (A), (B), or (C) (3)* • *HWST 284 - He Moku He Waʻa: The Island is a Canoe (3)* • *HWST 285 - La'au Lapa'au: Hawaiian Medicinal Herbs (4) DH* • *BOT 130 - Plants in the Hawaiian Environment (3) DB* *and BOT 130L - Plants in the Hawaiian Environment Laboratory (1) DY* • *GEO 122 - Geography of Hawai'i (3) DS* • *GG 103 - Geology of the Hawaiian Islands 3) DP* • *POLS 180 - Introduction to Hawai'i Politics (3) DS*			✔	✔	*4-5*
					4-5

	Suggested Semester *				
Foundations Requirements ** :	**1**	**2**	**3**	**4**	**AA Credits**
ENG 100 - Composition I (FW)	✔				*3*
Quantitative Reasoning (FQ); 3 credits		✔			*3*
Global & Multicultural Perspectives (2 courses) FG			✔	✔	*6*
					12

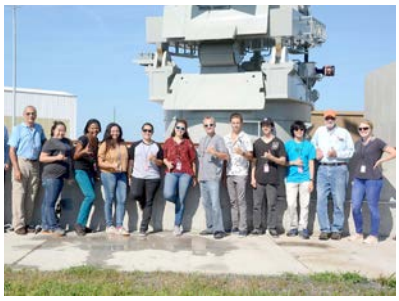
Diversification Requirements **: (Students may choose from the HWST AA Electives to fulfill Diversification requirements.)	**Suggested Semester *** 1	2	3	4	**AA Credits**
Choose 6 credits from 2 different groups: • *The Arts (DA)* • *Humanities (DH)* • *Literature and Language (DL)* • *Speech (1 course required)*	✔	✔	✔	✔	*6*
Choose 7 credits from 3 different groups: • *Natural Science: Biological Science (3) DB* • *Natural Science: Physical Science (3) DP* • *Natural Science Laboratory (1) DY*	✔	✔	✔	✔	*7*
Choose 6 credits from 2 different disciplines: • *Social Science (DS)*	✔	✔	✔	✔	*6*
Recommended Focus sections to include above: • *1 Writing Intensive (WI)* • *1 Contemporary Ethical Issues (HCC-E) (i.e. PHIL 101, POLS 120, REL 151, WS 151)*	✔	✔	✔	✔	
					19
Minimum Credits Required					**60-61**

* Suggested courses for the first through the fourth semester are designated with a "a".

** General Education Requirements for the AA degree are listed under DEGREES AND CERTIFICATES.

*** A grade of "C" or higher must be earned in all program- required courses and electives.

NATURAL SCIENCES (NS)



Liaison: Mario Mediati (845-9201, mediati@hawaii.edu)

Faculty: Liberal Arts Faculty in Math, Sciences and other disciplines

Program Mission: The Associate of Science in Natural Sciences degree program will prepare students to transfer to baccalaureate STEM (Science, Technology, Engineering and Mathematics) programs with recognized and supported pathways.

Program Description: The Associate of Science in Natural Sciences (AS-NS) degree is designed for students planning to transfer to a science, technology, engineering or mathematics (STEM) baccalaureate degree program at a four-year institution in Hawai'i or on the U.S. mainland.

Program Learning Outcomes (PLOs): Upon successful completion of the AS in Natural Sciences, students will be able to:

- Analyze data effectively using the most currently available technology.
- Communicate scientific ideas and principles clearly and effectively.
- Analyze and apply fundamental mathematical, physical and chemical concepts and techniques to scientific issues.
- Apply fundamental concepts and techniques in their chosen field of study, such as biology, chemistry, geology, and engineering.

Program Requirements: Natural Science AS Degree - Biological Sciences Concentration

Program Prerequisites: *ENG 100 or ESL 23, OR Placement in ENG 100; MATH 25 or Placement in MATH 103*

Recommended Prep: *Summer Bridge program to complete MATH 103 prior to program entry*

General Education Courses	AS Credits
Foundations Requirements **:	
ENG 100 - Composition I (FW)	*3*
MATH 241 - Calculus I (FQ)	*4*
Two courses from FGA, FGB, FGC	*6*
Diversification Requirements **:	
Select three Diversification courses below; two courses should also satisfy the Writing Intensive (WI) Focus Requirement, and one course should also satisfy the HAP Focus Requirement. Select an additional 3 credits if the DB/DP course is used to fulfill an Elective requirement, to satisfy the total minimum of 60 credits required for this degree.	
One course from DA, DH, DL	*3*
One course from DS	*3*
One course from DB or DP	*3*
	22

