Hawai‘i CC Degrees & Certificates

To earn a Certificate of Competence, Certificate of Achievement, an Associate in Applied Science degree, an Associate in Science degree, an Academic Subject Certificate, or an Associate in Arts degree, all curricular requirements must be met. A student may receive an A.S.C. without completing the A.A. degree but must have the appropriate Grade Point Average for all courses required.

	CO	CA	AAS	AS	ASC	AA
Accounting (ACCT)	-	✓	✓	-	-	-
Administration of Justice (AJ)	-	-	-	✓	-	-
Criminal Justice Addictions Professional (AJ-CJAP)	✓	-	-	-	-	-
Homeland Security (AJ-HL)	✓*	-	-	-	-	-
Agriculture (AGR)	-	✓	✓	-	-	-
Farm Worker (AGR-FMWK)	✓	-	-	-	-	-
Landscape Worker (AGR-LSWK)	✓*	-	-	-	-	-
Architecture, Engineering and Construction Technologies (AEC)	-	-	✓	-	-	-
Drafting and Design (AEC)	-	✓	-	-	-	-
Geomatics and GIS (AEC-GMAT)	-	✓	-	-	-	-
Auto Body Repair and Painting (ABRP)	-	✓	✓	-	-	-
Automotive Technology (AMT)	-	✓	✓	-	-	-
Business Technology (BTEC)	✓*	✓	✓	-	-	-
Entrepreneurship (BTEC-ENT)	✓*	-	-	-	-	-
Virtual Office Assistant (BTEC-VOA)	✓	-	-	-	-	-
Carpentry (CARP)	-	✓	✓	-	-	-
Community Health Worker (CHW)	✓*	-	-	-	-	-
Creative Media (CM)	-	-	-	✓	-	-
Culinary Arts (CULN)	-	✓	✓	-	-	-
Diesel Mechanics (DISL)	-	✓	✓	-	-	-
Digital Media Arts (DMA)	✓	-	-	-	-	-
Early Childhood Education (ECED)	-	✓	-	✓	-	-
Early Childhood Education Practitioner I (ECED)	✓*	-	-	-	-	-
Initial Early Childhood Education (ECED-CDA)	✓*	-	-	-	-	-
Electrical Installation and Maintenance Technology (EIMT)	-	✓	✓	-	-	-
Electronics Technology (ET)	-	✓	✓	-	-	-
Network Technology (ET-NT)	✓*	-	-	-	-	-
Engineering Technology						
Geospatial Technologies (ENGT)	✓*	-	-	-	-	-
Geospatial Remote Sensing Hawai‘i (ENGT-GRSH)	✓*	-	-	-	-	-
Fire Science (FS)	-	✓	-	✓	-	-
Fire Science Emergency Medical Technician (FS-EMT)	✓*	-	-	✓	-	-
Hawaiian Studies						
Concentration in Hula (AA-HWST-HULA)	-	-	-	-	-	✓
Concentration in Kapuahi Foundations (AA-HWST-KAPU)	-	-	-	-	-	✓
Hawai‘i Life Styles Academic Subject Certificate (ASC-HWST-HLS)	-	-	-	-	✓*	-
Hospitality and Tourism (HOST)	✓*	✓	✓	-	-	-
Human Services (HSER)	✓	-	-	-	-	-

* Financial aid ineligible.

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	CO	CA	AAS	AS	ASC	AA
Information Technology (IT)	-	✓	-	✓	-	-
Computer Support (IT-ITCS)	✓*	-	-	-	-	-
Information Security and Assurance (IT-ISA)	✓	-	-	-	-	-
Software Developer Specialist (IT-SDSP)	✓*	-	-	-	-	-
Liberal Arts, Associate in Arts (AA-LBRT)	-	-	-	-	-	✓
Concentration in Administration of Justice (AA-LBRT-AJ)	-	-	-	-	-	✓
Concentration in Art (AA-LBRT-ART)	-	-	-	-	-	✓
Concentration in History (AA-LBRT-HIST)	-	-	-	-	-	✓
Concentration in Psychology (AA-LBRT-PSY)	-	-	-	-	-	✓
Concentration in Sociology (AA-LBRT-SOC)	-	-	-	-	-	✓
Environmental Studies Academic Subject Certificate (ASC-ENVS)	-	-	-	-	✓*	-
Global Studies Academic Subject Certificate (ASC-LBRT-GLS)	-	-	-	-	✓*	-
Marine Option Program Academic Subject Certificate (ASC-LBRT-MOP).	-	-	-	-	✓*	-
Sustainability Academic Subject Certificate (ASC-LBRT-SUSI)	-	-	-	-	✓*	-
Machine, Welding and Industrial Mechanics Technologies (MWIM)	✓	✓	✓	-	-	-
Marketing (MKT)	-	✓	✓	-	-	-
Natural Science						
Biological Sciences (NSCI-BSC)	-	-	-	✓	-	-
Physical Sciences (NSCI-PSC)	-	-	-	✓	-	-
Nursing (NURS)	-	-	-	✓	-	-
Practical Nursing (PRCN)	-	✓	-	-	-	-
Substance Abuse Counseling (SUBS)	✓*	-	-	-	-	-
Prevention Specialist (SUBS-PVS)	✓*	-	-	-	-	-
Tropical Forest Ecosystem and Agroforestry Management (TEAM)	-	✓	-	✓	-	-

* Financial aid ineligible.

Curricula and Programs

General and pre-professional students may earn the Associate in Arts (A.A.) degree. Students intending to transfer into STEM areas may wish to pursue an Associate in Science in Natural Science (A.S.N.S.) degree. Vocational-technical majors may earn an Associate in Science (A.S.), Associate in Applied Science (A.A.S.), or Associate in Technical Studies (A.T.S.) degree, a Certificate of Achievement (C.A.), or a Certificate of Competence (C.O.) in one of the 25 vocational programs.

Associate in Arts (A.A.) Degree

The Associate in Arts (A.A.) general and pre-professional education degree consistis of at least 60 Baccalaureate-level semester credits at the 100 and 200 levels and provides students with skills and competencies essential for successful completion of a Baccalaureate degree. The issuance of an A.A. degree requires that the student must earn a cumulative 2.0 GPA or better for all courses used to meet degree requirements. The A.A. degree is designed for students who are preparing themselves to transfer to a four-year college or university. (UHCCP #5.203)

Hawai‘i Community College offers two Associate in Arts Degrees: one in Liberal Arts and one in Hawaiian Studies.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Communicate Effectively - Speak and write to communicate information and ideas in academic settings.
- Think Critically - Retrieve, read, and utilize information and synthesize, analyze, and evaluate that information to gain understanding and make informed decisions.
- Reason Quantitatively - Use quantitative, logical, and symbolic reasoning to address theoretical and real-world problems.
- Apply Areas of Knowledge - Utilize methods, perspectives, and content of selected disciplines in the natural sciences, social sciences, and humanities.
- Engage as Global Citizens - Demonstrate awareness of the relationship between self, community, and the environment, respecting cultural diversity and an understanding of ethical behavior.

To earn the Associate in Arts Degree in Liberal Arts (LBRT) from Hawai‘i CC, a student must meet the following requirements:

1. Credits Required: A total of 60 credits earned at or transferred to Hawai‘i CC in 100-200 level courses
2. A minimum of 12 credits must be completed at Hawai‘i CC
3. Minimum GPA Required: A minimum cumulative GPA of 2.0 is required for graduation
4. CR/NC option may be used to satisfy area and general elective requirements (Policy Haw 5.503)

Foundations (12 credits)

Written Communication (FW) (3 credits):

- Eng 100 (Writing) or Eng 100E (Writing)

Quantitative Reasoning (FQ) (3 credits):

- ICS 141
- Math 100‡, 115, 120, 135, 140, 241, 242

Global & Multicultural Perspectives (FG) (6 credits) in 2 different groups:

- Group A - Prehistory to 1500: Hist 151, WGSS 175
- Group B - 1500 to Modern Times: Geo 102, Hist 152, WGSS 176
- Group C - Prehistory to Modern Times: (none at this time)

‡ Students who intend to transfer may require a course higher than Math 100

Hawai‘i CC Required Courses (6 credits)

College Reading Skills:

- Eng 102 (Reading)

Communication Skills:

- Sp 151† or Sp 251†

Graduation Requirements

Writing Intensive:

- One WI course with a “C” or better grade

Hawaiian, Asian, and Pacific Issues:

- Three credits HAP (from Diversifications or Electives)

Diversifications (19 credits)

***Diversifications - Arts, Humanities, Literature*:** Six (6) credits required in 2 different areas:

<u>Diversification - Arts (DA):</u>

- Art 101, 105B, 105C, 108, 111, 113, 114, 115, 214, 217, 230
- Dnce 153, 185, 190V, 195
- Eng 204
- HwSt 103, 106, 130, 131, 206, 230, 231
- Sp 151†, 251†

<u>Diversification - Humanities (DH):</u>

- Asan 120, 121
- Hist 120, 153, 154
- Haw 101, 102, 201, 202
- Hum 100
- HwSt 100, 101, 102, 105, 107, 201
- Phil 100, 101
- Sp 260

<u>Diversification - Literature (DL):</u>

- Eng 255, 256, 257A, 257E
- HwSt 270

***Diversifications - Natural Sciences*:** Seven (7) credits: three (3) credits from Biological Sciences; and (3) credits from Physical Sciences; and one (1) credit any Natural Science Lab:

Diversification - Biological Sciences (DB):
- Biol 100, 101, 124, 156, 171, 172
- Bot 101
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):
- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101
- Phys 105

Diversification - Natural Science Lab (DY):
- Biol 100L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

***Diversifications - Social Sciences*:** Six (6) credits required in 2 different alphas:

Diversification - Social Sciences (DS):
- Anth 150, 200
- Bot 105
- ECEd 105, 110, 131
- Econ 130, 131
- Geo 122
- HDFS 230
- HSer 110
- Psy 100, 170, 275
- Soc 100
- SSci 111, 150
- WGSS 151

† Cross-listed courses (appearing in multiple areas or listed as different alphas) count only once for graduation requirements.

Electives (23 credits)

Other 100-level and above courses may be taken at Hawai‘i CC or transferred in to Hawai‘i CC as electives.

NOTE: Students may not use Independent/Directed Studies courses (marked 199 or 299) to meet area requirements unless prior permission is given by the advisor and the Vice Chancellor for Academic Affairs.

Additionally, courses numbered 99 or below are not applicable toward an Associate in Arts degree.

Writing Intensive Classes

A variety of classes are offered which are writing intensive (WI). These classes require students to do a significant amount of writing totaling a minimum of 4,000 words. Writing is emphasized as an essential tool for learning class material and a major element in determining a student's grade. In WI classes, an opportunity is provided for interaction between the instructor and student as a part of the writing process. WI classes have a minimum prerequisite of completion of Eng 100 or Eng 100E with a grade of "C" or better. Completion of one WI class with a grade of "C" or better is required for the AA-LBRT degree and the AA-HWST degree at Hawai‘i CC. Students who are planning to transfer to a four-year college or university are advised to check on that institution's WI requirements and are recommended to take two or three Writing Intensive classes at Hawai‘i CC.

For more information about the Writing Intensive Program at Hawai‘i CC, visit www.hawaii.hawaii.edu/writing-intensive

HAP Designated Classes

Effective Fall 2019, the **Hawaiian, Asian, and Pacific Issues (HAP)** is a graduation requirement for Associate in Arts (AA) degree majors. Returning students declaring a prior catalog year have the option to use the FHAP (formerly Asian/Pacific Culture) designated courses which were approved for their prior catalog year. (Policy HAW 5.702)

HAP is a University of Hawai‘i system initiative designed to improve teaching and learning at UH regarding Native Hawaiian culture and issues from the Native Hawaiian viewpoint, and how they intersect with Asian and Pacific Island cultures. In order to receive the HAP designation, at least 2/3 of a class must meet the following hallmarks:

1. The content should reflect the intersection of Asian and/or Pacific Island cultures with Native Hawaiian culture.
2. A class can use a disciplinary or multi-disciplinary approach provided that a component of the class uses assignments or practices that encourage learning that comes from the cultural perspectives, values, and world views rooted in the experience of peoples indigenous to Hawai‘i, the Pacific, and Asia.
3. A class should include at least one topic that is crucial to an understanding of the histories; cultures; beliefs; the arts; or the societal, political, economic, or technological processes of these regions. For example, the relationships of societal structures to the natural environment.
4. A class should involve an in-depth analysis or understanding of the issues being studied in the hope of fostering multicultural respect and understanding.

For more information about HAP, and to see a current list of HAP designations at Hawai‘i CC, visit www.hawaii.hawaii.edu/hap

Sustainability and S-designated Classes

Hawai'i CC offers a designation of "SF" for courses and classes which expose students to sustainability across a variety of academic disciplines. These are designed to meet the UH system-wide goals to develop and strengthen ecological literacy in students and address local and global environmental challenges. While not a graduation requirement for the AA degree, S-designated courses and classes allow students from all majors and programs to deepen their knowledge of core concepts of sustainability utilizing a cross-disciplinary approach. The designation can steer students towards classes that address issues of sustainability and encourage students to learn about social justice, cultural, economic, political, scientific, green building, and artistic approaches to sustainability, recognizing the valuable contributions from each academic discipline.

The S-designation of a course indicates that sustainability is a major theme, and S-designation of a class (a particular section of a course) indicates that the instructor has chosen to integrate sustainability themes into the class content and promotes active student engagement with global and local environmental issues.

For more information about Sustainability at Hawai'i CC, and for a list of currently designated courses and classes, visit www.hawaii.hawaii.edu/sustainability

Fulfillment of General Education Requirement

Effective Fall 1994, students who have earned an articulated Associate in Arts (A.A.) degree from any University of Hawai'i Community College shall be accepted as having fulfilled the general education core requirements at all other University of Hawai'i campuses. While an articulated A.A. degree satisfies general education core requirements, students must also complete all specialized lower-division, major, college and degree/graduation requirements. Additional campus-specific requirements, such as competency in a foreign language or writing-intensive courses, may also be required. With planning, most, if not all, of the requirements may be incorporated into the A.A. degree; if not, they are required in addition to the A.A. degree.

Associate in Applied Science (A.A.S.) Degree

The Associate in Applied Science (A.A.S.) career and technical education degree consists of at least 60 semester credits and provides students with skills and competencies for gainful employment in a career and/or technical education area. The A.A.S. degree is not intended nor designed for transfer directly to a baccalaureate program. A.A.S. programs may, however, include some baccalaureate-level course offerings. Components of General Education included within the A.A.S. must be consistent with levels of quality and rigor appropriate to higher education. The issuance of an A.A.S. degree requires that the student's work has been evaluated and stated outcomes have been met. The student must earn a cumulative 2.0 GPA or better for all courses used to meet degree requirements. (UHCCP #5.203)

To earn the Associate in Applied Science degree at Hawai'i CC, it is the responsibility of the student to meet the program requirements. Those requirements are:

1. Satisfactorily complete the program of courses prescribed for his/her major
2. Earn credits in prescribed communications and mathematics/thinking/reasoning courses
3. Earn nine (9) credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment
4. Earn a cumulative GPA of at least 2.0 in Hawai'i CC courses
5. Earn at least a 2.0 GPA in major courses
6. Earn 12 semester hours at Hawai'i CC

Associate in Applied Science General Education Electives: The following courses may satisfy the A.A.S. degree general education electives: Cultural Environment, Natural Environment, Social Environment. Check with a program advisor for program requirements.

Cultural Environment:

Through study of artistic, literary, and philosophical masterworks and by examining the development of significant civilizations, cultures and the nature of human communication, students gain an appreciation of history and achievements. This experience should enable the student to approach future studies of a more specific character with a broadened perspective.

- Art 101, 105B, 105C, 107D, 108, 111, 112, 113, 114, 115, 120, 123, 125, 126, 159, 202, 209, 211, 212, 214, 217, 223, 225, 227, 230, 243, 244, 246, 248, 249, 257, 269C, 294, 295, 296
- Asan 120†, 121†, 122†
- Dnce 153, 185, 190V, 256† (see ECEd 256), 285, 290V
- ECEd 256† (see Dnce 256)
- Eng 103, 105, 204, 205† (see Jour 205), 215, 255, 256, 257A, 257E

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- Haw 101, 102, 201, 202
- Hist 120, 151, 152, 153, 154, 241, 242, 274, 284, 288
- Hum 100, 160† (see SSci 160), 275†
- HwSt 100, 101, 102, 103, 105, 106, 107, 130, 131, 140, 141, 150, 151, 160, 161, 201†, 206, 219, 230, 231, 240, 241, 250, 251, 260, 261, 270, 272
- Jour 205† (see Eng 205)
- Jpn 101, 102, 121, 122
- Ling 102, 121† (see Anth 121), 235† (see Anth 235)
- Mus 102
- Phil 100, 101, 102, 120, 211, 213, 255
- Psy 275
- Rel 150, 151, 152, 153
- Sp 231, 251, 233

Natural Environment:

A scientifically literate person should know what science is, how scientific investigation is conducted, and that the activity of a scientist is a blend of creativity and rigorous intelligence. Independent investigation in the laboratory provides an understanding of the features of scientific hypothesis and their proofs that external accounts cannot wholly describe.

- Ag 122, 141, 164, 175, 175L, 200, 250, 260
- Astr 110, 281
- BioC 141
- Biol 100, 100L, 101, 101L, 124, 124L, 156, 156L, 171, 171L, 172, 172L
- Bot 101, 101L, 105, 105L, 130, 130L
- Chem 100, 100L, 151, 151L, 161/L, 162/L
- Culn 185
- Erth 101, 101L
- Geo 101, 101L, 170, 170L, 270, 270L
- Micr 130, 140L
- Ocn 201, 205
- Phrm 203
- Phyl 141, 141L, 142, 142L
- Phys 100, 100L, 105
- Zool 101, 101L

Social Environment:

Every educated person should have some appreciation of the role of culture and social institutions in the shaping of individual personality and the creation of social identities. Students should also develop an understanding of the extent to which scientific inquiry is appropriate to the creation of social knowledge and of the alternative ways of organizing human institutions and interpreting social reality.

- Ag 157, 230
- AJ 101, 180, 210, 256† (see HSer/WGSS 256), 280, 290B, 290C, 290D
- Anth 121† (see Ling 121), 150, 200, 235† (see Ling 235)
- Asan 120†, 121†, 122†

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- Busn 164
- Econ 120, 130, 131
- ECEd 105, 131
- Geo 102, 122
- HD 234
- HDFS 230
- HosT 280
- HSer 110, 140, 141† (see Subs 141), 248† (see Subs 248), 256† (see AJ/WGSS 256)
- HwSt 201†
- ICS 100
- IS 101
- Mgt 124
- PolS 110
- Psy 100, 170, 214, 251, 270, 275†
- Soc 100, 208, 218, 251, 265, 289, 290
- Sp 130, 151, 260
- SSci 111, 150, 160† (see Hum 160), 250
- Subs 141† (see HSer 141), 248† (see HSer 248), 268, 270, 275, 280
- WGSS 151, 256† (see HSer/WGSS 256)

† Cross-listed courses (appearing in multiple areas or listed as different alphas) count only once for graduation requirements.

Associate in Science (A.S.) Degree

The Associate in Science (A.S.) degree is designed to prepare students for employment in career and technical fields, and/or transfer to a baccalaureate granting institution in a science, technology, engineering, mathematics, or other articulated baccalaureate-level programs of study. The A.S. degree consists of at least 60 semester credits, which provides students with either skills and competencies for gainful employment, or with courses in the arts and sciences or career and technical education that will prepare students for entry into an articulated baccalaureate program of study. All courses applicable for the A.S. degree will be at the baccalaureate level. The issuance of an A.S. degree requires that the student's work has been evaluated and stated outcomes have been met. (UHCCP #5.203)

To earn the Associate in Science degree at Hawai'i CC, it is the responsibility of the student to meet the program requirements. The requirements are:

1. Satisfactorily complete the program of courses prescribed for his/her major
2. Earn credits in prescribed mathematics, communications, and thinking/reasoning courses or pass proficiency examinations in these subjects
3. Earn a total of nine (9) credits of general education electives by selecting one or more courses with a total of at least three (3) credits from <u>each</u> of the three areas: Arts/

Humanities/Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS). For some programs the course(s) may be prescribed
4. Earn a cumulative GPA of at least 2.0 in Hawai'i CC courses
5. Earn at least a 2.0 GPA in major courses
6. Earn 12 semester hours at Hawai'i CC

Associate in Science Degree General Education Electives: The following courses may satisfy the A.S. degree general education electives. Check with a program advisor for program requirements.

Diversifications - Arts, Humanities, Literature

Through study of artistic, literary, and philosophical masterworks and by examining the development of significant civilizations, cultures and the nature of human communication, students gain an appreciation of history and achievements. This experience should enable the student to approach future studies of a more specific character with a broadened perspective.

Diversification - Arts (DA):
- Art 101, 105B, 105C, 108, 111, 113, 114, 115, 214, 217, 230
- Dnce 153, 185, 190V, 195
- Eng 204
- HwSt 103, 106, 130, 131, 206, 230, 231
- Sp 151, 251

Diversification - Humanities (DH):
- Asan 120, 121
- Hist 120, 153, 154
- Haw 101, 102, 201, 202
- Hum 100
- HwSt 100, 101, 102, 105, 107, 201
- Phil 100, 101
- Sp 260

Diversification - Literature (DL):
- Eng 255, 256, 257A, 257E
- HwSt 270

Diversifications - Natural Sciences

A scientifically literate person should know what science is, how scientific investigation is conducted, and that the activity of a scientist is a blend of creativity and rigorous intelligence. Independent investigation in the laboratory provides an understanding of the features of scientific hypothesis and their proofs that external accounts cannot wholly describe.

Diversification - Biological Sciences (DB):
- Biol 100, 101, 124, 156, 171, 172
- Bot 101
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):
- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101
- Phys 105

Diversification - Natural Science Lab (DY):
- Biol 100L, 101L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

Diversifications - Social Sciences

Every educated person should have some appreciation of the role of culture and social institutions in the shaping of individual personality and the creation of social identities. Students should also develop an understanding of the extent to which scientific inquiry is appropriate to the creation of social knowledge and of the alternative ways of organizing human institutions and interpreting social reality.

Diversification - Social Sciences (DS):
- Anth 150, 200
- Bot 105
- ECEd 105, 110, 131
- Econ 130, 131
- Geo 122
- HDFS 230
- HSer 110
- Psy 100, 170, 275
- Soc 100
- SSci 111, 150
- WGSS 151

Associate in Technical Studies (A.T.S.) Degree

The Associate in Technical Studies (A.T.S) degree is a career and technical credential consisting of at least 60 semester credits and provides students with skills and competencies for gainful employment. This degree must be customized by using courses from two or more existing approved programs and is intended to target emerging career areas which cross traditional boundaries. This degree must have educational objectives which are clearly defined and recognized by business, industry, or employers who have needs for specialized training. This degree must have advanced approval and cannot be requested based upon previously completed coursework. This degree requires a GPA of 2.0 or better for all courses required. (UHCCP #5.203)

Certificate of Achievement (C.A.)

The Certificate of Achievement (C.A.) is a college credential for students who have successfully completed designated medium-term career and technical education *credit* course sequences provides them with job upgrading or entry-level skills. Course sequences may not exceed 51 credit hours (unless external requirements exceed this number) and may not be less than 24 credit hours. The issuance of a C.A. requires that the student must earn a cumulative GPA of 2.0 or better for all Hawai'i CC courses required in the certificate. The 12 semester hours of work must be completed at Hawai'i CC. (UHCCP #5.203)

Certificate of Competence (C.O.)

The Certificate of Competence (C.O.) is a college credential for students who have successfully completed a sequence of career-technical education courses within a BOR-approved CTE program that has been identified as fulfilling an employable set of skills recognized by Business and Industry. The C.O. may be awarded for successful completion of a sequence of non-credit CTE instruction. The issuance of a C.O. requires that the student's work meets or exceeds competencies necessary for employment (e.g., courses resulting in a student's competence to be employed as an automotive "brake technician"). Course sequences shall be at least 4 credit hours and less than 24 credit hours and may include General Education courses appropriate to industry requirements. In a credit course sequence, the student must earn a cumulative 2.0 GPA or better for all courses required for the certificate. (UHCCP #5.203)

Academic Subject Certificate (A.S.C.)

The Academic Subject Certificate (A.S.C.) is a college credential for students who have successfully completed a focused, specific sequence of credit courses from an A.A. curriculum. The sequence must fit within the structure of the A.A. degree, may not extend the credits required for the A.A. degree, and shall be at least 12 credit hours. The issuance of the Academic Subject Certificate requires that the student must earn a GPA of 2.0 or better for all courses required in the certificate. Students enrolled solely for the purpose of obtaining an ASC will be identified as unclassified for admission and enrollment purposes. (UHCCP #5.203)

Residency Requirement for Graduation

To graduate with a degree from a University of Hawai'i Community College, a student must have earned a minimum of 12 credits of program courses in the degree/major from that college. (UHCCP #5.208)

Assessment

Assessment is the process of gathering information on student learning and services for the purposes of evaluating and improving the learning environment. Assessment is the responsibility of everyone employed by Hawai'i Community College. The College engages in systematic assessment of learning and service outcomes to ensure continuous improvement and to create increased opportunities for student success. The College Council's Assessment Committee provides leadership to ensure that the College achieves its mission by sponsoring assessment activities, encouraging meaningful assessment practices and experiences, and promulgating discovery based on results of the assessment process.

Assessment across the Kauhale is governed by the College's Assessment Policy. (Policy Haw 4.202)

In addition, standards and criteria from the Accrediting Commission for Community and Junior Colleges (ACCJC), as well as accrediting bodies providing oversight for career and technical education programs, serve as the overall guidelines within which the college establishes and revises its assessment activities.

The course assessment cycle requires that all courses be assessed at least every five years: specific details of the course assessment requirements are listed in the Assessment Policy. (Policy Haw 4.202). The non-instructional service and support unit assessment cycle requires that all units be assessed regularly on a schedule determined by the appropriate vice chancellor or director.

Assessment is integrated with biennium and supplemental budget and strategic planning through annual program and service-unit reviews, and comprehensive reviews on a five-year cycle that are initiated and monitored by the College Council's College Effectiveness Review Committee (CERC) and Assessment Committee. For more information, visit the website at www.hawaii.hawaii.edu/files/assessment

Course Review Policy

The University Council on Articulation (UCA) policy requires that all of Hawai'i Community College's previously articulated general education core courses be reviewed over a five-year period. Hawai'i CC has developed procedures to review 20% of all of its approved courses each year. Courses will be reviewed according to their approval date; the oldest will be reviewed first. The policy and procedures were developed by the Academic Senate in collaboration with the Dean of Instruction, and were approved by the Senate on January 26, 2001. (Policy Haw 5.250)

PROGRAM DESCRIPTIONS

Accounting (ACCT)

Faculty: S. Dill

The Accounting program prepares students for entry-level positions. Learning centers on the accounting equation and the accounting cycle, recording financial transactions, and preparing financial statements.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Perform basic accounting tasks and business math skills to maintain accurate accounting systems in for-profit organizations.
- Communicate with stake holders in a manner that reflects organizational culture and sensitivity to diverse customer and community needs.
- Perform basic office functions using standard and emerging technologies.
- Demonstrate, in a work environment, effective self-management through efficient use of time and personal commitments.
- Participate effectively in individual and group decision making.
- Use critical thinking skills to make decisions that reflect legal and ethical standards of the accounting profession.

First Semester			CA	AAS
*	Acc 124	Principles of Accounting I	3	3
*	Acc 132	Payroll and Hawai'i General Excise Tax	3	3
	Busn 123	Word Processing for Business	3	3
**	Busn 188	Business Calculations	3	3
	Success ††	Busn 164 or IS 101 (meets Social Env. requirement for A.A.S.)	3	3
		TOTAL	*15*	*15*

Second Semester			CA	AAS
*	Acc 134	Individual Income Tax Preparation	3	3
*	Acc 155	Spreadsheets in Accounting	3	3
*	Acc 252	Using Quickbooks in Accounting	3	3
	Busn 178	Business Communications	3	3
**	English	Eng 100 or Eng 100E	3	3
		TOTAL	*15*	*15*

Third Semester			CA	AAS
*	Acc 201	Intro to Financial Accounting	-	3
	Business	Acc 130, Acc 193V, Bus 120, Busn 193V, Econ 130, Econ 131, or Ent 125	-	3
	Computing	Busn 150 or ICS 101	-	3
	Mgt 124	Human Resource Management	-	3
**	Speech	Sp 130 or Sp 151 or Sp 251	-	3
		TOTAL	-	*15*

Fourth Semester			CA	AAS
*	Acc 202	Intro to Managerial Accounting	-	3
*	Acc 255	Using Spreadsheets in Accounting II	-	3
*	Acc 295	Accounting Capstone	-	3
	Electives ††	Cultural Env., Natural Env.	-	6
		TOTAL	-	*15*
		TOTAL	**30**	**60**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Administration of Justice (AJ)

Faculty: D. Madrid

This program provides students with a solid background in the field of Administration of Justice by offering a variety of courses designed to prepare students for careers within the criminal justice system. The program combines the scientific study of law enforcement, the court system and corrections, along with a focus on the administration of these systems. An important component of the program is the study of the causes and effects of crime and the ways in which society responds to such behavior.

This program is designed to prepare students to obtain a two-year degree with the knowledge and skills needed to enter a career upon graduation. It also academically prepares students who wish to continue their degree at a four-year institution.

A student who successfully completes 12 credits of AJ courses at Hawai'i CC may receive up to 6 additional AJ credits for completing basic police recruit training as required by government law enforcement agencies.

An internship program is also available to students who wish to earn college credit by working in the AJ field. Students can earn up to 6 credits, which can be applied to the program. Students interested in the internship program should contact the AJ Coordinator.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Express a foundational understanding of the three components (law enforcement, courts, and corrections) of the Administration of Justice system and how they interrelate and affect individuals and society.
- Work independently and interdependently with diverse populations to produce personal, professional, and community outcomes.
- Use technology to access, synthesize, and communicate information effectively in written and oral reports.
- Develop and initiate career plans to obtain jobs or continue a degree in Administration of Justice or related fields.

First Semester		AS
AJ 101	Introduction to Administration of Justice	3
AJ or Subs	Elective (see below)	3
Eng 102	College Reading Skills	3
Electives ††	Diversifications - Arts, Humanities, Literature (choose from DA, DH, DL)	3
Electives ††	Diversifications - Natural Sciences (choose from DB, DP, DY)	3
	TOTAL	*15*

Second Semester		AS
* AJ 131	Ethics in Public Services	1
* AJ 210	Juvenile Justice	3
* AJ 221	Criminal Law	3
* AJ or Subs	Elective (see below)	3
** English	Eng 100 or Eng 100E	3
Sp 151	Personal and Public Speech	3
	TOTAL	*16*

Third Semester		AS
* AJ 220	Constitutional Law	3
* AJ 280	Current Issues in Administration of Justice	3
* AJ or Subs	Electives (see below)	3
** Math 100	Survey of Mathematics or higher	3
or		
Phil 110	Introduction to Deductive Logic	(3)
Electives ††	Diversifications - Social Sciences (DS)	3
	TOTAL	*15*

Fourth Semester		AS
* AJ or Subs	Electives (see below)	3
Electives	General Electives	12
	TOTAL	*15*
	TOTAL	**61**

Criminal Justice Addictions Professional Certificate of Competence

First Semester		CO
AJ 101	Introduction to Administration of Justice	3
AJ 131	Ethics in Public Services	1
Subs 132	STDs and Confidentiality	1
Subs 140	Individual Substance Abuse Counseling	3
Subs 268	Survey of Substance Use Disorders	3
Subs 294	Seminar and Fieldwork I	3

Second Semester		CO
AJ 150	The Correctional Process	3
Subs 245	Group Counseling	3
Subs 270	12 Core Functions Subs Abuse Counseling	3
	TOTAL	**23**

Homeland Security Certificate of Competence

First Semester		CO
AJ 101	Introduction to Administration of Justice	3
AJ 131	Ethics in Public Services	1

Second Semester		CO
AJ 180	Introduction to Homeland Security	3

Third Semester		CO
AJ 181	Intelligence Analysis and Security Mgmt	3

Fourth Semester		CO
AJ 182	Transportation and Border Security	3
	TOTAL	**13**

Electives - The following courses will be accepted:

- AJ 103, 104, 150, 170, 180, 181, 182, 193V, 208, 233, 234, 256, 285, 290B, 290C, 290D
- Subs 140, 141, 245, 248, 262, 268, 270, 275, 280, 294, 295

Credits in ( ) are optional
* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)

Agriculture (AGR)

Faculty: L. Nakamura

This program prepares students for employment in government service, agribusiness, horticulture, livestock, flowers and foliage, landscape, macadamia nuts, papaya, and coffee industries.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Plan and manage projects and cultivate horticultural crops and other agricultural products using legal, sustainable, safe, and ecologically, biologically, and technologically sound practices.
- Design gardens that demonstrate the aesthetic principles of unity, repetition, balance, color, and texture congruent with the customers' desires.
- Operate and maintain tools and equipment.
- Set-up and manage a business enterprise.
- Interact with customers and co-workers in ways that effectively support the work to be accomplished.

First Semester		CA	AAS
* Ag 133	Greenhouse Construction	3	3
* Ag 140	Plant Identification	3	3
* Ag 154	Tropical Agriculture Production I	6	6
** English	Eng 100 or Eng 100E or Eng 102 or Eng 106	-	3
	TOTAL	*12*	*15*

Second Semester		CA	AAS
* Ag 131	Farm Equipment, Machinery and Power	3	3
* Ag 146	Landscape Maintenance	3	3
* Ag 155	Tropical Agriculture Production II	6	6
** QM 120T	Quantitative Methods for Trans Tech (or Math 100 or higher (not Math 120))	-	3
	TOTAL	*12*	*15*

Third Semester		CA	AAS
* Ag 122	Soil Technology	-	3
* Ag 200	Principles of Horticulture	-	4
* Ag 230	Agriculture Business Management	-	3
Elective ††	Natural Environment (numbered 100 or above)	-	3
Elective ††	Social Environment (numbered 100 or above)	-	3
	TOTAL	-	*16*

Fourth Semester		CA	AAS
* Ag 141	Integrated Pest Management	-	3
* Ag 157	Marketing of Agriculture Products	-	3
* Ag 250	Sustainable Crop Production	-	3
* Ag 250L	Sustainable Crop Production Lab	-	1
* Ag 260	Tropical Landscape Horticulture	-	3
Elective ††	Cultural Environment (numbered 100 or above)	-	3
	TOTAL	-	*16*
	TOTAL	**24**	**62**

Farm Worker Certificate of Competence

First Semester		CO
* Ag 133	Greenhouse Construction	3
* Ag 154	Tropical Agriculture Production I	6

Second Semester		CO
* Ag 131	Farm Equipment, Machinery and Power	3
* Ag 155	Tropical Agriculture Production II	6
	TOTAL	**18**

Landscape Worker Certificate of Competence

First Semester		CO
* Ag 133	Greenhouse Construction	3
* Ag 140	Plant Identification	3

Second Semester		CO
* Ag 131	Farm Equipment, Machinery and Power	3
* Ag 146	Landscape Maintenance	3
	TOTAL	**12**

Credits in ( ) are optional
* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Architecture, Engineering and Construction Technologies (AEC)

See Engineering Technology (ENGT) for CO listings.

Faculty: D. De Silva

This program involves the hands-on application of technical expertise to engineering tasks in a wide range of industries. From building our nation's infrastructure to making our transportation and energy systems more efficient, wherever scientists and engineers are found, so are engineering technicians and technologists. Engineering techs may assist with setting up equipment, conducting experiments, and collecting data, or involved in the design and development end of the process, using computer-aided design and drafting (CADD) equipment. Students will also gain knowledge in data gathering methodologies including remote sensing systems, optics and GIS technology.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Using computational and reasoning skills, demonstrates entry-level skills for accuracy in drawings and/or maps, and identifies the relationship of features to demonstrate visualization.
- Formulate, design, revise, and construct projects utilizing prior knowledge, research, and other resources to defend, explain, and discuss.
- Design and generate Architectural documents, Engineering documents and GIS maps using two-dimensional and three-dimensional CAD programs.
- Demonstrate operational competence in using surveying hand tools and equipment.
- Demonstrate operational competence in using Unmanned Aerial Systems.
- Illustrate within the design process an understanding of the balance between cultures.

First Semester		AAS
* EngT 100	Drafting Conventions & BLPR	4
* EngT 107	Unmanned Aerial Systems Flight	4
* EngT 112	Computer Aided Drafting (CAD)	3
* Geographic Information Systems (GIS)	EngT 270 or Geo 270	4
	TOTAL	*15*

Second Semester		AAS
* EngT 120	Resident Design & Construction Drawings	4
* EngT 129	Geomatics & Land Surveying I	3
* EngT 275	Spatial Data Mgmt & Analysis	4
* Rural/Urban Remote Sensing	Ag 291 or EngT 291	4
	TOTAL	*15*

Third Semester		AAS
* EngT 230	Residential Contract Drawings & Codes	6
* EngT 247	Geomatics & Land Surveying II	3
** Math	Math 100, 103, 115, 135, 140, or 241	3
Elective ††	Cultural Env., Natural Env., Social Env.	3
	TOTAL	*15*

Fourth Semester		AAS
* EngT 233	Basic Architectural Studio Design	3
* EngT 234	Architectural Design Software	3
** English	Eng 100 or Eng 100E or Eng 102	3
Electives ††	Cultural Env., Natural Env., Social Env.	6
	TOTAL	*15*
	TOTAL	**60**

Drafting and Design Certificate of Achievement

First Semester		CA
* EngT 100	Drafting Conventions & BLPR	4
* EngT 107	Unmanned Aerial Systems Flight	4
* EngT 112	Computer Aided Drafting (CAD)	3

Second Semester		CA
* EngT 120	Resident Design & Construction Drawings	4

Third Semester		CA
* EngT 230	Residential Contract Drawings & Codes	6

Fourth Semester		CA
* EngT 233	Basic Architectural Studio Design	3
* EngT 234	Architectural Design Software	3
	TOTAL	**27**

Geomatics and GIS Certificate of Achievement

First Semester		CA
EngT 107	Unmanned Aerial Systems Flight	4
EngT 112	Computer Aided Drafting (CAD)	3
EngT 270	Intro to Geographic Info Systems (GIS)	4

Second Semester		CA
EngT 129	Geomatics & Land Surveying I	3
EngT 275	Spatial Data Mgmt & Analysis	4
EngT 291	Rural & Urban Remote Sensing	4

Third Semester		CA
EngT 247	Geomatics & Land Surveying II	3
	TOTAL	**25**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Auto Body Repair and Painting (ABRP)

Faculty: G. Fujioka C. Koreyasu

This program prepares the student for employment in an auto body repair and painting shop. Graduates have found that completion of the ABRP program leads to better paying jobs and faster advancement once employed.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Demonstrate entry-level knowledge and skills required for the safe operation of tools and equipment necessary to perform repairs on modern automobiles.
- Apply proper safety procedures and regulated compliance standards applicable to the auto collision and refinish industry.
- Demonstrate structural panel repair techniques and advanced welding skills.
- Demonstrate competence in refinish procedures.
- Employ industry standard operating procedures and repair techniques.
- Utilize research, communication, and problem solving skills to evaluate and operationalize repair tasks.
- Model professional conduct and practice desirable work habits and attitudes for successful employment in the auto repair industry.