Core Requirements*	AS Credits
BIOL 171 - Introduction to Biology I	*3*
BIOL 171L - Introduction to Biology I Lab	*1*
BIOL 172 - Introduction to Biology II	*3*
BIOL 172L - Introduction to Biology II Lab	*1*
CHEM 161 - General Chemistry I	*3*
CHEM 161L - General Chemistry I Lab	*1*
CHEM 162 - General Chemistry II	*3*
CHEM 162L - General Chemistry II Lab	*1*
PHYS 151 - College Physics I or PHYS 170 - General Physics I	*3-4*
PHYS 151L - College Physics I Lab or PHYS 170L - General Physics I Lab	*1*

PHYS 152 - College Physics II or PHYS 272 - General Physics II	*3*
PHYS 152L - College Physics II Lab or PHYS 272L - General Physics II Lab	*1*
	24-25

Electives*	**AS Credits**
Choose 13-14 credits from the following electives, appropriate to Degree Concentration and intended baccalaureate pathway: • *AG 100 - Introduction to Agricultural Sciences (3)* • *BIOC 141 - Fundamentals of Biochemistry (3)* • *BIOC 142 - Elements of Biochemistry (3)* • *BIOL 123 - Hawaiian Environmental Science (3)* • *BIOL 124 - Environment and Ecology (3)* • *BIOL 124L - Environment and Ecology Lab (1)* • *BOT 101 - General Botany (3)* • *BOT 101L - General Botany Lab (1)* • *BOT/HWST 105 - Mea Kanu: Hawaiian Plants and their Uses (3)* • *BOT 130 - Plants in the Hawaiian Environment (3)* • *BOT 130L - Plants in the Hawaiian Environment Lab (1)* • *GEO 101 - The Natural Environment (3)* • *GEO 101L - The Natural Environment Lab (1)* • *GG 101 - Introduction to Geology (3)* • *GG 101L - Introductory Geology Lab (1)* • *GG 103 - Geology of the Hawaiian Islands (3)* • *ATMO 101 - Introduction to Meteorology (3)* • *ATMO 101L - Introduction to Meteorology Lab (1)* • *MICR 130 - General Microbiology (3)* • *MICR 140L - General Microbiology Lab (2)* • *OCN 101 - Marine Option Program Seminar (1)* • *OCN 102 - Introduction to the Environment and Sustainability (3)* • *OCN 201 - Science of the Sea (3)* • *OCN 201L - Science of the Sea Lab (1)* • *SCI 295V - Science, Technology, Engineering, and Mathematics (STEM) Research Experience (1-3)* • *ZOOL 101 - Principles of Zoology (4)* • *ZOOL 200 - Marine Biology (3)* • *ZOOL 200L - Marine Biology Lab (1)*	*13-14*
	13-14
Minimum Credits Required	**60**

* A grade of "C" or higher must be earned in all program-required courses and science electives; minimum 2.0 GPA.

** General Education Requirements for the AA degree are listed under *DEGREES AND CERTIFICATES*.

Program Requirements: Natural Science AS Degree - Physical Sciences Concentration

Program Prerequisites: *ENG 100 or ESL 23, OR Placement in ENG 100; MATH 25 or Placement in MATH 103*

Recommended Prep: *Summer Bridge program to complete MATH 103 prior to program entry*

General Education Courses	**AS Credits**
Foundations Requirements **:	
ENG 100 - Composition I (FW)	*3*
MATH 241- Calculus I (FQ)	*4*
Two courses from FGA, FGB, FGC	*6*
Diversification Requirements **: Select three Diversification courses below; two courses should also satisfy the Writing Intensive (WI) Focus Requirement, and one course should also satisfy the HAP Focus Requirement. Select an additional 3 credits if the DB/DP course is used to fulfill an Elective requirement, to satisfy the total minimum of 60 credits required for this degree.	
One course from DA, DH, DL	*3*
One course from DS	*3*
One course from DB or DP	*3*
	22