Entry Requirements

- Possess a valid driver's license
- Proficiency levels in reading, writing and/or mathematics are required to register for some or all of the Program courses:

Subject Area	Minimum placement into course
Mathematics	QM 120T
Reading	Eng 21 or ESL 21

First Semester		CA	AAS
* ABRP 100	Collision Repair	12	12
** English	Eng 100 or Eng 100E or Eng 102 or Eng 106	-	3
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*12*	*18*

Second Semester		CA	AAS
* ABRP 120	Metal and Plastic Refinishing	12	12
** QM 80	Quantitative Methods Preparation (or QM 120T or Math 100 or higher (not Math 120))	3	-
** QM 120T	Quantitative Methods for Trans Tech (or Math 100 or higher (not Math 120))	-	3
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*15*	*18*

Third Semester		CA	AAS
* ABRP 200	Panel & Glass Replacement Techniques	12	12
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*12*	*15*

Fourth Semester		CA	AAS
* ABRP 220	Frame Measuring & Alignment Techniques	12	12
	TOTAL	*12*	*12*
	TOTAL	**51**	**63**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Automotive Technology (AMT)

Faculty: H. Fujii K. Shimizu

This program prepares the student for employment as a general mechanic in a service station or auto dealer's shop, or as a specialty mechanic or a specialist on engine tune-ups or electrical systems.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Identify and demonstrate proper work readiness skills and respect for cultural differences.
- Apply safety measures at all times.
- Maintain proper use of shop tools and equipment.
- Demonstrate access and use of online repair manuals.
- Diagnose and repair typical problems encountered by owners of vehicles.
- Perform routine maintenance functions on vehicles.

Entry Requirements

- Possess a valid driver's license
- Proficiency levels in reading, writing and/or mathematics are required to register for some or all of the Program courses:

Subject Area	Minimum placement into course
Mathematics	QM 120T
Reading	Eng 21 or ESL 21

First Semester		CA	AAS
* AMT 101	Automotive Safety & Measurement	2	2
* AMT 120	Powertrain I	10	10
** English	Eng 100 or Eng 100E or Eng 102 or Eng 106	-	3
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*12*	*18*

Second Semester		CA	AAS
* AMT 150	Powertrain II	12	12
** QM 80	Quantitative Methods Preparation (or QM 120T or Math 100 or higher (not Math 120))	3	-
** QM 120T	Quantitative Methods for Trans Tech (or Math 100 or higher (not Math 120))	-	3
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*15*	*18*

Third Semester		CA	AAS
* AMT 200	Undercarriage	12	12
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*12*	*15*

Fourth Semester		CA	AAS
* AMT 220	Diagnostics and Repair	12	12
AMT 93V	CVE (optional with instructor approval)	-	-
	TOTAL	*12*	*12*
	TOTAL	**51**	**63**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Business Technology (BTEC)

Faculty: G. Ching A. Chung

The Business Technology program prepares students for employment in positions such as administrative assistants, receptionists, clerks, or secretaries. Students will learn critical office skills, along with communication and organizational proficiencies. The curriculum includes courses in office technology, business communication, office administration, accounting, and business math to enhance employment and promotion possibilities.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Work as a responsible member of a team to meet an organization's objectives.
- Demonstrate professionalism in work quality, appearance, attitude, and workplace behavior as required in a diverse business environment.
- Use current and emerging technologies effectively to create and manage documents and handle multiple priorities.
- Communicate clearly and effectively through oral and written interactions, complying with standard office etiquette.
- Analyze, synthesize, and evaluate real-world problems using research, critical thinking, and decision-making skills to make informed choices and solve problems.
- Apply appropriate strategies to secure employment, retain a job, and advance in a career.

First Semester		CO	CA	AAS
* Busn 123	Word Processing for Business	3	3	3
* Computer Literacy	Busn 150 or ICS 101	3	3	3
* Busn 158	Social Media & Cloud Collaboration	3	3	3
* Busn 164 ††	Career Success (meets Soc. Env. requirement for A.A.S.)	3	3	3
* Ent 125	Starting a Business	3	3	3
	TOTAL	*15*	*15*	*15*

Second Semester			CO	CA	AAS
*	Busn 170	Records & Information Management	-	3	3
*	Busn 178	Business Communications	-	3	3
*/**	Math	Busn 188 or Math 115	-	3	3
	Busn 193V	Cooperative Education	-	3	-
*	Accounting	Acc 124 or Acc 201	-	-	3
**	English	Eng 100 or Eng 100E	-	3	3
		TOTAL	-	*15*	*15*

Third Semester			CO	CA	AAS
	Bus 120	Principles of Business	-	-	3
	Acc 155	Spreadsheets in Accounting	-	-	3
	Mgt 124	Human Resource Management	-	-	3
**	Speech	Sp 130 or Sp 151 or Sp 251	-	-	3
	Business	Electives (see below)	-	-	3
		TOTAL	-	-	*15*

Fourth Semester			CO	CA	AAS
*	Busn 292	Integrated Office Procedures	-	-	3
	Busn 193V	Cooperative Education	-	-	3
	Business	Electives (see below)	-	-	3
	Elective ††	Cultural Environment	-	-	3
	Elective ††	Natural Environment	-	-	3
		TOTAL	-	-	*15*
		TOTAL (minimum)	**15**	**30**	**60**

Business Electives - The following courses will be accepted:

- Acc 125, 126, 130, 132, 134, 201, 202, 252
- BLaw 200
- Busn 159(++)
- CENT 140, 240B, 240C, 241
- Econ 120, 130, 131
- Etro 140, 240B, 240C, 241
- Hlth 125
- HosT 101, 150, 152, 260
- ICS 111, 141, 200, 211, 281, 282
- ITS 104, 124, 129, 144, 221
- Mgt 234
- Mkt 120, 233

(++) Required for the Virtual Office Assistant CO

Entrepreneurship Certificate of Competence			CO
*	Acc 124	Principles of Accounting I	3
*	Computer Literacy		
		Busn 150 or ICS 101	3
*	Ent 125	Starting a Business	3
*	Busn 164	Career Success	3
*	Busn 158	Social Media & Cloud Collaboration	3
		TOTAL	**15**

Virtual Office Assistant Certificate of Competence			
First Semester			**CO**
*	Word Processing		
		Busn 121 Busn 123	3
*	Computer Literacy		
		Busn 150 or ICS 101	3
*	Busn 158	Social Media & Cloud Collaboration	3
*	Busn 164	Career Success	3
Second Semester			**CO**
*	Busn 159	Creating & Managing the Virtual Office	3
*	Busn 193V	Cooperative Education	2
	Accounting	Acc 124 or Acc 201	3
	Acc 155	Spreadsheets in Accounting	3
		TOTAL	**23**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Carpentry (CARP)

Faculty: G. Kaaua

The Carpentry program allows students to participate in the "foundation-to-finish" experiences necessary to build a basic residential house while completing the required carpentry coursework. Students will graduate from the Carpentry program with the knowledge and experience necessary to begin employment at the entry level in the construction industry, or enter a four-year apprenticeship program. Credit may be given in the apprenticeship program for work completed at Hawai'i Community College.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Understand and utilize math computations, formulas, and measurements required in the carpentry field.
- Understand the properties of wood, its sustainability and how it dictates the fundamental principles and procedures involved in carpentry.
- Demonstrate safe practices concerning, personal safety, hand and power tool usage, and all aspects of fabrication/construction.
- Use appropriate tools, materials/fasteners and current building technology to complete projects.
- Practice good work ethics and quality workmanship with regard to industry standards.
- Construct projects by interpreting drawings, applying building code requirements where applicable.
- Synthesize principles, procedures and objectives using critical thinking, appropriate materials, tools/equipment and procedures to construct a residential dwelling.
- Demonstrate awareness of environmental and cultural impacts at the community and global level during planning and construction phases.

Entry Requirements

- Proficiency levels in reading, writing and/or mathematics are required to register for some or all of the Program courses:

Subject Area	Minimum placement into course
Mathematics	QM 120T
Reading	Eng 21 or ESL 21

First Semester			CA	AAS
*	Carp 150	Basic Carpentry I	6	6
*	Carp 151	Basic Carpentry II	6	6
	Blpr 30F	Blueprint Reading for Carpenters	3	3
**	QM 120T	Quantitative Methods for Trans Tech (or Math 100 or higher (not Math 120))	3	3
		TOTAL	*18*	*18*

Second Semester			CA	AAS
*	Carp 155	Concrete Form Construction	12	12
	Blpr 40	Blueprint Reading and Estimating	3	3
**	English	Eng 100 or Eng 100E or Eng 102 or Eng 106	-	3
		TOTAL	*15*	*18*

Third Semester			CA	AAS
*	Carp 257	Framing and Exterior Finish	12	12
	Electives ††	Cultural Env., Natural Env., Social Env.	-	6
		TOTAL	*12*	*18*

Fourth Semester			CA	AAS
*	Carp 260	Finishing	12	12
	Math 55	Technical Math II	1	1
	Elective ††	Cultural Env., Natural Env., Social Env.	-	3
		TOTAL	*13*	*16*
		TOTAL	**58**	**70**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Community Health Worker (CHW)

Faculty: C. Wilcox-Boucher

This certificate prepares students to become Community Health Workers, outreach workers, or navigators in a variety of healthcare settings. They are skilled in providing health education and care coordination.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Develop interpersonal skills that build appropriate, collaborative, respectful relationships with fellow students in the classroom, clients and professionals in the fieldwork setting or work environment.
- Demonstrate how to promote healthy behaviors, care coordination, advocacy, and/or community outreach.
- Reflect on how culture, language and socio-environmental factors influence individuals and families seeking health and/or social services.

Entry Requirements

- Proficiency levels in reading, writing and/or mathematics are required to register for some or all of the Program courses:

Subject Area	Minimum placement into course
Reading	Eng 102
Writing	Eng 100

Community Health Worker Certificate of Competence			CO
First Semester			
*	HSer 101	Community Health Worker Fundamentals	3
*	HSer 140	Individual Counseling	3
Second Semester			
*	HSer 135	Health Promotion and Disease Prevention	3
*	HSer 192	Seminar and Fieldwork I	3
*	HSer 248	Case Management	3
Third Semester			
*	HSer 292	Seminar and Fieldwork II	3
		TOTAL	**18**

* A grade of "C" or better is required to earn a certificate

Cooperative Vocational Education (CVE)

Faculty: See individual program faculty

CVE is an elective that is offered to all qualified students enrolled in vocational-technical programs and who, through a cooperative arrangement between the school and employers, receive part-time related instruction in the school and on-the-job training through part-time employment.

Alternating study in college with employment in private or public sectors is provided. Both experiences are supervised by Hawai'i CC and the employer contributes to the student development in his or her chosen occupation.

Creative Media (CM)

Faculty: M. Hu

This program prepares students for employment in the field of digital media design and production. It gives necessary education and training to students seeking entry-level positions as digital media artists and/or transfer to a Baccalaureate granting institution. It provides professionals already in the field with updated technology training.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Demonstrate the ability to use technology effectively to create visual artworks.
- Gather, analyze, and evaluate information visually.
- Apply knowledge of aesthetics to the needs of the community.
- Demonstrate professionalism with a digital portfolio.

First Semester		AS
* Intro to Art	Art 101 or Art 113	3
* Art 112	Introduction to Digital Arts	3
* Art 115	Introduction to 2D Design	3
** English	Eng 100 or Eng 100E	3
ICS 101	Digital Tools for the Information World	3
	TOTAL	*15*

Second Semester		AS
* Intro to Art	Art 107D or Art 120	3
* Art 202	Digital Imaging	3
* Art	Electives (see below)	3
** Math	Math 100 or Math 115 or Math 135 or higher	3
Sp 151	Personal and Public Speech	3
	TOTAL	*15*

Third Semester		AS
Business	Busn 158 or Ent 125	3
* Art 125	Introduction to Graphic Design	3
* CM 120	Introduction to Digital Video	3
* Art	Electives (see below)	3
Electives ††	Diversifications - Arts, Humanities, Literature (choose from Art 101 (DA), Art 111 (DA), Art 113 (DA), Art 114 (DA), Art 230 (DA), HwSt 100 (DH), HwSt 107 (DH), or HwSt 270 (DL))	3
	TOTAL	*15*

Fourth Semester		AS
* Experience	Art 293 or Art 294	3
* Art	Electives (see below)	6
Electives ††	Diversifications - Natural Sciences (choose from DB, DP)	3
Electives ††	Diversifications - Social Sciences (DS)	3
	TOTAL	*15*
	TOTAL	**60**

Art Electives - The following courses will be accepted (if not already used to satisfy requirements):

- Art 101, 107D, 111, 113, 114, 120, 126, 156, 207D, 212, 214, 225, 226, 229, 248, 249, 257, 259, 293, 294

Additional Requirement

- One Writing Intensive (WI) course with a "C" or better grade.

* A grade of "C" or better is required to earn a degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)

Culinary Arts (CULN)

Faculty: P. Heerlein (PAL) S. Sumiki
P. Velasco
Staff: T. Hiro

This program is designed to provide for entry-level employment in hotels, full-service restaurants, fast food restaurants, institutions (schools, hospitals, corrections, etc.) and private clubs. Accredited by the American Culinary Federation since July 2005.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Apply appropriate ethics for purchasing and receiving in the culinary industry.
- Demonstrate proper work attitudes and work habits.
- Demonstrate general knowledge of culinary departmental functions and their relationship.
- Demonstrate an understanding of the culinary industry business operations.
- Demonstrate entry-level proficiency in technical skills required in the culinary industry according to the American Culinary Federation.
- Choose an appropriate career path based on industry knowledge or requirements.
- Apply appropriate etiquette, appearance, and hygiene as required by industry standards.
- Demonstrate skills necessary for acquiring a job in the culinary field.
- Integrate their knowledge of Hawai'i's culture and food into cuisine.
- Apply nutritional concerns to the creation of menus.

First Semester - East Hawai'i (Hilo)		CA	AAS
* Culn 111	Introduction to the Culinary Industry	2	2
* Culn 112	Sanitation and Safety	2	2
* Culn 120	Fundamentals of Cookery	5	5
* Culn 170	Food and Beverage Purchasing	3	3
** QM 120H	Quantitative Methods for Culinary Arts (or Math 100 or higher (not Math 120))	3	3
Elective††	Cultural Environment (HwSt course recommended)	-	3
	TOTAL (Hilo)	*15*	*18*

Second Semester - East Hawai'i (Hilo)		CA	AAS
* Culn 115	Menu Merchandising	2	2
* Culn 131	Short Order Cookery	3	3
* Culn 140	Cold Food Pantry	4	4
* Culn 150	Fundamentals of Baking	4	4
** Eng	Eng 21 or ESL 21 or Eng 22 or (ESL 22G and ESL 22W) or higher	3	-
** English	Eng 100 or Eng 100E or Eng 102 or Eng 106	-	3
	TOTAL (Hilo)	*16*	*16*

Third Semester - East Hawai'i (Hilo)		CA	AAS
* Culn 133	Bistro Cookery & Intro to Dining Rm Svc	6	6
* Culn 185 ††	Culinary Nutrition (meets Nat. Env. requirement for A.A.S.)	-	3
* Culn 270	Food and Beverage Cost Control	-	4
Business Management ††	Culn 190 or HosT 280 (meets Soc. Env. requirement for A.A.S.)	-	3
	TOTAL (Hilo)	*6*	*16*

Fourth Semester - East Hawai'i (Hilo)		CA	AAS
* Culn 160V	Dining Room Service/Stewarding	4	4
* Culn 220	Advanced Cookery	5	5
* Culn 240	Garde Manger	4	4
* Culn 252	Patisserie	-	4
	TOTAL (Hilo)	*13*	*17*
	TOTAL	**50**	**67**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Meets requirements in Cultural Env., Natural Env., or Social Env.

First Semester - West Hawai'i (Pālamanui)		CA	AAS
* Culn 111	Introduction to the Culinary Industry	2	2
* Culn 112	Sanitation and Safety	2	2
* Culn 120	Fundamentals of Cookery	5	5
* Culn 160V	Dining Room Service/Stewarding	2	2
* Culn 170	Food and Beverage Purchasing	3	3
** QM 120H	Quantitative Methods for Culinary Arts (or Math 100 or higher (not Math 120))	3	3
	TOTAL (Pālamanui)	*17*	*17*

Second Semester - West Hawai'i (Pālamanui)		CA	AAS
* Culn 115	Menu Merchandising	2	2
* Culn 131	Short Order Cookery	3	3
* Culn 140	Cold Food Pantry	4	4
* Culn 150	Fundamentals of Baking	4	4
* Culn 160V	Dining Room Service/Stewarding	2	2
** Eng	Eng 21 or ESL 21 or Eng 22 or (ESL 22G and ESL 22W) or higher	3	-
** English	Eng 100 or Eng 100E or Eng 102 or Eng 106	-	3
	TOTAL (Pālamanui)	*18*	*18*

Third Semester - West Hawai'i (Pālamanui)		CA	AAS
* Culn 133	Bistro Cookery & Intro to Dining Rm Svc	6	6
* Culn 185 ††	Culinary Nutrition (meets Nat. Env. requirement for A.A.S.)	-	3
* Culn 252	Patisserie	-	4
Business Management ††	Culn 190 or HosT 280 (meets Soc. Env. requirement for A.A.S.)	-	3
	TOTAL (Pālamanui)	*6*	*16*

Fourth Semester - West Hawai'i (Pālamanui)		CA	AAS
* Culn 220	Advanced Cookery	5	5
* Culn 240	Garde Manger	4	4
* Culn 270	Food and Beverage Cost Control	-	4
Elective ††	Cultural Environment (HwSt course recommended)	-	3
	TOTAL (Pālamanui)	*9*	*16*
	TOTAL	**50**	**67**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Meets requirements in Cultural Env., Natural Env., or Social Env.

Diesel Mechanics (DISL)

Faculty: M. Soares

This program prepares the student for employment as a skilled tradesperson who troubleshoots, maintains, and repairs various types of diesel engines, trucks, tractors, boats, and other heavy equipment.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Function safely in a heavy equipment shop environment.
- Demonstrate ability to communicate effectively to gather and convey information.
- Apply theory and principles for proper diagnosis, repair, and maintenance in the heavy-duty truck equipment industry.
- Practice the minimum essential mental, physical, and behavioral skills necessary to maintain professional proficiency.
- Work collaboratively with others as well as independently.

Entry Requirements

- Possess a valid driver's license

First Semester		CA	AAS
* DiMc 120	Introduction to Diesel Engines	12	12
** QM 120T	Quantitative Methods for Trans Tech (or Math 100 or higher (not Math 120))	-	3
Electives ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*12*	*18*

Second Semester		CA	AAS
* DiMc 130	Introduction to Electrical Systems & Diesel Fuel Systems	12	12
** English	Eng 100 or Eng 100E or Eng 102 or Eng 106	-	3
Electives ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*12*	*18*

Third Semester		CA	AAS
* DiMc 140	Introduction to Power Trains	12	12
Electives ††	Cultural Env., Natural Env., Social Env.	-	3
	TOTAL	*12*	*15*

Fourth Semester		CA	AAS
* DiMc 150	Intro to Heavy Duty Brakes, Steering, Suspension, Hydraulics, & Hydrostatics	12	12
DiMc 93V	CVE (optional)	-	-
	TOTAL	*12*	*12*
	TOTAL	**48**	**63**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Digital Media Arts (DMA)

Faculty: M. Hu

This program prepares students for employment in the field of digital media design and production. It gives necessary education and training to students seeking entry-level positions as digital media artists and/or transfer to a Baccalaureate granting institution. It provides professionals already in the field with updated technology training.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Use technology effectively to create visual artworks.
- Gather, analyze, and evaluate information visually.
- Apply knowledge of aesthetics to the needs of the community.
- Demonstrate professionalism with a digital portfolio.