Core Requirements*	AS Credits
CHEM 161 - General Chemistry I	*3*
CHEM 161L - General Chemistry I Lab	*1*
CHEM 162 - General Chemistry II	*3*
CHEM 162L - General Chemistry II Lab	*1*
MATH 242 - Calculus II	*4*
PHYS 151 - College Physics I *or PHYS 170 - General Physics I*	*3-4*
PHYS 151L - College Physics I Lab *or PHYS 170L - General Physics I Lab*	*1*
PHYS 152 - College Physics II *or PHYS 272 - General Physics II*	*3*
PHYS 152L - College Physics II Lab *or PHYS 272L - General Physics II Lab*	*1*
	20-21

Electives*	AS Credits
Choose 17-18 credits from the following electives, appropriate to Degree Concentration and intended baccalaureate pathway: • *AG 100 - Introduction to Agricultural Sciences (3)* • *ATMO 101 - Introduction to Meteorology (3)* • *ATMO 101L - Introduction to Meteorology Lab (1)* • *BIOC 141 - Fundamentals of Biochemistry (3)* • *BIOC 142 - Elements of Biochemistry (3)* • *BIOL 101 - Biology and Society (3)* • *BIOL 101L - Biology and Society Lab (1)* • *BIOL 123 - Hawaiian Environmental Science (3)* • *BIOL 124 - Environment and Ecology (3)* • *BIOL 124L - Environment and Ecology Lab (1)* • *BOT 101 - General Botany (3)* • *BOT 101L - General Botany Lab (1)* • *BOT/HWST 105 - Mea Kanu: Hawaiian Plants and their Uses (3)* • *BOT 130 - Plants in the Hawaiian Environment (3)* • *BOT 130L - Plants in the Hawaiian Environment Lab (1)* • *GEO 101 - The Natural Environment (3)* • *GEO 101L - The Natural Environment Lab (1)* • *GG 101 - Introduction to Geology (3)* • *GG 101L - Introductory Geology Lab (1)* • *GG 103 - Geology of the Hawaiian Islands (3)* • *MICR 130 - General Microbiology (3)* • *MICR 140L - General Microbiology Lab (2)* • *OCN 101 - Marine Option Program Seminar (1)* • *OCN 102 - Introduction to the Environment and Sustainability (3)* • *OCN 201 - Science of the Sea (3)* • *OCN 201L - Science of the Sea Lab (1)* • *SCI 295V - Science, Technology, Engineering, and Mathematics (STEM) Research Experience (1-3)* • *ZOOL 101 - Principles of Zoology (4)* • *ZOOL 200 - Marine Biology (3)* • *ZOOL 200L - Marine Biology Lab (1)*	*17-18*
	17-18

Minimum Credits Required	**60**

* A grade of "C" or higher must be earned in all program-required courses and science electives; minimum 2.0 GPA.

** General Education Requirements for the AA degree are listed under *DEGREES AND CERTIFICATES*.

Cost of Textbooks/Supplies: The cost of textbooks and supplies is approximately $300 per semester for full-time students.

Program Requirements: Natural Science AS Degree - Engineering Concentration

Program Prerequisites: *ENG 100 or ESL 23, OR Placement in ENG 100; MATH 25 or Placement in MATH 103*

Recommended Prep: *Summer Bridge program to complete MATH 103 prior to program entry*

General Education Courses	**AS Credits**
Foundations Requirements **:	
ENG 100 - Composition I (FW)	*3*
MATH 241 - Calculus I (FQ)	*4*
Two courses from FGA, FGB, FGC	*6*
Diversification Requirements **: Select three Diversification courses below; two courses should also satisfy the Writing Intensive (WI) Focus Requirement, and one course should also satisfy the HAP Focus Requirement. Select an additional 3 credits if the DB/DP course is used to fulfill an Elective requirement, to satisfy the total minimum of 60 credits required for this degree.	
One course from DA, DH, DL	*3*
One course from DS	*3*
One course from DB or DP	*3*
	22

Core Requirements *	**AS Credits**
CHEM 161 - General Chemistry I	*3*
CHEM 161L - General Chemistry I Lab	*1*
CHEM 162 - General Chemistry II	*3*
EE 160 - Programming for Engineers	*4*
MATH 242 - Calculus II	*4*
MATH 243 - Calculus III	*3*
MATH 244 - Calculus IV	*3*
PHYS 170 - General Physics I	*4*
PHYS 170L - General Physics I Lab	*1*
PHYS 272 - General Physics II	*3*
PHYS 272L - General Physics II Lab	*1*
CE 270 - Applied Mechanics I (Statics) (3) or EE 211 - Basics Circuit Analysis I (4)	*3 or 4*
	33-34

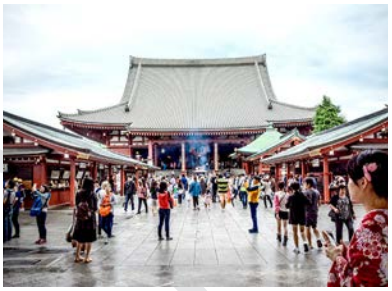
Electives*	**AS Credits**
Choose 4-5 credits from the following electives, appropriate to Degree Concentration and intended baccalaureate pathway: (*** indicates strongly recommended courses) • *AG 100 - Introduction to Agricultural Sciences (3)* • *ATMO 101 - Introduction to Meteorology (3)* • *ATMO 101L - Introduction to Meteorology Lab (1)* • *BIOC 141 - Fundamentals of Biochemistry (3)* • *BIOC 142 - Elements of Biochemistry (3)* • *BIOL 101 - Biology and Society (3)* • *BIOL 101L - Biology and Society Lab (1)* • *BIOL 123 - Hawaiian Environmental Science (3)* • *BIOL 124 - Environment and Ecology (3)* • *BIOL 124L - Environment and Ecology Lab (1)* • *BOT 101 - General Botany (3)* • *BOT 101L - General Botany Lab (1)* • *BOT/HWST 105 - Mea Kanu: Hawaiian Plants and their Uses (3)* • *BOT 130 - Plants in the Hawaiian Environment (3)* • *BOT 130L - Plants in the Hawaiian Environment Lab (1)* • *CE 270*** - Applied Mechanics I (Statics) (3)* • *CE 271*** - Applied Mechanics II (Dynamics) (3)* • *EE 211*** - Basics Circuit Analysis I (4)* • *EE 213*** - Basics Circuit Analysis II (4)* • *EE 296*** - Sophomore Project (3)* • *GEO 101 - The Natural Environment (3)* • *GEO 101L - The Natural Environment Lab (1)* • *GG 101 - Introduction to Geology (3)* • *GG 101L - Introductory Geology Lab (1)* • *GG 103 - Geology of the Hawaiian Islands (3)* • *ICS 111 - Introduction to Computer Science I - Java (4)* • *MICR 130 - General Microbiology (3)* • *MICR 140L - General Microbiology Lab (2)* • *OCN 101 - Marine Option Program Seminar (1)* • *OCN 102 - Introduction to the Environment and Sustainability (3)* • *OCN 201 - Science of the Sea (3)* • *OCN 201L - Science of the Sea Lab (1)* • *PHYS 151 - College Physics I (3)* • *PHYS 151L - College Physics I Lab (3)* • *PHYS 152 - College Physics II (3)* • *PHYS 152L - College Physics II Lab (1)* • *PHYS 274*** - General Physics III (3)* • *SCI 295V - Science, Technology, Engineering, and Mathematics (STEM) Research Experience (1-3)* • *ZOOL 101 - Principles of Zoology (4)* • *ZOOL 200 - Marine Biology (3)* • *ZOOL 200L - Marine Biology Lab (1)*	*4-5*
	4-5
Minimum Credits Required	**60**

* A grade of "C" or higher must be earned in all program-required courses and science electives; minimum 2.0 GPA.

** General Education Requirements for the AA degree are listed under *DEGREES AND CERTIFICATES*.

Liberal Arts Academic Subject Certificates

ASIAN STUDIES



Liaison: Patrick Patterson (845-9417, ppatters@hawaii.edu)

Description: Honolulu Community College offers students the opportunity to study the cultures of Asia in an interdisciplinary program leading to an Academic Subject Certificate in Asian Studies. This academic credential is included on student transcripts and can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Asia.

To receive this credential, the student must complete 30 credits of Asian Studies-related academic coursework. In addition, a student must show proficiency in an Asian language equivalent to or better than having finished the second semester of a first year college language course (i.e. JPN 102). A student can show proficiency through a transcript showing the student has finished the first year of an Asian Language course with a grade of "C" or higher, or by providing a certificate or letter showing the results of a placement test at a recognized university or college language testing facility. Native speakers of an Asian language can show proficiency by certifying their native speaker status. A grade of "C" or higher must be earned for all courses required in the certificate.