Digital Media Arts Certificate of Competence

First Semester		CO
* Art 112	Introduction to Digital Arts	3
* Art 115	Introduction to 2D Design	3
	TOTAL	*6*

Second Semester		CO
* Art 202	Digital Imaging	3
* CM 120	Introduction to Digital Video	3
	TOTAL	*6*

Third Semester		CO
* Business	Busn 158 or Ent 125	3
* Experience	Art 293 or Art 294	3
* Art	Electives (see below)	3
	TOTAL	*9*
	TOTAL	**21**

Art Electives - The following courses will be accepted (if not already used to satisfy requirements):

- Art 107D, 113, 120, 126, 156, 207D, 212, 214, 225, 226, 229, 248, 249, 257, 259, 293, 294

* A grade of "C" or better is required to earn a certificate

Early Childhood Education (ECED)

Faculty: J. Smith B. Watanabe
Children's Center Staff:
R. Agno C. Babagay

This program is designed to provide attitudes, skills, and knowledge for people who work with young children and their families in a variety of early childhood programs. The Certificate of Competence (C.O.) or Certificate of Achievement (C.A.) prepares students for support roles in early childhood programs. An Associate in Science (A.S.) degree prepares students to be teachers or lead practitioners in early childhood programs.

Students taking Laboratory or Practicum courses are required to complete fingerprinting and pass the criminal history record checks.

This degree is fully articulated with the Bachelor of Arts in Social Science (with a concentration in Early Childhood Education) offered through the University of Hawai'i West O'ahu via Distance Education. Students interested in pursuing the BA degree with UH West O'ahu are encouraged to meet with an Early Childhood Education advisor their first semester.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Use knowledge of child development and of individual children to create healthy, challenging learning environments, and experiences.
- Build positive relationships and guide children through supportive interactions.
- Build respectful partnerships with children, families, colleagues, and communities.
- Observe, document, and assess children's development and learning in partnerships with families.
- Plan, implement, and assess learning experiences using appropriate content, concepts, and methods.
- Use reflective practices to base decisions and actions on ethical and professional standards.
- Advocate for children and their families within the program.

First Semester		CA	AS
* ECEd 105	Intro to Early Childhood Education	3	3
* ECEd 110	Developmentally Appropriate Pract.	3	3
* ECEd 131	Early Childhood Development: Theory into Practice	3	3
** Eng	Eng 21 or ESL 21 or Eng 102 or higher	3	-
** Eng 102	College Reading Skills	-	3
Electives	Diversifications - Social Sciences (DS) -	3	
	TOTAL	*12*	*15*

Second Semester			CA	AS
	ECEd 140	Guiding Young Children in Group Settings	3	3
	ECEd 115	Health, Safety, and Nutrition for the Young Child	3	3
	ECEd 263	Language & Creative Expression Curric	-	3
	or			
	ECEd 264	Inquiry and Physical Curriculum	-	(3)
**	English	Eng 22 or (ESL 22G and ESL 22W) or Eng 100 or Eng 100E	3	-
**	English	Eng 100 or Eng 100E	-	3
	Electives	Diversifications - Arts, Humanities, Literature (choose from DA, DH, DL)	-	3
		TOTAL	*9*	*15*

Third Semester			CA	AS
*	ECEd 190 †	Early Childhood Laboratory	4	4
	ECEd 245	Child, Family, and Community	3	3
	ECEd 263	Language & Creative Expression Curric	-	(3)
	or			
	ECEd 264	Inquiry and Physical Curriculum (whichever was not taken previously)	-	3
**	Speech	Sp 51 or Sp 151	3	-
**	Sp 151	Personal and Public Speech	-	3
**	Math	Math 82X or higher	3-5	-
**	Math	Math 100 or higher	-	3
		TOTAL	*13-15*	*16*

Fourth Semester			CA	AS
*	ECEd 291	Early Childhood Practicum II	-	4
	Electives ††	Diversifications - Arts, Humanities, Literature (choose from DA, DH, DL)	-	3
	Electives ††	Diversifications - Natural Sciences (choose from DB, DP, DY)	-	3
	Electives ††	Diversifications - Social Sciences (DS)	-	3
	Electives	General Electives	-	3
		TOTAL	-	*16*
		TOTAL	**34-36**	**62**

Early Childhood Education Practitioner I Certificate of Competence

First Semester			CO
*	ECEd 105	Intro to Early Childhood Education	3
*	ECEd 110	Developmentally Appropriate Practices	3
*	ECEd 131	Early Childhood Development	3

Second Semester			CO
	ECEd 140	Guiding Young Children in Group Settings	3

Third Semester			CO
*	ECEd 190 †	Early Childhood Laboratory	4
		TOTAL	**16**

Initial Early Childhood Education Certificate of Competence

			CO
*	ECEd 105	Intro to Early Childhood Education	3
*	ECEd 110	Developmentally Appropriate Practices	3
*	ECEd 131	Early Childhood Development	3
		TOTAL	**9**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
† ECEd 191 - Early Childhood Practicum I may be substituted for ECEd 190 only when ECEd 190 is not available and with instructor's consent.
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)

The Hawai'i CC Children's Center, located on the Manono campus, provides a setting for early childhood students to gain practical experience with young children. The Center provides early education and care for children 18 months to 5 years of age and serves children of students, faculty, and staff from Hawai'i CC and UH Hilo. Community children are accepted on a space available basis. The Center offers a high quality developmental approach to early education with qualified staff. Early childhood students work and study in the Center, under the guidance and supervision of early childhood faculty and staff. The Center is accredited by the National Association for the Education of Young Children.

Electrical Installation and Maintenance Technology (EIMT)

Faculty: R. Dela Cruz P. Pajo

This program prepares students for employment with electrical appliance shops, utility companies, and electrical construction, and maintenance companies. Learning will center on planning, designing, constructing, installing, and maintaining electrical wiring and equipment.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Accurately demonstrate entry-level skills in residential, commercial, and industrial electrical installation and maintenance.
- Practice safety on the job and recognize potential hazards.
- Interpret and comply with the National Electrical Code NFPA 70 book and local codes.
- Read and interpret all sections of blueprints and draft electrical circuits.
- Integrate carpentry, masonry, plumbing, and HVACR systems with electrical installation and maintenance.
- Produce take-off lists, perform layout, and install new materials for existing and new projects.
- Think critically, do research, calculate minimum requirements, and solve problems.
- Demonstrate the qualities of an apprentice electrician: positive attitude and behavior, discipline, promptness and attendance, ability to work alone or with others, with cultural awareness, and good communication skills.

Entry Requirements

- Proficiency levels in reading, writing and/or mathematics are required to register for some or all of the Program courses:

Subject Area	Minimum placement into course
Reading	Eng 21 or ESL 21

First Semester			CA	AAS
*	EIMT 20	Interior Wiring	12	12
**	Etro 120	Fundamentals of Electronics I	5	5
		TOTAL	*17*	*17*

Second Semester			CA	AAS
*	EIMT 22	Electricity Theory and Practice	12	12
	Blpr 22B	Blueprint Reading and Drafting	3	3
**	English	Eng 21 or ESL 21 or Eng 22 or (ESL 22G and ESL 22W) or higher	3	-
	Eng 102	College Reading Skills	-	3
		TOTAL	*18*	*18*

Third Semester			CA	AAS
*	EIMT 41	Commercial Wiring	12	12
	Elective ††	Natural Environment (numbered 100 or above, Phys recommended)	-	3
	Blpr 30C	Blueprint Reading for Electricians	3	3
		TOTAL	*15*	*18*

Fourth Semester			CA	AAS
*	EIMT 43	Industrial Wiring	12	12
	Elective ††	Cultural Environment	-	3
	Elective ††	Social Environment	-	3
		TOTAL	*12*	*18*
		TOTAL	**62**	**71**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Electronics Technology (ET)

This program prepares students for employment in telecommunications, medical electronics, computers, and consumer electronics. The electronic technician fabricates, installs, maintains, and repairs electronic equipment.

Students applying to the electronics program should have two years of high school math including geometry or algebra, and two years of high school science including chemistry or physics.

NOTE: At this time, admissions will be temporarily paused for the AAS-ET, CA-ET, and CO-ET programs. New students will not be accepted for the 2024-2025 academic year. For more information, contact the Counseling, Advising and Support Services Center at (808) 934-2720 or e-mail hawccssc@hawaii.edu

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Specify, design, build, install, program, operate, troubleshoot, analyze, and modify electronics systems, automated test, and manufacturing control systems.
- Specify, install, program, operate, troubleshoot, and modify computer systems.
- Have effective written, interpersonal, presentation, and team building skills.
- Have the necessary leadership and management skills to effectively complete a project.
- Have a well-developed sense of work ethics and personal discipline to succeed in their chosen profession.
- Have attitudes, abilities, and skills required to adapt to rapidly changing technologies and a desire for life-long learning.

Entry Requirements

- Proficiency levels in reading, writing and/or mathematics are required to register for some or all of the Program courses:

Subject Area	Minimum placement into course
Reading	Eng 21 or ESL 21

First Semester			CA	AAS
*/**	Etro 120	Fundamentals of Electronics I	5	5
*	Etro 120L	Fundamentals of Electronics I Lab	2	2
*	Etro 140	Network Fundamentals	3	3
*	Etro 143	Digital Electronics	5	5
*	Etro 143L	Digital Electronics Lab	2	2
		TOTAL	*17*	*17*

Second Semester			CA	AAS
*	Etro 121	Process Controls & Electronics Fabrication	3	3
*	Etro 121L	Process Controls & Electronics Fabrication Lab	-	2
*	Etro 122	Fundamentals of Electronics II	5	5
*	Etro 122L	Fundamentals of Electronics II Lab	2	2
*	Etro 240B	Routing Protocols and Concepts	3	3
**	Eng	Eng 21 or ESL 21 or Eng 22 or (ESL 22G and ESL 22W) or higher	3	-
		TOTAL	*16*	*15*

Third Semester			CA	AAS
*	Etro 257	RF Communications	2	2
*	Etro 280	Microprocessors in Micro Controllers PLC	3	3
*	Etro 240C	LAN Switching and Wireless	3	3
**	English	Eng 100 or Eng 100E	-	3
	Elective ††	Natural Environment	-	3
		TOTAL	*8*	*14*

Fourth Semester		CA	AAS
* Etro 241	Accessing the WAN	3	3
* Etro 266	Introduction to Fiber Optics	3	3
* Etro 287	Programmable Logic Controllers	3	3
* Etro 287L	Programmable Logic Controllers Lab	1	1
Elective ††	Cultural Environment	-	3
Elective ††	Social Environment	-	3
	TOTAL	*10*	*16*
	TOTAL	**51**	**62**

Network Technology Certificate of Competence

First Semester		CO
Etro 140 or CENT 140	Network Fundamentals	3
Second Semester		**CO**
Etro 240B or CENT 240B	Routing Protocols and Concepts	3
Third Semester		**CO**
Etro 240C or CENT 240C	LAN Switching and Wireless	3
Fourth Semester		**CO**
Etro 241 or CENT 241	Accessing the WAN	3
	TOTAL	**12**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Engineering Technology (ENGT)

See Architecture, Engineering and Construction Technologies (AEC) for AAS and CA listings.

Faculty: D. De Silva

This program involves the hands-on application of technical expertise to engineering tasks in a wide range of industries. From building our nation's infrastructure to making our transportation and energy systems more efficient, wherever scientists and engineers are found, so are engineering technicians and technologists. Engineering techs may assist with setting up equipment, conducting experiments, and collecting data, or involved in the design and development end of the process, using computer-aided design and drafting (CADD) equipment. Students will also gain knowledge in data gathering methodologies including remote sensing systems, optics and GIS technology.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Using computational and reasoning skills, demonstrates entry-level skills for accuracy in drawings and/or maps, and identifies the relationship of features to demonstrate visualization.
- Formulate, design, revise, and construct projects utilizing prior knowledge, research, and other resources to defend, explain, and discuss.
- Design and generate Architectural documents, Engineering documents and GIS maps using two-dimensional and three-dimensional CAD programs.
- Demonstrate operational competence in using surveying hand tools and equipment.
- Demonstrate operational competence in using Unmanned Aerial Systems.
- Illustrate within the design process an understanding of the balance between cultures.

Geospatial Technologies Certificate of Competence		CO
* EngT 112	Computer Aided Drafting (CAD)	3
* EngT 129	Geomatics & Land Surveying I	3
* EngT 247	Geomatics & Land Surveying II	3
* EngT 270	Intro to Geographic Info Systems (GIS)	4
	TOTAL	**13**

Geospatial Remote Sensing Hawai'i Certificate of Competence

		CO
* EngT 107	Unmanned Aerial Systems Flight	4
* EngT 270	Intro to Geographic Info Systems (GIS)	4
* EngT 275	Spatial Data Mgmt & Analysis	4
* EngT 291	Rural & Urban Remote Sensing	4
	TOTAL	**16**

* A grade of "C" or better is required to earn a certificate

Environmental Studies Academic Subject Certificate (ASC-ENVS)

Faculty: P. Scheffler

The Environmental Studies Academic Subject Certificate, within the Liberal Arts degree, will provide a focus on issues concerning our environment. Some issues are unique to Hawai'i while some are global.

In order to allow students to study environmental issues from many different angles, the curriculum of this certificate is based on an interdisciplinary approach to Environmental Studies and includes courses from Humanities, Natural Sciences, and Social Sciences.

Transfer credit:

Credits may transfer from another college for courses equivalent to the ones listed in the curriculum.

Requirements

1. **Credits Required:** A minimum of 16 credits is required to receive the ASC-ENVS.
2. Earn a "C" or better in each course.

Core Requirements (7 credits)

- Biol 124 and 124L
- Choose 1: Ag 190V, Sci 190V, SSci 250

Subject Areas (9 credits)

Plus one (1) course from each of the areas below:

Life Sciences (3 credits)

- Biol 101, 156, 171, 172
- Bot 101, 130
- Zool 101

Physical Sciences (3 credits)

- BioC 141
- Chem 100, 151, 161, 162
- Geo 101
- Ocn 201

Social Sciences (3 credits)

- Bot 105
- Econ 120
- Geo 102, 122
- PolS 110
- Soc 100, 218
- SSci 111, 150

Fire Science (FS)

Faculty: J. Minassian

The Fire Science Program prepares individuals with the academic knowledge for entry employment in the Fire Service field as well as meeting the needs of in-service professionals.

Upon completion of this program, students will have the knowledge to prepare for a career with federal, state, and local fire and emergency service agencies, with an emphasis on Structural Fire Fighting, Wildland Fire Suppression, Hazardous Materials Incidents, Fire Prevention and Investigation, Emergency Medical Technician, Fire Management and Administration, and the Incident Command System.

After earning the Associate in Science (A.S.) Degree, students have the opportunity to pursue a bachelor's degree in Fire Administration from an accredited university through distance learning. See program faculty for a list of courses that will transfer.

Health and physical requirements vary with different employers in the Fire Service field, so prospective students should seek advice before enrolling.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Meet the minimum academic training requirements of the National Fire Protection Association's (NFPA) Standard 1001, Standard for Fire Fighter Professional Qualifications (Fire Fighter I).
- Perform as fully qualified wildland firefighters (FFT2) in accordance with National Wildfire Coordinating Group PMS 310-1 standards.
- Utilize the Incident Command System to manage a wide variety of planned and un-planned incidents.
- Demonstrate knowledge of modern fire service strategies, tactics, and management for both structural and wildland fire incidents.
- Meet the requirements for National Fire Protection Association's (NFPA) 472, Standard for Professional Competence of Responders to Hazardous Materials Incidents for the Awareness and Operational Levels.
- Apply the principles of interpersonal communication, cooperative teamwork, supervision, and management for leadership in the fire service.
- Apply theoretical principles of the chemistry of fire and hydraulics to solve water supply problems.

Fire Science (FS)

First Semester		**CA**	**AS**
Fire 101	Essentials of Fire Suppression	3	3
Fire 101L	Essentials of Fire Suppression Lab	1	1
Fire 151	Introduction to Wildland Fire Control	3	3
Fire 156	Incident Command System	3	3
Computer Literacy			
	ICS 100 or ICS 101	-	3
Electives	General Electives	-	3
	TOTAL	*10*	*16*

Second Semester		**CA**	**AS**
Fire 153	Advanced Wildland Firefighting	3	3
Fire 157	Intermediate Wildland Fire Behavior	3	3
Hlth 125	Survey of Medical Terminology	-	1
** English	Eng 100 or Eng 100E	-	3
** Math	Math 100, 103, 115, 135, 140, or 241	-	3
	TOTAL	*6*	*13*

Third Semester		**CA**	**AS**
Fire 202	Fire Hydraulics	3	3
Fire 212	Firefighting Strategies and Tactics	3	3
Fire 215	Wildland/Urban Interface Operations	3	3
Biol 100 ††	Human Biology (DB)	-	3
Biol 100L	Human Biology Laboratory	-	1
Electives ††	Diversifications - Social Sciences (DS)	-	3
	TOTAL	*9*	*16*

Fourth Semester		CA	AS
Fire 207	Hazardous Material Awareness/Operation	3	3
Fire 210	Fire Administration	3	3
Fire 217	Firefighter Life Safety	3	3
Phyl 141	Human Anatomy and Physiology I	-	3
Phyl 141L	Human Anatomy and Physiology I Lab	-	1
Speech ††	Sp 151 (DA) or Sp 251 (DA)	-	3
	TOTAL	*9*	*16*
	TOTAL	**34**	**61**

Fire Science - Emergency Medical Technician (FS-EMT)

First Semester		CO	AS
Fire 101	Essentials of Fire Suppression	-	3
Fire 101L	Essentials of Fire Suppression Lab	-	1
Fire 151	Introduction to Wildland Fire Control	-	3
Fire 156	Incident Command System	-	3
Computer Literacy			
	ICS 100 or ICS 101	-	3
	TOTAL	-	*13*

Second Semester		CO	AS
Fire 153	Advanced Wildland Firefighting	-	3
Fire 157	Intermediate Wildland Fire Behavior	-	3
Hlth 125	Survey of Medical Terminology	1	1
** English	Eng 100 or Eng 100E	3	3
** Math	Math 100, 103, 115, 135, 140, or 241	-	3
	TOTAL	*4*	*13*

Third Semester		CO	AS
Fire 202	Fire Hydraulics	-	3
Fire 212	Firefighting Strategies and Tactics	-	3
Fire 215	Wildland/Urban Interface Operations	-	3
Electives ††	Diversifications - Social Sciences (DS)	-	3
	TOTAL	-	*12*

Fourth Semester		CO	AS
Fire 207	Hazardous Material Awareness/Operation	-	3
Fire 210	Fire Administration	-	3
Fire 217	Firefighter Life Safety	-	3
Phyl 141 ††	Human Anatomy and Physiology I (DB)	-	3
Phyl 141L	Human Anatomy and Physiology I Lab	-	1
Speech ††	Sp 151 (DA) or Sp 251 (DA)	-	3
	TOTAL	-	*16*

Fifth Semester		CO	AS
* Fire 250	Emergency Medical Technician	10.5	10.5
* Fire 251	Emergency Medical Tech Practicum	1.6	1.6
	TOTAL	*12.1*	*12.1*
	TOTAL	**16.1**	**66.1**

* A grade of "C" or better is required to earn a certificate
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)

Global Studies Academic Subject Certificate (ASC-LBRT-GLS)

Faculty: P. Scheffler

The interdisciplinary Global Studies Academic Subject Certificate is designed to integrate student learning across disciplines and programs and foster connections between disciplinary learning, world languages, and study abroad experiences. This certificate will provide students with the opportunity to gain awareness of and sensitivity to other cultures' norms, practices and actions while at the same time recognizing the unique attributes of one's own culture. It will teach them to speak and write in another language while recognizing and respecting the importance of language diversity (all languages) in global communication. It will also help them to recognize self as a part of global culture by demonstrating awareness of the interdependence of global systems: by understanding how the U.S. may be perceived world-wide; by solving problems with multiple perspectives and variables; and by making globally responsible decisions.

Requirements

1. **Credits Required:** A total of 16 credits is required to receive the ASC-LBRT-GLS:
   - A minimum of 4 credits World Language study
   - A minimum of 3 credits of Study Abroad
   - A minimum of 3 credits Internationalized Courses
   - Remaining credits from any courses listed in the above categories.
2. Earn a "C" or better in each course.

World Language (4 credits)

- Haw 101, 102, 201, 202
- Jpn 101, 102

Study Abroad (3 credits)

- Art 269C † Study Abroad - Japan
- Geo 292V Special Topics: Study Abroad
- Sci 292V Special Topics: Study Abroad

Internationalized Courses (3 credits)

- AJ 180, 181, 182, 280
- Anth 121, 150, 200, 235
- Art 159, 227, 269C †
- Asan 120, 121, 122
- Biol 124
- Bot 105, 105L
- Econ 120, 130, 131
- Eng 255, 257A, 257E
- Geo 102

(continued on next page)

- Hist 120, 151, 152, 153, 154, 241, 242, 288
- HSer 141
- HwSt 100, 107
- Ling 102
- Phil 102, 213
- Phys 105
- PolS 110
- Rel 150
- SSci 111
- Soc 290
- Sp 233
- Univ 101
- WGSS 151

† These courses appear in multiple areas but count only once for graduation requirements.

Hawai'i Life Styles Academic Subject Certificate (ASC-HWST-HLS)

The Hawai'i Life Styles ASC provides an engaging foundation for students interested in exploring and experiencing Hawaiian cultural traditions. Learners may specialize in the Subject Certificate while fulfilling the program requirements for any major at Hawai'i CC.

General Information

Students seeking the ASC-HWST-HLS must receive a grade of "C" or better in all courses. The listed requirements are subject to change. For the latest information, please visit the website, www.hawaii.hawaii.edu/hawaii-life-styles or contact the main HLS office at (808) 934-2600. Students may also contact a faculty advisor:

Hilo

Taupōuri Tangarō	taupouri@hawaii.edu	934-2575
No'el Tagab-Cruz	tagab@hawaii.edu	934-2616
Pele Kaio	pelekaio@hawaii.edu	934-2606
Ku'ulei Kanahele	tracyk@hawaii.edu	934-2605
Ākea Kiyuna	akiyuna@hawaii.edu	934-2609

Pālamanui

E. Kalani Flores	ekflores@hawaii.edu	969-8875

Requirements

1. **Credits Required:** A minimum of 12 credits is required to receive the ASC-HWST-HLS.
2. A minimum of 6 credits must be completed at Hawai'i CC.
3. **Minimum GPA Required:** A minimum cumulative GPA of 2.0 is required.

Language Requirements (4 cr)

Choose 1:

- Haw 101, 102, 201, 202

Core Requirements (8 credits)

Required (3 credits)

- HwSt 100

Electives (5 credits required)

- Any other Haw and/or HwSt courses not already taken

Hawaiian Studies (AA-HWST) Associate in Arts Degree

Faculty:	E.	Flores (PAL)	P.	Kaio
	K.	Kanahele	A.	Kiyuna
	N.	Tagab-Cruz	T.	Tangarō
Staff:	M.	Burnett	T.	Naea

The Associate of Arts in Hawaiian Studies (AA-HWST) is designed to advance indigenous Hawaiian knowledge and experiences for a culturally informed worldview. This is a two-year Associate of Arts degree consisting of 61 credits that is directly transferable to a University of Hawai'i four-year college or university.

General Information

Students interested in transferring to or enrolling in the AA-HWST program are encouraged to meet with a counselor. Please call the Counseling Office at (808) 934-2720.

For the latest information please visit the website www.hawaii.hawaii.edu/hawaiian-studies

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Describe aboriginal Hawaiian linguistic, cultural, historical, and political concepts.
- Apply aboriginal Hawaiian concepts, knowledge, and methods to the areas of science, humanities, arts, and social sciences, in academics and in other professional endeavors.
- Engage, articulate, and analyze topics relevant to the aboriginal Hawaiian community using college-level research and writing methods.

To earn the Associate in Arts in Hawaiian Studies Degree from Hawai'i CC, a student must meet the following requirements:

1. Credits Required: A total of 61 credits earned at or transferred to Hawai'i CC in 100-200 level courses
2. A minimum of 12 credits must be completed at Hawai'i CC
3. Minimum GPA Required: A minimum cumulative GPA of 2.0 is required for graduation
4. CR/NC option may be used to satisfy area and general elective requirements (Policy Haw 5.503)

Foundations (12 credits)

Written Communication (FW) (3 credits):

- Eng 100 (Writing) or Eng 100E (Writing)

Quantitative Reasoning (FQ) (3 credits):

- Math 100, 115, 120, 135, 140, 241, 242

Global & Multicultural Perspectives (FG) (6 credits) in 2 different groups:

- Group A - Prehistory to 1500: Hist 151, WGSS 175
- Group B - 1500 to Modern Times: Hist 152, Geo 102, WGSS 176
- Group C - Prehistory to Modern Times: (none at this time)

Hawai'i CC Required Courses (6 credits)

College Reading Skills:

- Eng 102 (Reading)

Communication Skills:

- Sp 151 or Sp 251

Graduation Requirements

Writing Intensive:

- One WI course with a "C" or better grade

Hawaiian Language and Hawaiian Studies Requirements (12 credits)

Hawaiian Language (8 credits):

- Haw 101, 102

Hawaiian Studies (4 credits):

- HwSt 103, 107

Specializations (12 credits)

Choose one group

- **Hula** (AA-HWST-HULA): HwSt 130, 131, 260; plus 3 additional credits of Haw and/or HwSt courses (at the 200-level)
- **Kapuahi Foundations** (AA-HWST-KAPU): HwSt 260; plus 9 additional credits of Haw and/or HwSt courses (at least 3 credits must be at the 200-level)

Diversifications (19 credits)

***Diversifications - Arts, Humanities, Literature*:** Six (6) credits required in 2 different areas (DH and DL required):

Diversification - Humanities (DH):

- HwSt 100

Diversification - Literature (DL):

- HwSt 270

***Diversifications - Natural Sciences*:** Seven (7) credits: three (3) credits from Biological Sciences; and (3) credits from Physical Sciences; and one (1) credit any Natural Science Lab:

Diversification - Biological Sciences (DB):

- Biol 100, 101, 124, 156, 171, 172
- Bot 101, 130
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):

- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101

Diversification - Natural Science Lab (DY):

- Biol 100L, 101L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

***Diversifications - Social Sciences*:** Six (6) credits required in 2 different alphas:

Diversification - Social Sciences (DS):

- Anth 150, 200
- Bot 105
- ECEd 105, 110, 131
- Econ 130, 131
- Geo 122
- HDFS 230
- HSer 110
- Psy 100, 170, 275
- Soc 100
- SSci 111, 150
- WGSS 151

NOTE: Students may not use Independent/Directed Studies courses (marked 199 or 299) to meet area requirements unless prior permission is given by the advisor and the Vice Chancellor for Academic Affairs.

Additionally, courses numbered 99 or below are not applicable toward an Associate in Arts degree.

Hospitality and Tourism (HOST)

The Hospitality and Tourism program is designed to provide job training for entry-level and first line supervisory level positions in the hospitality/visitor industry. Offering educational training in the field of hospitality/visitor industry will ensure a skilled pool of workers is continuously available to meet the industry's employment demand on the Island of Hawai'i. Additionally, making a career path possible to local workers strengthens the human assets of our community. The program was established to:

- Meet the growing needs of the hotels and related hospitality/visitor organizations by training existing and future employees in basic skills needed to obtain entry-level and supervisory positions.
- Provide job upgrading skills necessary for career advancement in the hospitality/visitor industry.
- Develop skills in verbal and written communication.
- Develop skills in distance learning that will promote lifelong learning.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Demonstrate essential hospitality operations and management skills, including accounting, marketing, and information technology.
- Communicate effectively with guests and coworkers through writing, speech, listening, and nonverbal expression appropriate for the hospitality workplace.
- Analyze diverse and dynamic hospitality workplace situations to solve problems and achieve goals through leadership and teamwork.
- Assess personal work performance through various lenses, including Hawaiian cultural values, multicultural global perspectives, ethical reasoning, legal principles, and sustainability.

First Semester		CO	CA	AAS
* HosT 100	Career & Customer Service Skills	3	3	3
* HosT 101	Intro to Hospitality and Tourism	3	3	3
* HosT 150	Housekeeping Operations	3	3	3
* HosT 154	Food and Beverage Operations	3	3	3
** English	Eng 100 or Eng 100E	-	3	3
	TOTAL	*12*	*15*	*15*

Second Semester		CO	CA	AAS
* HosT 152	Front Desk Operations	3	3	3
Computer Literacy				
	Busn 150 or ICS 101	-	3	3
* HwSt 100 ††	Piko Hawai'i: Connecting to Hawai'i Island (or any HwSt course except HwSt 270)	-	3	3
** Math	Math 100 or higher	-	3	3
Busn 178	Business Communications	-	-	3
	TOTAL	*3*	*12*	*15*

Third Semester		CO	CA	AAS
* Management	Econ 131 or HosT 261	-	-	3
Mgt 124	Human Resource Management	-	-	3
* HosT 258	Hospitality Marketing	-	-	3
Accounting	Acc 124, Acc 130, or Acc 201	-	-	3
* HwSt 270	Hawaiian Mythology (or any 3-credit HwSt course except HwSt 100)	-	-	3
	TOTAL	-	-	*15*

Fourth Semester		CO	CA	AAS
* HosT 293V	Hospitality Internship	-	3	3
* HosT 280 ††	Hospitality Management (meets Soc. Env. requirement for A.A.S.)	-	-	3
Law	BLaw 200 or HosT 260	-	-	3
** Sp 151	Personal and Public Speech	-	-	3
Elective ††	Natural Environment	-	-	3
	TOTAL	-	*3*	*15*
	TOTAL	**15**	**30**	**60**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Meets requirement for Cultural Env., Natural Env. or Social Env.

Human Services (HSER)

Faculty: C. Wilcox-Boucher

This certificate prepares students for entry- and mid-level entry employment in such diverse settings as group homes and halfway houses; correctional, developmentally delayed, and community mental health centers; family, child and youth agencies; and programs concerned with special needs such as alcoholism, drug abuse, family violence, homelessness, and aging.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Portray a respectful attitude harmonizing with place, culture, and diverse perspectives, through a reflection of values and self awareness.
- Evaluate employment and educational opportunities through a comprehensive awareness of the function of Human Services in the community.
- Utilize communication skills and implement strategies to assess the multiple causes of social issues and concerns.

Human Services Certificate of Competence

First Semester		CO
* HSer 110	Introduction to Human Services	3
* Eng	Eng 22 or (ESL 22G and ESL 22W) or higher	3
SSci/PS	Electives (see below)	3

Second Semester		CO
* HSer 192	Seminar and Fieldwork I	3
* Psy/Soc	Psy 100 or Psy 170 or Soc 100	3

Third Semester		CO
* HSer 292	Seminar and Fieldwork II	3
SSci/PS	Electives (see below)	3
	TOTAL	21

Social Science/Public Service Electives - The following alphas will be accepted (non-listed alphas must be prior approved by the HSer Coordinator): AJ, Anth, Geo, HDFS, HSer, HwSt, PacS, PolS, Psy, Soc, Subs, WGSS.

* A grade of "C" or better is required to earn a certificate

Information Technology (IT)

Faculty: C. Butler

The Information Technology program is a career-laddered, competency-based program that provides training in the use and support of business-related computer systems, data communication networks (including local area networks), and the development of business computer information systems programs using procedural, event-driven and object-oriented programming techniques.

The program includes a combination of business, computer, and information technology courses. Campus-based computer and networking projects, faculty supervised laboratories, and workplace internships provide hands-on experience designed to prepare students for positions in computer support, programming, network administration, or systems development in a business information technology system. The program focuses on computers and information technology as tools to solve business problems.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Information Systems - Plan, develop, and implement the hardware, software, and procedural components of a data processing system in a business environment.
- Networking - Plan, develop, and implement the hardware, software, and procedural components of a data communications system in a business environment.
- Programming - Plan, develop, implement, and document computer programs that meet the data processing requirements of a business organization.
- Productivity - Work independently and cooperatively to deliver reports, programs, projects, and other deliverables that document a business organization's information technology requirements.
- Legal/Ethical/Professional - Base decisions and actions on the legal, ethical, and professional guidelines and practices of the information technology field.
- Explore - Demonstrate the ability to search, analyze, and synthesize current information and solutions in the rapidly changing information technology profession.

First Semester		CA	AS
* ICS 101	Digital Tools for the Information World	3	3
* ITS 144	Computer Hardware Support	3	3
** English	Eng 100 or Eng 100E	3	3
** Math 103	Introduction to College Algebra or higher	3	3
Speech ††	Sp 151 (DA) or Sp 251 (DA)	3	3
	TOTAL	*15*	*15*

Second Semester		CA	AS
* ICS 111	Intro to Computer Science I	3	3
* ICS 200	Web Technology	3	3
* ITS 124	Introduction to Networking	3	3
* ITS 221	Introduction to Computer Security	3	3
Econ 130 ††	Principles of Microeconomics (DS)	3	3
	TOTAL	*15*	*15*

Third Semester		CA	AS
* ICS 141	Discrete Math for Computer Science I	-	3
* ICS 211	Intro to Computer Science II	-	3
* ITS 129	Introduction to Databases	-	3
Acc 201	Introduction to Financial Accounting	-	3
Econ 131	Principles of Macroeconomics	-	3
	TOTAL	-	*15*

Fourth Semester		CA	AS
* ICS 281	Ethical Hacking	-	3
* ICS 282	Computer Forensics	-	3
ITS 287	IT Internship Preparation	-	2
ITS 288	IT Program Internship	-	1
Electives ††	Diversifications - Natural Sciences (choose from DB, DP)	-	3
Electives	General Electives	-	3
	TOTAL	-	*15*
	TOTAL	**30**	**60**

Computer Support Certificate of Competence

First Semester		CO
* ICS 101	Digital Tools for the Information World	3
* ITS 144	Computer Hardware Support	3

Second Semester		CO
* ITS 124	Introduction to Networking	3
* ITS 221	Introduction to Computer Security	3
	TOTAL	**12**

Information Security and Assurance Certificate of Competence

First Semester		CO
* ICS 101	Digital Tools for the Information World	3
* ITS 144	Computer Hardware Support	3

Second Semester		CO
* ICS 111	Intro to Computer Science I	3
* ITS 124	Introduction to Networking	3
* ITS 221	Introduction to Computer Security	3

Third Semester		CO
* ITS 129	Introduction to Databases	3

Fourth Semester		CO
* ICS 281	Ethical Hacking	3
* ICS 282	Computer Forensics	3
	TOTAL	**24**

Software Developer Specialist Certificate of Competence

First Semester		CO
* ICS 101	Digital Tools for the Information World	3
** Math 103	Introduction to College Algebra or higher	3

Second Semester		CO
* ICS 111	Intro to Computer Science I	3
* ICS 200	Web Technology	3

Third Semester		CO
* ICS 141	Discrete Math for Computer Science I	3
* ICS 211	Intro to Computer Science II	3
* ITS 129	Introduction to Databases	3
	TOTAL	**21**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)

Liberal Arts (AA-LBRT)
Associate in Arts Degree

Faculty: T. Amana, V. Chin, T. Cravens-Howell (PAL), T. Dean (PAL), M. Hu, A. Kalauli, K. Kanahele, A. Kiyuna, K. Landgraf, D. Madrid, C. Naguwa, J. Nissam, T. Qolouvaki, P. Scheffler, M. Skinner, O. Steele, T. Tangarō, B. Watanabe, C. Wilcox-Boucher, L. Baldan-Jenkins, S. Clark, S. Dansereau, E. Flores (PAL), P. Kaio, R. Kalauli, D. Kapp, K. Kotecki, T. Loveday, C. Mospens, R. Namba (PAL), A. Oberg Garcia (PAL), D. Salvador, J. Sims, J. Smith, N. Tagab-Cruz, D. Tsugawa (PAL), D. Weeks

The Associate in Arts degree Program, also referred to as the Liberal Arts (LBRT) Program, is designed for students who are preparing themselves to transfer to a four-year college or university.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Communicate Effectively - Speak and write to communicate information and ideas in academic settings.
- Think Critically - Retrieve, read, and utilize information and synthesize, analyze, and evaluate that information to gain understanding and make informed decisions.
- Reason Quantitatively - Use quantitative, logical, and symbolic reasoning to address theoretical and real-world problems.
- Apply Areas of Knowledge - Utilize methods, perspectives, and content of selected disciplines in the natural sciences, social sciences, and humanities.
- Engage as Global Citizens - Demonstrate awareness of the relationship between self, community, and the environment, respecting cultural diversity and an understanding of ethical behavior.

To earn the Associate in Arts Degree in Liberal Arts (LBRT) from Hawai'i CC, a student must meet the following requirements:

1. Credits Required: A total of 60 credits earned at or transferred to Hawai'i CC in 100-200 level courses
2. A minimum of 12 credits must be completed at Hawai'i CC
3. Minimum GPA Required: A minimum cumulative GPA of 2.0 is required for graduation
4. CR/NC option may be used to satisfy area and general elective requirements (Policy Haw 5.503)

Foundations (12 credits)

Written Communication (FW) (3 credits):

- Eng 100 (Writing) or Eng 100E (Writing)

Quantitative Reasoning (FQ) (3 credits):

- ICS 141
- Math 100‡, 115, 120, 135, 140, 241, 242

Global & Multicultural Perspectives (FG) (6 credits) in 2 different groups:

- Group A - Prehistory to 1500: Hist 151, WGSS 175
- Group B - 1500 to Modern Times: Geo 102, Hist 152, WGSS 176
- Group C - Prehistory to Modern Times: (none at this time)

‡ Students who intend to transfer may require a course higher than Math 100

Hawai'i CC Required Courses (6 credits)

College Reading Skills:

- Eng 102 (Reading)

Communication Skills:

- Sp 151† or Sp 251†

Graduation Requirements

Writing Intensive:

- One WI course with a "C" or better grade

Hawaiian, Asian, and Pacific Issues:

- Three credits HAP (from Diversifications or Electives)

Diversifications (19 credits)

***Diversifications - Arts, Humanities, Literature*:** Six (6) credits required in 2 different areas:

Diversification - Arts (DA):

- Art 101, 105B, 105C, 108, 111, 113, 114, 115, 214, 217, 230
- Dnce 153, 185, 190V, 195
- Eng 204
- HwSt 103, 106, 130, 131, 206, 230, 231
- Sp 151†, 251†

Diversification - Humanities (DH):

- Asan 120, 121
- Hist 120, 153, 154
- Haw 101, 102, 201, 202
- Hum 100
- HwSt 100, 101, 102, 105, 107, 201
- Phil 100, 101
- Sp 260

Diversification - Literature (DL):

- Eng 255, 256, 257A, 257E
- HwSt 270

***Diversifications - Natural Sciences*:** Seven (7) credits: three (3) credits from Biological Sciences; and (3) credits from Physical Sciences; and one (1) credit any Natural Science Lab:

Diversification - Biological Sciences (DB):

- Biol 100, 101, 124, 156, 171, 172
- Bot 101
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):

- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101
- Phys 105

Diversification - Natural Science Lab (DY):

- Biol 100L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

***Diversifications - Social Sciences*:** Six (6) credits required in 2 different alphas:

Diversification - Social Sciences (DS):

- Anth 150, 200
- Bot 105
- ECEd 105, 110, 131
- Econ 130, 131
- Geo 122
- HDFS 230
- HSer 110
- Psy 100, 170, 275
- Soc 100
- SSci 111, 150
- WGSS 151

† Cross-listed courses (appearing in multiple areas or listed as different alphas) count only once for graduation requirements.