Requirements: Asian Studies Academic Subject Certificate *

General Education AA Foundation Requirements	ASC Credits
Written Communication	
ENG 100 - Composition (3)	*3*
Quantitative Reasoning	
MATH 100 - Survey of Mathematics (3) *or MATH 115 - Introduction to Statistics and Probability (3)* *or MATH 135 - Precalculus: Elementary Functions (3)* *or MATH 140 - Precalculus: Trigonometry and Analytic Geometry (3)* *or MATH 241 - Calculus I (4)* *or PHIL 111 - Intro to Inductive Logic (3)*	*3-4*
Global and Multicultural Perspectives	
HIST 151 - World History to 1500 (3) *HIST 152 - World History since 1500 (3)* *REL 150 - Introduction to the World's Major Religions (3)*	*6*
	12-13

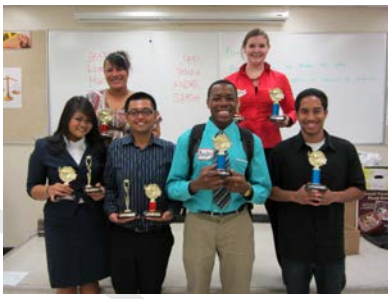
General Education AA Diversification Requirements	ASC Credits
Arts, Humanities, and Literatures	
ASAN 201 - Introduction to Asian Studies: East Asia (3)	*3*
ASAN 202 - Introduction to Asian Studies: South/South East Asia (3)	*3*
EALL 271 (ENG 271) - Japanese Literature in Translation (Traditional) (3) *or EALL 272 (ENG 272) - Japanese Literature in Translation (Modern) (3)* *or ENG 257M - Cross-Cultural Perspectives (3)*	*3*
ASAN 100 - Asian Perspectives (3)	*3*
Social Sciences	
ANTH 200 - Cultural Anthropology (3) *or POLS 120 - Introduction to World Politics (3)* *or SOC 212 - Introduction to the Sociology of Japan (3)*	*3*
	15

Electives: (Select 3 credits from the courses below)	**ASC Credits**
• *ASAN 250/ POLS 250 - Asian Politics Since 1900 (3)*	
• *ASAN 296C - Asian Popular Culture (3)*	
• *HIST 241 - Civilizations of Asia I (3)*	
• *HIST 242 - Civilizations of Asia II (3)*	
• *HIST 246 - The Vietnam War (3)*	*3*
• *PHIL 102 - Introduction to Philosophy: Asian Tradition (3)*	
• *REL 203 - Understanding Chinese Religions (3)*	
• *REL 204 - Understanding Japanese Religions (3)*	
• *REL 207 - Understanding Buddhism (3)*	
	3
Minimum Credits Required:	**30-31**

* A grade of "C" or higher must be earned for all courses required in the certificate.

Note: Students must also show proficiency in an Asian language equivalent to or better than having finished the second semester of a second year college language course (i.e. JPN 202).

COMMUNICATION



Liaison: Mitch Okamura (845-9470, mnokamur@hawaii.edu)

Description: Honolulu Community College offers its students the opportunity to study speech and interpersonal communication in a program leading to an Academic Subject Certificate in Communication. This academic credential is included on student transcripts and can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Speech and/or Communication.

To receive this credential, the student must complete courses in Speech. A grade of "C" or higher must be earned for all courses required in the certificate.

Requirements: Communication Academic Subject Certificate *

Core Requirements	ASC Credits
SP 151 - Personal and Public Speech	*3*
SP 251 - Principles of Effective Public Speaking	*3*
	6

Electives	ASC Credits
Choose 6 credits from the following Electives: • *SP 253 - Argumentation and Debate (3)* • *SP 290 - Interviewing (3)* • *SP 170 - Introduction to Nonverbal Communication (3)* • *SP 181 - Introduction to Interpersonal Communication (3)*	*6*
	6

Minimum Credits Required: **12**

* A grade of "C" or higher must be earned for all other courses required in the certificate.

PSYCHOLOGY

Liaison: Coty Gonzales (845-9252, coty@hawaii.edu)

Description: Honolulu Community College offers its students the opportunity to study Psychology in a program leading to an Academic Subject Certificate in Psychology. This academic credential is included on student transcripts and can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Psychology.