Electives (23 credits)

Other 100-level and above courses may be taken at Hawai'i CC or transferred in to Hawai'i CC as electives.

NOTE: Students may not use Independent/Directed Studies courses (marked 199 or 299) to meet area requirements unless prior permission is given by the advisor and the Vice Chancellor for Academic Affairs.

Additionally, courses numbered 99 or below are not applicable toward an Associate in Arts degree.

Writing Intensive Classes

A variety of classes are offered which are writing intensive (WI). These classes require students to do a significant amount of writing totaling a minimum of 4,000 words. Writing is emphasized as an essential tool for learning class material and a major element in determining a student's grade. In WI classes, an opportunity is provided for interaction between the instructor and student as a part of the writing process. WI classes have a minimum prerequisite of completion of Eng 100 or Eng 100E with a grade of "C" or better. Completion of one WI class with a grade of "C" or better is required for the AA-LBRT degree and the AA-HWST degree at Hawai'i CC. Students who are planning to transfer to a four-year college or university are

advised to check on that institution's WI requirements and are recommended to take two or three Writing Intensive classes at Hawai'i CC.

For more information about the Writing Intensive Program at Hawai'i CC, visit www.hawaii.hawaii.edu/writing-intensive

HAP Designated Classes

Effective Fall 2019, the **Hawaiian, Asian, and Pacific Issues (HAP)** is a graduation requirement for Associate in Arts (AA) degree majors. Returning students declaring a prior catalog year have the option to use the FHAP (formerly Asian/Pacific Culture) designated courses which were approved for their prior catalog year. (Policy HAW 5.702)

HAP is a University of Hawai'i system initiative designed to improve teaching and learning at UH regarding Native Hawaiian culture and issues from the Native Hawaiian viewpoint and how they intersect with Asian and Pacific Island cultures. In order to receive the HAP designation, at least 2/3 of a class must meet the following hallmarks:

1. The content should reflect the intersection of Asian and/or Pacific Island cultures with Native Hawaiian culture.
2. A class can use a disciplinary or multi-disciplinary approach provided that a component of the class uses assignments or practices that encourage learning that comes from the cultural perspectives, values, and world views rooted in the experience of peoples indigenous to Hawai'i, the Pacific, and Asia.
3. A class should include at least one topic that is crucial to an understanding of the histories; cultures; beliefs; the arts; or the societal, political, economic, or technological processes of these regions. For example, the relationships of societal structures to the natural environment.
4. A class should involve an in-depth analysis or understanding of the issues being studied in the hope of fostering multicultural respect and understanding.

For more information about HAP, and to see a current list of HAP designations at Hawai'i CC, visit www.hawaii.hawaii.edu/hap

Fulfillment of General Education Requirement

Effective Fall 1994, students who have earned an articulated Associate in Arts (A.A.) degree from any University of Hawai'i Community College shall be accepted as having fulfilled the general education core requirements at all other University of Hawai'i campuses. While an articulated A.A. degree satisfies general education core requirements, students must also complete all specialized lower-division, major, college and degree/graduation requirements. Additional campus-specific requirements, such as competency in a foreign language or writing-intensive courses, may also be required. With planning, most, if not all, of the requirements may be incorporated into the A.A. degree; if not, they are required in addition to the A.A. degree.

Liberal Arts/Associate in Arts with a Concentration in Administration of Justice (AA-LBRT-AJ)

This concentration provides students with a background in the scientific and experimental study of the Administration of Justice system. It focuses on the three major components of the AJ system in the United States, including the aspects of law enforcement; the state and federal judicial process; and local, state, and federal correctional systems. It also explores the historical and current economic, political, and societal issues of the AJ systems, and how they affect individuals, families, communities, and the greater society. It prepares students to transfer to a four-year institution that offers a degree in Administration of Justice, Criminal Justice, or related Social Sciences disciplines, and is a specific pathway for those who are interested in transferring to the University of Hawai'i at Hilo to pursue a degree in Administration of Justice.

Foundations (12 credits)

Written Communication (FW) (3 credits):

- Eng 100 (Writing) or Eng 100E (Writing)

Quantitative Reasoning (FQ) (3 credits):

- ICS 141
- Math 100‡, 115, 120, 135, 140, 241, 242

Global & Multicultural Perspectives (FG) (6 credits) in 2 different groups:

- Group A - Prehistory to 1500: Hist 151, WGSS 175
- Group B - 1500 to Modern Times: Geo 102, Hist 152, WGSS 176
- Group C - Prehistory to Modern Times: (none at this time)

‡ Students who intend to transfer may require a course higher than Math 100

Hawai'i CC Required Courses (6 credits)

College Reading Skills:

- Eng 102 (Reading)

Communication Skills:

- Sp 151† or Sp 251†

Graduation Requirements

Writing Intensive:

- One WI course with a "C" or better grade

Hawaiian, Asian, and Pacific Issues:

- Three credits HAP (from Diversifications or Electives)

Diversifications (19 credits)

***Diversifications - Arts, Humanities, Literature*:** Six (6) credits required in 2 different areas:

Diversification - Arts (DA):
- Art 101, 105B, 105C, 108, 111, 113, 114, 115, 214, 217, 230
- Dnce 153, 185, 190V, 195
- Eng 204
- HwSt 103, 106, 130, 131, 206, 230, 231
- Sp 151†, 251†

Diversification - Humanities (DH):
- Asan 120, 121
- Hist 120, 153, 154
- Haw 101, 102, 201, 202
- Hum 100
- HwSt 100, 101, 102, 105, 107, 201
- Phil 100, 101
- Sp 260

Diversification - Literature (DL):
- Eng 255, 256, 257A, 257E
- HwSt 270

***Diversifications - Natural Sciences*:** Seven (7) credits: three (3) credits from Biological Sciences; and (3) credits from Physical Sciences; and one (1) credit any Natural Science Lab:

Diversification - Biological Sciences (DB):
- Biol 100, 101, 124, 156, 171, 172
- Bot 101
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):
- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101
- Phys 105

Diversification - Natural Science Lab (DY):
- Biol 100L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

***Diversifications - Social Sciences*:** Six (6) credits required in 2 different alphas:

Diversification - Social Sciences (DS):
- Psy 100
- Soc 100

AJ Concentration Electives (23 credits)

- AJ 101, 103, 130† (see HSer/Subs 130), 131, 150, 180, 208† (see Soc 208), 210, 220, 221, 256† (see HSer/WGSS 256), 280, 285
- HSer 130† (see AJ/Subs 130), 256† (see AJ/WGSS 256)
- Soc 208† (see AJ 208)
- Subs 130† (see AJ/HSer 130), 132, 268
- WGSS 151, 256† (see AJ/HSer 256)

† Cross-listed courses (appearing in multiple areas or listed as different alphas) count only once for graduation requirements.

Liberal Arts/Associate in Arts with a Concentration in Art (AA-LBRT-ART)

This concentration provides students with a strong studio art experience and curriculum that integrates conceptual and technical artistic skills with personal and creative exploration. It prepares students to transfer to a four-year institution to further their studies in the various areas of studio art including ceramics, design, drawing, painting, photography, and sculpture, or to continue on their journey of becoming a professional artist. This concentration was also designed to be a specific pathway for those who are interested in transferring to the University of Hawai‘i at Hilo to pursue a degree in Art.

Foundations (12 credits)

Written Communication (FW) (3 credits):
- Eng 100 (Writing) or Eng 100E (Writing)

Quantitative Reasoning (FQ) (3 credits):
- ICS 141
- Math 100‡, 115, 120, 135, 140, 241, 242

Global & Multicultural Perspectives (FG) (6 credits) in 2 different groups:
- Group A - Prehistory to 1500: Hist 151, WGSS 175
- Group B - 1500 to Modern Times: Geo 102, Hist 152, WGSS 176
- Group C - Prehistory to Modern Times: (none at this time)

‡ Students who intend to transfer may require a course higher than Math 100

Hawai‘i CC Required Courses (6 credits)

College Reading Skills:
- Eng 102 (Reading)

Communication Skills:
- Sp 151 or Sp 251

Graduation Requirements

Writing Intensive:

- One WI course with a "C" or better grade

Hawaiian, Asian, and Pacific Issues:

- Three credits HAP (from Diversifications or Electives)

Diversifications (19 credits)

***Diversifications - Arts, Humanities, Literature*:** Six (6) credits required in 2 different areas (DA required):

Diversification - Arts (DA):

- Art 113 (Required)

Diversification - Humanities (DH):

- Asan 120, 121
- Hist 120, 153, 154
- Haw 101, 102, 201, 202
- Hum 100
- HwSt 100, 101, 102, 105, 107, 201
- Phil 100, 101
- Sp 260

Diversification - Literature (DL):

- Eng 255, 256, 257A, 257E
- HwSt 270

***Diversifications - Natural Sciences*:** Seven (7) credits: three (3) credits from Biological Sciences; and (3) credits from Physical Sciences; and one (1) credit any Natural Science Lab:

Diversification - Biological Sciences (DB):

- Biol 100, 101, 124, 156, 171, 172
- Bot 101
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):

- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101
- Phys 105

Diversification - Natural Science Lab (DY):

- Biol 100L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

***Diversifications - Social Sciences*:** Six (6) credits required in 2 different alphas:

Diversification - Social Sciences (DS):

- Anth 150, 200
- Bot 105
- ECEd 105, 110, 131
- Econ 130, 131
- Geo 122
- HDFS 230
- HSer 110
- Psy 100, 170, 275
- Soc 100
- SSci 111, 150
- WGSS 151

Art Concentration Electives (23 credits)

- Art 112*, 115*, 202*, 214*, 293* or 294*
- CM 120*
- Ent 125*

Choose any one course numbered 100 or above of 2 credits of General Electives

* A grade of "C" or better is required to earn a degree

Liberal Arts/Associate in Arts with a Concentration in History (AA-LBRT-HIST)

This concentration provides students with a strong History foundation. It prepares students to transfer to a four-year institution to major in History and is a specific pathway for those who are interested in transferring to the University of Hawai'i at Hilo to pursue a degree in History.

Foundations (12 credits)

Written Communication (FW) (3 credits):

- Eng 100 (Writing) or Eng 100E (Writing)

Quantitative Reasoning (FQ) (3 credits):

- ICS 141
- Math 100‡, 115, 120, 135, 140, 241, 242

Global & Multicultural Perspectives (FG) (6 credits) in 2 different groups:

- Group A - Prehistory to 1500: Hist 151*
- Group B - 1500 to Modern Times: Hist 152*
- Group C - Prehistory to Modern Times: (none at this time)

‡ Students who intend to transfer may require a course higher than Math 100

Hawai'i CC Required Courses (6 credits)

College Reading Skills:

- Eng 102 (Reading)

Communication Skills:

- Sp 151† or Sp 251†

Graduation Requirements

Writing Intensive:

- One WI course with a "C" or better grade

Hawaiian, Asian, and Pacific Issues:

- Three credits HAP (from Diversifications or Electives)

Diversifications (19 credits)

***Diversifications - Arts, Humanities, Literature*:** Six (6) credits required in 2 different areas:

Diversification - Arts (DA):

- Art 101, 105B, 105C, 108, 111, 113, 114, 115, 214, 217, 230
- Dnce 153, 185, 190V, 195
- Eng 204
- HwSt 103, 106, 130, 131, 206, 230, 231
- Sp 151†, 251†

Diversification - Humanities (DH):

- Asan 120, 121
- Hist 120†, 153†, 154†
- Haw 101, 102, 201, 202
- Hum 100
- HwSt 100, 101, 102, 105, 107, 201
- Phil 100, 101
- Sp 260

Diversification - Literature (DL):

- Eng 255, 256, 257A, 257E
- HwSt 270

***Diversifications - Natural Sciences*:** Seven (7) credits: three (3) credits from Biological Sciences; and (3) credits from Physical Sciences; and one (1) credit any Natural Science Lab:

Diversification - Biological Sciences (DB):

- Biol 100, 101, 124, 156, 171, 172
- Bot 101
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):

- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101
- Phys 105

Diversification - Natural Science Lab (DY):

- Biol 100L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

***Diversifications - Social Sciences*:** Six (6) credits required in 2 different alphas:

Diversification - Social Sciences (DS):

- Anth 150, 200
- Bot 105
- ECEd 105, 110, 131
- Econ 130, 131
- Geo 122
- HDFS 230
- HSer 110
- Psy 100, 170, 275
- Soc 100
- SSci 111, 150
- WGSS 151

History Concentration Electives (23 credits)

Required:

- ICS 101*

Choose five 3-credit courses from the following:

- Hist 120†, 153†, 154†, 241, 242, 274, 284, 288

Choose 5 credits of General Electives numbered 100 or above

- Recommended: Econ 131, Geo 102, HwSt 100

* UH Hilo requires that these courses be passed with a "C" or better grade

† Cross-listed courses (appearing in multiple areas or listed as different alphas) count only once for graduation requirements.

Liberal Arts/Associate in Arts with a Concentration in Psychology (AA-LBRT-PSY)

This concentration provides students with a strong Psychology foundation. It prepares students to transfer to a four-year institution to major in Psychology and is a specific pathway for those who are interested in transferring to the University of Hawai'i at Hilo to pursue a degree in Psychology.

Foundations (12 credits)

Written Communication (FW) (3 credits):
- Eng 100 (Writing) or Eng 100E (Writing)

Quantitative Reasoning (FQ) (3 credits):
- Math 115 or Math 135

Global & Multicultural Perspectives (FG) (6 credits) in 2 different groups:
- Group A - Prehistory to 1500: Hist 151, WGSS 175
- Group B - 1500 to Modern Times: Geo 102, Hist 152, WGSS 176
- Group C - Prehistory to Modern Times: (none at this time)

Hawai'i CC Required Courses (6 credits)

College Reading Skills:
- Eng 102 (Reading)

Communication Skills:
- Sp 151† or Sp 251†

Graduation Requirements

Writing Intensive:
- One WI course with a "C" or better grade

Hawaiian, Asian, and Pacific Issues:
- Three credits HAP (from Diversifications or Electives)

Diversifications (19 credits)

***Diversifications - Arts, Humanities, Literature*:** Six (6) credits required in 2 different areas:

Diversification - Arts (DA):
- Art 101, 105B, 105C, 108, 111, 113, 114, 115, 214, 217, 230
- Dnce 153, 185, 190V, 195
- Eng 204
- HwSt 103, 106, 130, 131, 206, 230, 231
- Sp 151†, 251†

Diversification - Humanities (DH):
- Asan 120, 121
- Hist 120, 153, 154
- Haw 101, 102, 201, 202
- Hum 100
- HwSt 100, 101, 102, 105, 107, 201
- Phil 100, 101
- Sp 260

Diversification - Literature (DL):
- Eng 255, 256, 257A, 257E
- HwSt 270

***Diversifications - Natural Sciences*:** Seven (7) credits: three (3) credits from Biological Sciences; and (3) credits from Physical Sciences; and one (1) credit any Natural Science Lab:

Diversification - Biological Sciences (DB):
- Biol 100, 101, 124, 156, 171, 172
- Bot 101
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):
- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101
- Phys 105

Diversification - Natural Science Lab (DY):
- Biol 100L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

***Diversifications - Social Sciences*:** Six (6) credits required in 2 different alphas:

Diversification - Social Sciences (DS):
- HDFS 230
- Psy 100*

Psychology Concentration Electives (23 credits)

- HSer 110*, 192*, 292*
- Psy 213, 214

Choose two 3-credit courses from the following:
- Psy 170, 251, 260, 270
- Soc 100

* A grade of "C" or better is required to earn a degree

† Cross-listed courses (appearing in multiple areas or listed as different alphas) count only once for graduation requirements.

Liberal Arts/Associate in Arts with a Concentration in Sociology (AA-LBRT-SOC)

This concentration provides students with a strong Sociology foundation. It prepares students to transfer to a four-year institution to major in Sociology and is a specific pathway for those who are interested in transferring to the University of Hawai'i at Hilo to pursue a degree in Sociology.

Foundations (12 credits)

Written Communication (FW) (3 credits):

- Eng 100 (Writing) or Eng 100E (Writing)

Quantitative Reasoning (FQ) (3 credits):

- Math 115 or Math 135

Global & Multicultural Perspectives (FG) (6 credits) in 2 different groups:

- Group A - Prehistory to 1500: Hist 151, WGSS 175†
- Group B - 1500 to Modern Times: Geo 102†, Hist 152, WGSS 176†
- Group C - Prehistory to Modern Times: (none at this time)

Hawai'i CC Required Courses (6 credits)

College Reading Skills:

- Eng 102 (Reading)

Communication Skills:

- Sp 151† or Sp 251†

Graduation Requirements

Writing Intensive:

- One WI course with a "C" or better grade

Hawaiian, Asian, and Pacific Issues:

- Three credits HAP (from Diversifications or Electives)

Diversifications (19 credits)

***Diversifications - Arts, Humanities, Literature*:** Six (6) credits required in 2 different areas:

Diversification - Arts (DA):

- Art 101, 105B, 105C, 108, 111, 113, 114, 115, 214, 217, 230
- Dnce 153, 185, 190V, 195
- Eng 204
- HwSt 103, 106, 130, 131, 206, 230, 231
- Sp 151†, 251†

Diversification - Humanities (DH):

- Asan 120, 121
- Hist 120, 153, 154
- Haw 101, 102, 201, 202
- Hum 100
- HwSt 100, 101, 102, 105, 107, 201
- Phil 100, 101
- Sp 260

Diversification - Literature (DL):

- Eng 255, 256, 257A, 257E
- HwSt 270

***Diversifications - Natural Sciences*:** Seven (7) credits: three (3) credits from Biological Sciences; and (3) credits from Physical Sciences; and one (1) credit any Natural Science Lab:

Diversification - Biological Sciences (DB):

- Biol 100, 101, 124, 156, 171, 172
- Bot 101
- Geo 170
- Micr 130
- Phyl 141
- Zool 101

Diversification - Physical Sciences (DP):

- Astr 110
- BioC 141
- Chem 100, 161
- Erth 101
- Geo 101
- Phys 105

Diversification - Natural Science Lab (DY):

- Biol 100L, 124L, 156L, 171L, 172L
- Bot 101L, 105L
- Chem 100L, 161L
- Erth 101L
- Micr 140L
- Phyl 141L, 142L
- Zool 101L

***Diversifications - Social Sciences*:** Six (6) credits required in 2 different alphas:

Diversification - Social Sciences (DS):

- Psy 100
- Soc 100*

Sociology Concentration Electives (23 credits)

- HSer 110*, 192*, 292*
- Psy 213
- Soc 200

Choose three 3-credit courses from the following:

- Anth 200
- Geo 102†
- PacS 108
- PolS 110
- Soc 208, 218, 251, 265, 289, 290
- WGSS 151, 175†, 176†, 256

* A grade of "C" or better is required to earn a degree

† Cross-listed courses (appearing in multiple areas or listed as different alphas) count only once for graduation requirements.

Machine, Welding and Industrial Mechanics Technologies (MWIM)

Faculty: D. Miyashiro

This program prepares the student for employment in the metalworking and mechanical/maintenance trades. Employment may be in construction, food processing, manufacturing, utilities, astronomical observatories, or related industries. The job requires good physical health, above average eye/hand coordination, mechanical reasoning, and good form perception and spatial relationship. Job responsibilities may include fabricating, repairing, or maintaining metal products on equipment, buildings, and systems.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Demonstrate the attributes of a good employee including good safety practices; good communication skills; positive work ethics; working collaboratively or independently under supervision; being a life-long learner; demonstrating an awareness of hazardous materials; and taking responsibility for the orderliness and cleanliness of the workplace.
- Demonstrate and be able to apply the proper set-up and use of basic machine tools and equipment; metalworking equipment; common welding and cutting processes; industrial mechanics equipment; material handling equipment and related machinery; and entry-level ability to interpret blueprints.
- Demonstrate and be able to apply mechanical reasoning, form perception and spatial relations, and numerical reasoning skills as a part of the basic entry-level skills and knowledge necessary to gain employment in the Machining, Welding, Industrial Mechanics or related fields.

First Semester			CO	CA	AAS
*	MWIM 142	Intro to Machine and Welding	8	8	8
*	MWIM 145	Intro to Arc Welding	4	4	4
**	English	Eng 100 or Eng 100E or Eng 102 or Eng 106	-	-	3
**	QM 120T	Quantitative Methods for Trans Tech (or Math 100 or higher (not Math 120))	-	-	3
		TOTAL	*12*	*12*	*18*

Second Semester			CO	CA	AAS
*	MWIM 155	Interm Welding & Qual Procedures	4	4	4
*	MWIM 152	Sheet Metal Machining	-	8	8
	Blpr 50	Blpr for Welding & Machine Trades	-	4	4
		TOTAL	*4*	*16*	*16*

Third Semester			CO	CA	AAS
*	MWIM 162	Lathe Facing and Knurling	-	4	4
*	MWIM 165	Advanced Welding	-	8	8
	Elective ††	Cultural, Natural, Social Env.	-	-	6
		TOTAL	-	*12*	*18*

Fourth Semester			CO	CA	AAS
*	MWIM 172	Intro to CNC Milling	-	4	4
*	MWIM 175	Special Process Welding & Rigging	-	8	8
	Elective ††	Cultural, Natural, Social Env.	-	-	3
		TOTAL	-	*12*	*15*
		TOTAL	**16**	**52**	**67**

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Marine Option Program Academic Subject Certificate (ASC-LBRT-MOP)

Faculty: J. Sims

The Marine Option Program (MOP) is designed to assist students interested in relating the ocean to their educational and career aspirations. Through MOP, students can obtain a marine orientation to their own degree while earning an Academic Subject Certificate. MOP emphasizes experiential cross-disciplinary education and provides opportunities to apply traditional course work to the real world while students obtain practical marine skills through a hands-on internship, research or employment. MOP sponsors numerous field trips, a newsletter, and many opportunities for networking with other interested students and professionals.

Requirements

1. **Credits Required:** A minimum of 12 credits is required to receive the ASC-LBRT-MOP.
2. Earn a "C" or better in each course.

Core Requirements (6 credits)

- Ocn 101, 193, 201

Electives (6 credits)

- Bot 105, 130, 130L
- Biol 124, 124L, 156, 156L, 171, 171L, 172, 172L, 265, 265L
- Geo 122
- HwSt 150, 151
- Ocn 201L
- Zool 101, 101L

Marketing (MKT)

Faculty: D. Kawaʻauhau

This program is designed to directly align students with one of three potential paths upon graduation. Paths include freelance positions in digital design, marketing, or advertising; industry employment; and transfer to a four year institution. With courses focused on graphic arts, branding, economics, management, marketing, international relations, and a working employment portfolio created and available upon program completion, graduates will be able to apply concepts and strategies directly to the benefit and/or advancement of their professional and/or academic careers.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Develop responsive marketing campaigns that adapt to both foreign and domestic markets.
- Demonstrate an in-depth understanding of the marketing and management environment of Hawaiʻi and offer innovative ideas to develop and sustain said environment.
- Develop current technological skills and be able to utilize said skills in a simulated business environment.
- Communicate an in-depth understanding of the diverse needs of the international market through the creation of culturally responsive management plans.
- Demonstrate the ability to effectively communicate with a global audience.
- Design an active portfolio that demonstrates an in-depth understanding of the principles of advertising up to and including the proper use of color, graphic design, and digital audio production.
- Develop solutions that demonstrate the successful navigation of the current financial and legal business environment.

First Semester			CA	AAS
*	Mkt 120	Principles of Marketing	3	3
*	Mgt 124	Human Resource Management	3	3
*	Art 112 ††	Introduction to Digital Arts	3	3
**	Math	Math 103, Math 115, Math 135, Math 140, or Math 241	3	3
	ICS 101	Digital Tools for the Information World	-	3
		TOTAL	*12*	*15*

Second Semester			CA	AAS
*	Art 115	Introduction to 2D Design	3	3
*	BLaw 200	Legal Environment of Business	3	3
*	Econ 130 ††	Principles of Microeconomics	3	3
*	HwSt 201	ʻAi Noa: Hawaiʻi Culture II	3	3
	English	Eng 100 or Eng 100E	-	3
		TOTAL	*12*	*15*

Third Semester			CA	AAS
*	CM 120	Intro to Digital Video	3	3
*	Econ 131	Principles of Macroeconomics	3	3
*	HwSt 101	ʻAikapu: Hawaiʻi Culture I	3	3
	Acc 201	Introduction to Financial Accounting	-	3
**	Speech	Sp 130 or Sp 151	-	3
		TOTAL	*9*	*15*

Fourth Semester			CA	AAS
*	Mkt 233	International & Tech Brand Integration	3	3
*	Mgt 234	Cross-Cultural Management	3	3
	Acc 202	Introduction to Managerial Accounting	-	3
*	Bus 120	Principles of Business	-	3
	Elective ††	Natural Environment	-	3
		TOTAL	*6*	*15*
		TOTAL	**39**	**60**

A cumulative 2.0 GPA in the Major Course Requirements category must be earned for graduation. In addition, an overall cumulative 2.0 GPA is required for graduation.

* A grade of "C" or better is required to earn a certificate and/or degree
** Meets competency requirement in mathematics or communications
†† Earn 9 credits total; 3 credits are required in each of the three areas: Cultural Environment, Natural Environment, Social Environment

Natural Science (NSCI)

Faculty: R. Namba (PAL) D. Weeks

This Associate in Science Degree program prepares students to transfer to 4-year institutions in STEM (Science, Technology, Engineering and Mathematics) related fields. Hawaiʻi Community College offers two NSCI tracks: Biological Sciences and Physical Sciences.

For more information, contact Ruria Namba by e-mail (namba8@hawaii.edu).

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Analyze data effectively using current 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 concentration.

Biological Sciences (NSCI-BSC)

First Semester		**AS**
Biol 171 ††	Introduction to Biology I (DB)	3
Biol 171L †	Introduction to Biology I Lab (DY)	1
Chem 161	General Chemistry I	3
Chem 161L †	General Chemistry I Lab	1
English	Eng 100 or Eng 100E	3
Eng 102	College Reading Skills	3
	TOTAL	*14*

Second Semester		**AS**
Biol 172	Introduction to Biology II	3
Biol 172L †	Introduction to Biology II Lab	1
Chem 162	General Chemistry II	3
Chem 162L †	General Chemistry II Lab	1
Science †	BSC Electives (see below)	4
Electives	Foundations - Global and Multicultural Perspectives (FG)	3
	TOTAL	*15*

Third Semester		**AS**
Biology	Biol 265 or Biol 275	3
Biol Lab †	Biol 265L or Biol 275L	1
Math 241	Calculus I	4
Physics	Phys 151 or Phys 170	3-4
Phys Lab †	Phys 151L or Phys 170L	1
Electives	Foundations - Global and Multicultural Perspectives (FG)	3
	TOTAL	*15-16*

Fourth Semester		**AS**
Science †	BSC Electives (see below) (the 4th credit is required if total credits are less than 60)	3-4
Electives ††	Diversifications - Arts, Humanities, Literature (choose from DA, DH, DL)	3
Electives ††	Diversifications - Social Sciences (DS)	3
Electives †††	General Electives	6
	TOTAL	*15-16*
	TOTAL	**60-61**

BSC Science Electives:

- Ag 175, 175L
- Astr 110, 281
- BioC 141
- Biol 100, 100L, 124, 124L, 156, 156L, 265, 265L, 275, 275L
- Bot 101, 101L, 105, 105L, 130, 130L
- Erth 101, 101L
- Geo 101, 101L, 170, 170L, 270, 270L, 292V
- Micr 130, 140L
- Ocn 201
- Phyl 141, 141L, 142, 142L
- Phys 100, 100L, 105
- Sci 190V, 292V
- Zool 101, 101L

Additional Requirements

- Two Writing Intensive (WI) courses with a "C" or better grade.
- Once Hawaiian-Asian-Pacific Cultures (HAP) course

† All labs should be taken in-person.
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)
††† All elective courses must be numbered 100 or above.

Physical Sciences (NSCI-PSC)

First Semester		**AS**
Chem 161	General Chemistry I	3
Chem 161L †	General Chemistry I Lab	1
Eng 102	College Reading Skills	3
Math 241	Calculus I	4
Science	PSC Electives (see below)	3
Sci Lab †	PSC Lab Electives (see below)	1
	TOTAL	*15*

Second Semester		**AS**
Chem 162	General Chemistry II	3
Chem 162L †	General Chemistry II Lab	1
English	Eng 100 or Eng 100E	3
Math 242	Calculus II	4
Electives	Foundations - Global and Multicultural Perspectives (FG)	3
	TOTAL	*14*

Third Semester		**AS**
Phys 170	General Physics I	4
Phys 170L †	General Physics I Lab	1
Science	PSC Electives (see below)	3
Sci Lab †	PSC Lab Electives (see below)	1
Electives ††	Diversifications - Biological Sciences (DB)	3
Electives ††	Diversifications - Social Sciences (DS)	3
	TOTAL	*15*

Fourth Semester		**AS**
Phys 272	General Physics II	3
Phys 272L †	General Physics II Lab	1
Electives ††	Diversifications - Arts, Humanities, Literature (choose from DA, DH, DL)	3
Electives	Foundations - Global and Multicultural Perspectives (FG)	3
Electives †††	General Electives	6
	TOTAL	*16*
	TOTAL	**60**

PSC Science Electives:

- Ag 175, 175L
- Astr 110, 281
- BioC 141
- Biol 100, 100L, 101, 101L, 124, 124L, 156, 156L, 171, 171L, 172, 172L, 265, 265L, 275, 275L

(continued on next page)

- Bot 101, 101L, 105, 105L, 130, 130L
- Erth 101, 101L
- Geo 101, 101L, 170, 170L, 270, 270L, 292V
- Micr 130, 140L
- Ocn 201
- Phyl 141, 141L, 142, 142L
- Phys 105
- Sci 190V, 292V
- Zool 101, 101L

Additional Requirements

- Two Writing Intensive (WI) courses with a "C" or better grade.
- Once Hawaiian-Asian-Pacific Cultures (HAP) course

† All labs should be taken in-person.
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)
††† All elective courses must be numbered 100 or above.

Nursing and Allied Health Programs

Faculty: A. Cremer, C. Hernandez, P. Pieron, L. Yamanaka, T. Garden, L. Miguel, R. Sipp

Hawai'i Community College Nursing and Allied Health currently offers two pathways into the Nursing profession. Students may apply for either the Certificate of Achievement in Practical Nursing (CA-PRCN) program or the Associate in Science Degree in Nursing (AS-NURS) program. Both programs admit a new student cohort each Fall. The AS program has a Hilo and Kona location option.

Nursing Admissions Information: The application cycle opens ***November 1st*** and closes on ***January 15th at 11:59 p.m.***

Steps to apply to the Nursing Program: See website for full details and current information
www.hawaii.hawaii.edu/nursing

Admission Cycle: Fall Semester for AS and PRCN programs) and Summer Semester (for LPN and AS-NURS Pathway program)

Residents: Priority for admission to the Nursing program is given to qualified State of Hawai'i residents over qualified non-residents (i.e., military exempt and WUE exempt students). See UH Board of Regents Policy 5.211 found at:
www.hawaii.edu/policy/index.php?action=viewPolicy&policySection=rp&policyChapter=5&policyNumber=211

Available Seats:

- AS Nursing Program: 20 Manono/Hilo Campus, 10 Pālamanui/Kona Campus
- Practical Nursing (PRCN) Program: This program is offered in Hilo only, and is contingent upon the availability of budget and staff resources. Up to 10 students may be admitted when the program is offered.
- LPN to AS-NURS Pathway Program: This program is offered in Hilo only, and is contingent upon the availability of budget and staff resources. Up to 10 students may be admitted when the program is offered.

Admission Requirements for AS-NURS, LPN to AS-NURS pathway, and PRCN Programs

1. Applicants are selected for admission to the AS-NURS, LPN to AS-NURS pathway, and PRCN Programs using a point system based on grades earned in the prerequisite courses; Test of Essential Academic Skills (TEAS) exam scores; and documentation of previously earned degrees, military veteran status, and/or relevant professional health care experience. Refer to the Nursing Programs Admissions Criteria Point Allocation Worksheet found at
www.hawaii.hawaii.edu/nursing/apply
2. Complete all prerequisite requirements with a grade of "C" or better (C- is not accepted) by the end of the Spring semester prior to program entry, and earn a minimum cumulative GPA of 2.0 by the end of the Spring semester prior to program entry. All courses for the degree must be taken for a letter grade.
3. Complete the Test of Essential Academic Skills (TEAS) exam and earn a composite, individual adjusted score at the Proficient level (minimum score of 58.7%) or higher.
4. Additional Requirements for the LPN to AS-NURS pathway: Possession of a current Hawai'i Practical Nurse License, and a minimum of 1 year experience working as an LPN.

Application Procedures

1. Students not currently enrolled at Hawai'i CC or another University of Hawai'i (UH) system campus must fill out a UH Common Application Form indicating their desire to enroll in the College the next Fall semester. Students who have not been admitted to Hawai'i CC will not be considered for acceptance into the Nursing programs.
2. Submit the Intent to Apply to Nursing Program Form and other required Nursing admissions documents as listed on the Application Checklist by *January 15* (or the next business day, if January 15 falls on the weekend or a holiday). The Intent to Apply form and Application Checklist can be found online at www.hawaii.hawaii.edu/nursing/apply
3. Applicants will receive an e-mail acknowledgement that their Intent to Apply form has been received. Intent to

Apply forms and other required documents not received by the Nursing Office or postmarked by *January 15* will be considered late and will not be accepted.

4. All courses intended to be used to meet proficiency requirements and prerequisite courses must be approved by Hawai'i Community College. Hawai'i CC and other University of Hawai'i system students should refer to their Academic Pathway via their STAR account to determine whether they have met the proficiency and/or prerequisite requirements.
5. Submit a copy of the STAR Transcript with the Intent to Apply to Nursing Program form.
6. UH System Transfer students are those who were previously enrolled at a college or university other than Hawai'i CC within the UH system. Hawai'i CC and students currently attending another UH system institution do not need to submit an official transcript from that UH system school. UH System Transfer students will submit a copy of their STAR Transcript.
7. Transfer students outside the UH System are those who have ever attended a college or university outside the UH system. These students must arrange to have an official transcript, printed in English, be sent to the Admissions and Records Office (ARO) directly from all non-UH system institutions by the *January 15* deadline. For all institutions outside of the UH System, students must keep in their possession a course catalog or course description for all courses. Do not send the catalog and/or course descriptions to the ARO. Additionally, applicants should include a student copy of non-UH system institutional transcripts, with the prerequisite courses highlighted, as part of their completed Nursing application.
8. Test of Essential Academic Skills (TEAS). Pre-registration for the TEAS is required. Information regarding registration, cost, and testing dates and times for the TEAS is available on the nursing website at
   www.hawaii.hawaii.edu/nursing/TEAS
   Applicants must submit a printed copy of one set of TEAS scores as part of a completed application. Only the latest version, ATI TEAS, scores will be accepted. Applicants must earn an individual adjusted score at the Proficient (58.7%) or higher level in order to apply.
9. A Nursing Programs Admission Criteria Point Allocation Worksheet must be submitted with the application materials. The worksheet can be found online at
   www.hawaii.hawaii.edu/nursing/apply
   If applicable, submit requested documentation for criteria #3 as listed on the worksheet.
10. For assistance, contact a Nursing counselor/advisor in: Hilo at (808) 934-2658, or Pālamanui at (808) 969-8816. Or, contact the Nursing and Allied Health Division office at (808) 934-2650.

Program Requirements

- Essential Technical Standards: To be qualified for Hawai'i Community College Nursing programs, individuals must be able to meet essential technical standards and functional abilities, with or without reasonable accommodations. Individuals interested in applying for admission to the programs should review the essential technical standards to develop a thorough understanding of the skills, abilities, and behavioral characteristics required to successfully progress in, and graduate from the programs. For further information regarding services and resources to students with disabilities and/or to request accommodations please contact Disability Services at (808) 934-2825 [v/t] or e-mail: hawccds@hawaii.edu
- Physical Examination Requirements: A physical examination completed by a Healthcare Provider of the student's choice is required upon entering the Nursing program. This is to assure that a student is in good physical and mental health and meets the functional abilities necessary to meet the program outcomes. Mandatory immunizations and/or vaccinations are also required for clinical components per the affiliated healthcare facilities used for clinical practice.
- Criminal Background Check and Drug Screening: Students accepted for admission to the Nursing programs will be required to complete a criminal background check and drug screen in accordance with procedures and timelines as directed by the affiliated healthcare facilities used for clinical practice. This is done at the student's expense. If a clinical facility does not give permission for a Hawai'i CC student to participate in clinical practice at their facility, the Nursing student will not be able to fulfill the requirements of the program and will be required to withdraw from the program.

Nursing, Associate in Science Degree in Nursing (NURS)

The Associate in Science Degree in Nursing program provides students with a scientific foundation for entry level clinical practice as a Registered Nurse (RN) in hospitals, long-term care facilities, and community based settings. Upon completion of the program, graduates are eligible to take the National Council Licensure Exam for Registered Nursing (NCLEX-RN). RN's provide and coordinate patient care, educate patients and the public about various health conditions, and provide advice and emotional support to patients and their family members.

The Associate in Science Degree in Nursing program has two pathways:

Generic pathway (AS-NURS): 27 credits of non-nursing prerequisite and general education courses and four semesters of coursework in nursing (46 credits) for a total of 73 credits.