To receive this credential, students must complete Survey of Psychology, Survey of Research Methods, Statistical Techniques, and one course each from three of four Foundation areas: Experimental, Psychobiology, Developmental, and Social or Personality. In addition, students must complete one elective course in Psychology. A grade of "C" or higher must be earned for all courses required in the certificate

Requirements: Psychology Academic Subject Certificate *

Core Requirements	**ASC Credits**
PSY 100 - Survey of Psychology	*3*
PSY 212 - Survey of Research Methods	*3*
PSY 225 - Statistical Techniques	*3*
	9

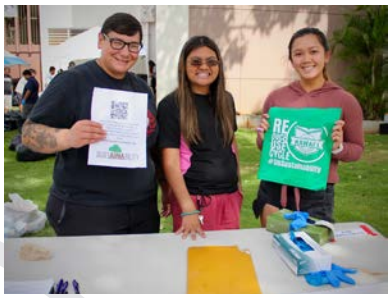
One Course from three of four Psychology Foundation Areas:	**ASC Credits**
Experimental	
PSY 220 - Behavioral Psychology (3)	
Psychobiology	
PSY 230 - Introduction to Psychobiology (3)	
Developmental	*9*
PSY 240 - Developmental Psychology (3)	
Social or Personality	
PSY 250 - Social Psychology (3) or *PSY 260 - Psychology of Personality (3)*	
	9

Electives	**ASC Credits**
Choose 3 credits from the following Electives: (Elective courses may also include any Psychology course not taken to fulfill the Psychology Foundation Area requirement.) • *PSY 180 - Psychology of Work (3)* • *PSY 270 - Introduction to Clinical Psychology (3)*	*3*
	3

Minimum Credits Required: **21**

* A grade of "C" or higher must be earned for all courses required in the certificate. At least 12 credits applied to the certificate must be completed at Honolulu Community College.

SUSTAINABILITY



Liaison: Cynthia Smith (845-9253, smithcyn@hawaii.edu)

Description: The Academic Subject Certificate in Sustainability requires a minimum 13 credits and maximum 15 credits, depending if students take lab classes. All courses must be Sustainability Focused (SF) to apply for certificate. Honolulu Community College currently offers a sufficient number and range of Sustainability Focused courses to provide an academically rigorous certificate. New courses are certified each academic year.

Requirements: Sustainability Academic Subject Certificate

- 3 credits required in Natural Sciences
- 3 credits required in Hawaiian Studies
- 3 credits required from other disciplines (e.g. Humanities, Social Sciences, Language Arts, CTE programs)
- 3 credits – additional class from any of these three areas (this can also include an SF course from another UHCC campus)
- 1 credit – capstone experience

Some SF courses can be used to meet more than one of the categories (e.g. Humanities or Hawaiian Studies) but no course can be applied to two categories; in other words, a course counts only once in fulfilling certificate requirements.

The capstone component is 1 credit. There are three options:

* Research Projects. Students identify a research project and a faculty member who has experience teaching courses with any sustainability designation to oversee the work. These can be research projects related to an academic research topic, campus programs or campus operations.

* Service Learning Projects. Students create a service learning plan related to sustainability efforts on campus or in the community, and identify a faculty member to oversee the work.

* Internship. Students identify an internship commitment related to sustainability in Hawai'i, and a faculty member to oversee the work.

- All options require students to identify a faculty member to oversee their completion of the capstone experience. All three options must be approved either by the Sustainability Designation Review Committee or a Sustainability Coordinator.
- The 1 credit option will be pass/no pass; it will not be graded.
- Students must complete the capstone requirement after completing all other certificate requirements or during semester when last course requirement is taken.

Courses fulfilling S-Focus requirements can come from across the curriculum. Any course in the AA or AS degree curriculum can receive a Sustainability Focus designation, except for Foundations (FW, FQ, and FG) courses. Specific course sections are approved to receive an S-Focus designation by the Sustainability Designation Review Committee and are identified on the Honolulu CC website Class Availability link. S-Focus courses are designated with an S- before the course titles (e.g., GEO 101 S-The Natural Environment). The list of S Focus classes which can be applied to the ASC can be found on the College Sustainability site (https://www.honolulu.hawaii.edu/node/1784)