LPN to AS-NURS pathway: (1) Possession of a current HI Practical Nurse License; (2) Minimum1 year experience work-

ing as LPN; and (3) Completion of all non-nursing prerequisite and general education courses for the AS-NURS program. Includes 27 credits of non-nursing prerequisite and general education courses, credit given for advanced placement (21) and one summer session and two semesters of coursework in nursing (25 credits) for a total of 73 credits.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Implement critical thinking effectively when applying the nursing process in providing compassionate and coordinated care to individuals and their support systems.
- Integrate knowledge gained from biological, social, and nursing sciences with clinical practice in meeting the complex needs of diverse individuals in multiple settings.
- Create an environment that promotes caring and professionalism with consideration for cultural/societal beliefs and practices.
- Utilize information and technology to communicate, manage knowledge, mitigate error, and support decision-making.
- Use data to assess outcomes of care processes and determine ways to improve the delivery of quality care.
- Practice safely and ethically within the scope of practice while providing nursing care and working with the health care team.
- Demonstrate effective communication and collaborative dialogue within nursing and the interprofessional team to achieve quality patient care.

Entry Requirements

The nursing and support courses for the Associate in Science Degree are:

Year 1

		AS
English	Eng 100 or Eng 100E	3
HDFS 230	Human Development	3
Math 100	Survey of Mathematics or higher (not Math 120)	3
Micr 130 ††	General Microbiology (DB)	3
Micr 140L	General Microbiology Lab	1
Phyl 141	Human Anatomy and Physiology I	3
Phyl 141L	Human Anatomy and Physiology I Lab	1
Phyl 142	Human Anatomy and Physiology II	3
Phyl 142L	Human Anatomy and Physiology II Lab	1
Elective† ††	Diversification - Arts (DA), Humanities (DH), Literature (DL) (recommended: HwSt 100, 102, or 107)	3
Elective† ††	Diversification - Social Sciences (DS) (choose one: Psy 100, Anth 200, Soc 100)	3
	TOTAL	*27*

† May be taken either prior to admission or during the Nursing program.
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)

Generic pathway (AS-NURS)

Year 2

Fall Semester		**AS**
Nurs 153	Nursing Concepts and Skills	8
Nurs 203	General Pharmacology	3
	TOTAL	*11*
Spring Semester		**AS**
Nurs 151	Psychiatric-Mental Health Nursing	4
Nurs 157	Adult Health Nursing I	8
	TOTAL	*12*

Year 3

Fall Semester		**AS**
Nurs 254	Family Health I-Maternal/Newborn Nursing	5
Nurs 255	Family Health II-Pediatric/Adult Hlth Nurs II	7
	TOTAL	*12*
Spring Semester		**AS**
Nurs 257	Advanced Adult Health Nursing III	8
Nurs 260	Leadership/Community Health	3
	TOTAL	*11*
	TOTAL	**73**

LPN to AS-NURS pathway

	Completion of nursing and support courses (see Year 1 list)	27
	TOTAL	*27*
	Credit given for advanced placement • Possession of a current HI Practical Nurse License • Minimum1 year experience working as LPN	21
	TOTAL	*21*
Summer Session		**AS**
Nurs 250	LPN to RN Transition	3
	TOTAL	*3*
Fall Semester		**AS**
Nurs 151	Psychiatric-Mental Health Nursing	4
Nurs 255	Family Health II-Pediatrics/Adult Hlth Nurs II	7
	TOTAL	*11*
Spring Semester		**AS**
Nurs 257	Advanced Adult Health Nursing III	8
Nurs 260	Leadership/Community Health	3
	TOTAL	*11*
	TOTAL	**73**

All courses required for the degree must be taken for a letter grade. A grade of "C" or better is considered passing for all nursing and support courses. A cumulative grade point average of 2.0 or better must be maintained to remain in the Nursing program.

The Associate in Science Degree program is approved by the Hawai'i Board of Nursing and accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN); formerly

NLNAC. The ACEN may be contacted at www.acenursing.org or (404) 975-5000, or by writing to 3343 Peachtree Rd, NE, Suite 850, Atlanta, Georgia 30326. Transfer agreements exist with the University of Hawai'i at Hilo, University of Hawai'i at Mānoa, and Grand Canyon University baccalaureate nursing programs allowing interested and qualified associate degree graduates to pursue a Bachelor of Science in Nursing at one of those institutions.

Nursing, Practical (PRCN)

The Certificate of Achievement in Practical Nursing program prepares students for entry-level practice as a Licensed Practical Nurse (LPN) in a variety of healthcare settings. Upon completion of the program, graduates are eligible to take the National Council Licensure Exam for Practical Nursing (NCLEX-PN). LPN's provide care within their scope of practice under the supervision of a health care provider or Registered Nurse.

The Certificate of Achievement in Practical Nursing program requires 2 semesters and a summer session of coursework in practical nursing (29 credits) and 17 credits of non-nursing prerequisite courses for a total of 46 credits.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Retrieve, integrate, and apply relevant and reliable information, concepts from multiple disciplines, and standards of nursing as the basis for evidenced based nursing care.
- Use the nursing process as a framework for critical thinking to assess, plan, prioritize, implement, and evaluate safe and effective nursing care for those who have predictable nursing needs.
- Demonstrate compassion and caring by developing and maintaining therapeutic relationships based upon mutuality and respect for the health and healing practices, beliefs, and values of the individual and community.
- Communicate and function as a member of a multi-disciplinary health care team.
- Demonstrate the ability to plan and deliver effective health teaching as an integral part of promotion, maintenance, and restoration of health, management of chronic conditions, and end of life care in structural settings.
- Demonstrate professional behaviors and practice within the legal and ethical framework of licensed practical nursing.

Entry Requirements

The prerequisite courses for the Certificate of Achievement in Practical Nursing are:

Prerequisite Courses		**CA**
English	Eng 100 or Eng 100E	3
HDFS 230	Human Development	3
Math 100	Survey of Mathematics or higher (not Math 120)	3
Phyl 141	Human Anatomy and Physiology I	3
Phyl 141L	Human Anatomy and Physiology I Lab	1
Phyl 142	Human Anatomy and Physiology II	3
Phyl 142L	Human Anatomy and Physiology II Lab	1
	TOTAL	*17*
Fall Semester		**CA**
Nurs 120	Practical Nursing I	9
Nurs 203	General Pharmacology	3
	TOTAL	*12*
Spring Semester		**CA**
Nurs 122	Practical Nursing II	11
	TOTAL	*11*
Summer		**CA**
Nurs 126	Child Health	3
Nurs 128	Maternity Nursing	3
	TOTAL	*6*
	TOTAL	**46**

All required courses must be taken for a letter grade. A grade of "C" or better is considered passing in the nursing and support courses. Students must maintain a cumulative grade point average of 2.0 or better to remain in the Nursing program.

Nurses' Aide

This course is currently not offered through Hawai'i Community College's Nursing Program.

Substance Abuse Counseling (SUBS)

A 20-credit Certificate of Competence in Substance Abuse Counseling is offered for students interested in a career in substance abuse counseling. Credit and non-credit courses are offered for in-service substance abuse, human service, and criminal justice professionals seeking to develop and/or upgrade their skills in working with individuals and families who suffer as a result of chemical abuse or dependency. Students who successfully complete these courses are eligible to receive additional studies and/or fieldwork hours that can apply towards obtaining a State Substance Abuse Counseling Certificate as required by the State of Hawai'i Department of Health Alcohol and Drug Abuse Division (ADAD), the National Alcoholism and Drug Abuse Counselor Credentialing Board, and the International

Certification and Reciprocity Consortium. Students completing the CC in Substance Abuse Counseling along with an associate's degree are eligible to receive 2,000 hours toward the ADAD Substance Abuse Certification.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Satisfy the addiction studies educational requirements for Hawaii State Department of Health Alcohol and Drug Abuse Division's (ADAD) Certified Substance Abuse Counselor (CSAC) and/or Certified Drug Prevention Specialist (CDPS).
- Identify and articulate medical, social, and/or psychological aspects of addiction.
- Apply the Twelve Core Functions of the Alcohol and Drug Abuse Counselor, and practice within the legal and ethical parameters of the substance abuse counseling profession.
- Perform basic individual or group counseling and interviewing/facilitation skills, and reflect on personal values and issues that may enhance or interfere with effectiveness as a counselor.
- Develop career plans for entry-level positions in substance abuse, criminal justice, and human services organizations that service substance abusing populations, or transfer to a 4-year college to continue education in SUBS related fields.

Entry Requirements

- Proficiency levels in reading, writing and/or mathematics are required to register for some or all of the Program courses:

Subject Area	Minimum placement into course
Reading	Eng 102
Writing	Eng 100 or Eng 100E

Substance Abuse Counseling Certificate of Competence

First Semester		CO
Subs 130	Introduction to Youth Practitioner (optional)	(3)
Subs 131	Ethics in Public Services	1
Subs 140	Individual Substance Abuse Counseling	3
Subs 268	Survey of Substance Use Disorders	3
Subs 294	Seminar and Fieldwork I	3
	TOTAL	*10*
Second Semester		
Subs 132	STDs and Confidentiality	1
Subs 245	Group Counseling	3
Subs 270	12 Core Functions of Subs Abuse Counseling	3
Subs 295	Seminar & Fieldwork II	3
	TOTAL	*10*
	TOTAL	**20**

Prevention Specialist Certificate of Competence

First Semester		CO
Subs 130	Introduction to Youth Practitioner	3
Subs 131	Ethics in Public Services	1
Subs 268	Survey of Substance Use Disorders	3
	TOTAL	**7**

Credits in ( ) are optional

Sustainability Academic Subject Certificate (ASC-LBRT-SUSI)

Faculty: D. Kapp

The Sustainability Academic Subject Certificate supports efforts to improve environmental stewardship and sustainability. It is interdisciplinary and integrates sustainability themes and practices across the Hawai'i Community College curriculum, drawing from Hawaiian Studies, Natural Science, Social Science and other disciplines.

Requirements

1. **Credits Required:** A total of 12 credits of SF (sustainability focused) designated classes is required to receive the ASC-LBRT-SUSI.
2. Earn a "C" or better in each course.
3. Designated classes must be from the following areas:
   - A minimum of 3 credits Hawaiian Studies
   - A minimum of 3 credits Natural Science
   - A minimum of 3 credits Social Science
   - Remaining credits from any other S-designated class.
4. Up to 6 credits of SF (sustainability focused) designated classes may be taken from other UH campuses, provided the credits fit into the areas listed above. SR (sustainability related) designated classes from other UH institutions may be accepted towards the certificate after review by the Academic Sustainability Committee Chair.

Sustainability and S-designated Classes

Hawai'i CC offers a designation of "SF" for courses and classes which expose students to sustainability across a variety of academic disciplines. These are designed to meet the UH system-wide goals to develop and strengthen ecological literacy in students and address local and global environmental challenges. S-designated courses and classes allow students from all majors and programs to deepen their knowledge of core concepts of sustainability utilizing a cross-disciplinary approach. The designation can steer students towards classes that address issues of sustainability and encourage students to learn about social justice, cultural, economic, political, scientific, green building, and artistic approaches to sustainability, recognizing the valuable contributions from each academic discipline.

The S-designation of a course indicates that sustainability is a major theme, and S-designation of a class (a particular section of a course) indicates that the instructor has chosen to integrate

sustainability themes into the class content and promotes active student engagement with global and local environmental issues.

For more information about Sustainability at Hawai'i CC, and for a list of currently designated courses and classes, visit www.hawaii.hawaii.edu/sustainability

Tropical Forest Ecosystem and Agroforestry Management (TEAM)

Faculty: P. Scheffler O. Steele

Students learn to actively manage Hawai'i's native forest ecosystems, grow native plants, establish agroforestry operations, use Global Positioning Systems (GPS), and Geographic Information Systems (GIS). Internships give students on-the-job training with potential employers.

For more information call (808) 934-2623, or check the website at www.hawaii.hawaii.edu/forestteam

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Apply basic ecosystem concepts to natural resource management.
- Use an understanding of general scientific concepts in design of forestry systems.
- Use knowledge of applicable laws and regulations to make decisions about managing ecosystems.
- Apply effective interpersonal and communication skills.
- Recognize, collect, and interpret field data.
- Apply effective management practices to commercial or conservation efforts.

First Semester		CA	AS
Ag 175	Agroforestry	3	3
Ag 175L	Agroforestry Lab	1	1
Computer Literacy			
	Busn 150 or ICS 101	3	3
EngT 107	Unmanned Aerial Systems Flight	4	4
** Math	Math 103, 115, 135, 140, or 241	3	3
	TOTAL	*14*	*14*

Second Semester		CA	AS
Biol 156 ††	Natural History of the Hawn Islands (DB)	3	3
Biol 156L	Natural History of Hawaiian Islands Lab	1	1
Chemistry	Chem 100 or higher	3	3
** English	Eng 100 or Eng 100E	3	3
Geo 170	Forest Ecosystem Surveying, Inventorying, and Monitoring	3	3
Geo 170L	Forest Ecosystem Surveying, Inventorying, and Monitoring Lab	1	1
Bot 105 ††	Ethnobotany (DS)	3	3
	TOTAL	*17*	*17*

Third Semester		CA	AS
Ag 190V†	Internship	-	2
Biol 124	Environment and Ecology	-	3
Biol 124L	Environment and Ecology Lab	-	1
Business	Ag 130 or Ag 230 or Ent 125	-	3
Geographic Information Systems			
	EngT 270 or Geo 270	-	4
Science	Biol 101 or Biol 171 or Bot 101 or Zool 101	-	3
Science Lab	Biol 101L or Biol 171L or Bot 101L or Zool 101L	-	1
	TOTAL	-	*17*

Fourth Semester		CA	AS
Ag 192†	Selected Topics Forest Ecosystem Mgmt	-	1
Ag 245	Tropical Silviculture and Forest Plant Propagation	-	3
Ag 245L	Tropical Silviculture and Forest Plant Propagation Lab	-	1
Ag 275	Forest Pest Management	-	3
Ag 275L	Forest Pest Management Lab	-	1
Remote Sensing			
	Ag 291 or EngT 291	-	4
Speech ††	Sp 151 (DA) or Sp 251 (DA)	-	3
	TOTAL	-	*16*
	TOTAL	**31**	**64**

** Meets competency requirement in mathematics or communications
† Students may choose to take 3 credits of Ag 190V instead of 2 credits Ag 190V and 1 credit Ag 192
†† Earn 9 credits total; 3 credits are required in each of the three Diversifications categories: Arts, Humanities, Literature (DA, DH, DL); Natural Sciences (DB, DP, DY); and Social Sciences (DS)

Program Advisory Councils

The Career and Technical Education (CTE) programs at Hawai‘i CC are an integral part of the local community and reflect its day-to-day life. Close cooperation among the faculty, employers, and employees in the community is maintained. One of the most effective formal means of providing for this type of cooperation is the Program Advisory Council. These groups advise their respective programs of training needs and new developments in the field. Councils include employers, alumni, and others knowledgeable about the field.

Accounting

John Arbles, Audit Services, Taketa, Iwata, Hara, & Associates
Allison De Guzman, Associate Member, Taketa, Iwata, Hara, & Associates
Jocelyn Dickinson, Just Accounting, Inc.
Sherri-Ann Ha-Ahu, Director of Finance, HPM Building Supply
Le Pomaski, Controller, Heartwood Pacific
Amy Yanagihara, Staff Accountant, Taketa, Iwata, Hara, & Associates

Business Technology

Corey Aguiar, Administrator, KIAA
Kevin Aki, Jr., Workforce QUEST, Research and Development, County of Hawaii
Sherie Cacho, Economic Development Specialist, Workforce Program
Tiffany Ichimasa, Agent, Noguchi & Associates
Sherie Kojima, Business Pathway Teacher
Denise Pacheco, Office Manager, Department of Labor and Industrial Relations
Raymond Saludares, Director of Career Services, Goodwill Hawaii
Michelle Simmons, Human Resources Manager II, Recruitment and Examincation
Marcia Yoshiyama, Economic Development Technician

Creative Media

Ninamarie Jeffrey, Owner, Content Ally
Jared Kushi, CEO, Hawaiiverse
Jensen Nihei, Five by Five LLC
Alan Ohara, Graphic Designer, Akolea Visual LLC
Shawn Pila, Graphics/Video Artist, Ena Media
David Souza, Senior Engineer, Best Buy

Early Childhood Education

Michelle Flemming, Director, Developmental Preschool, Hawai‘i Island YWCA
Tamia McKeague, Senior Project Manager, Kamehameha Schools - Hi‘ialo Group
Napua Rosehill, Strategy Consultant, Kamehameha Schools
Paula Seguerre Yanagi, Executive Director, Ka Hale O Na Keiki Preschool
Shana Young, Direct Services Specialist, Queen Lili‘uokalani Trust

Fire Science

Nani Barretto, President, Hawai‘i Wildfire Management Organization
Greg Funderburk, Pacific Island Fire Management Officer, National Park Service
Talmadge Magno, Director, Hawai‘i County Civil Defense
Max R. Matias, Jr., Fire Chief, KOA ARFF Commander
Darwin Okinaka, Assistant Fire Chief, Hawai‘i Fire Department
Elizabeth Pickett, President, Hawai‘i Wildfire Management Organization
Kazuo Todd, Fire Chief, Hawai‘i Fire Department
Clay Trauernicht, UH Mānoa
Don Yokoyama, Protection Forester, Division of Forestry and Wildlife, DLNR

Hospitality and Tourism

Frecia Cevallos, Deputy Director of Research and Development, County of Hawai‘i
Jake Franquez, Director of Operations, King Kamehameha Kona Resort
Nakiah Hemmings, Operations Supervisor, Alaska Airlines
Wendy Laros, President and CEO
Todd M. Oldham, Director of Food & Beverage, Mauna Kea Resort
Scott Pauli, Executive Director, Island of Hawai‘i Visitors Bureau
Matt Pickett, General Manager, Hilo Hawaiian Hotel
Windy Simmons, Station Operations Manager, Alaska Airlines

Human Services

Christian “Kimo” Alameda, Mental Health and Education Consultant
Allen B. Bartolome, Executive Aide, Office of the Prosecuting Attorney, County of Hawai‘i
Wendy Bothelo-Cortez, Executive Director, Island of Hawai‘i YMCA
Elena Cabatu, Director of Marketing, Legislative & Public Affairs
Melissa Eisgruber, Housing First Case Manager, Hope Services Hawaii, INC
Carla Kurokawa, Employment and Training Manager, Alu Like Hawaii Island Center
Denby Toci, Program Director II, FSS.IFSATS/DVSF

Information Technology

Jeremy Chong, Vice President IT, KTA Super Stores
Robert Ewbank, Director, Department of IT, County of Hawai'i
Kathy Kawasaki, KTA Super Stores
Tim Minick, Director of Cybersecurity Risk Management, Pacific Guardian Life Insurance Co., Ltd.
Scott Uehara, Radio System Manager, Civil Defense

Marketing

Alia Chochol, Property Manager, Private Homes Hawaii
Chelson DeJesus, Owner/CEO, Messiah Mindset
Keri Kimura, Social Worker IV, Hawaii State Judiciary

Nursing and Allied Health

John Blake, Director of Nursing, Fresenius Medical Care Hilo
Sarah Chase, Admin, Kona Lifecare
Tara Colburn, Director of Nursing, Yukio Okutzo Veteran's Home
Diane Hale, West Hawaii Regional Chief Nurse Executive, Kona Community Hospital
Stephanie Irwin, Director of Education, Kona Community Hospital
Lori Martines, Director of Nursing, Life Care Center of Hilo
Regina Moreno, Director of Critical Care Services, Kona Community Hospital
Joyce Murata, Nursing Administration, Hilo Medical Center
Michela Passos, Nurse Manager and Chief Operations, West Hawaii Community Health Center
Arthur Sampaga, East Hawaii Region's Chief Nursing Officer, Hilo Medical Center
Renee Shove, Director of Patient Services, Kona Community Hospital
Dennis Tognoli, Director of Surgery Center, Ali'i Health Center
Ashley Watanabe, Director of Nursing, Hale Anuenue Rehab Hilo