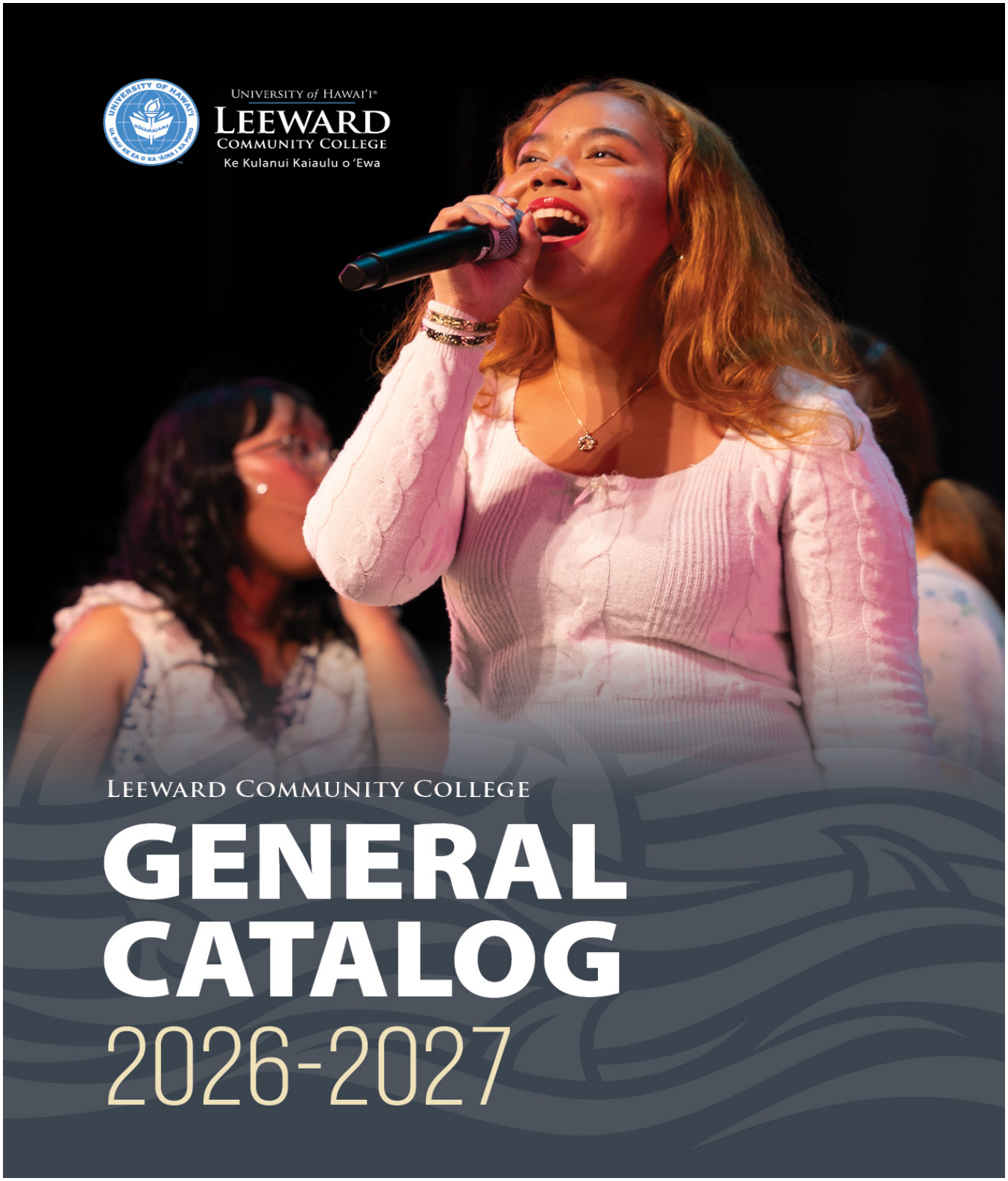


Leeward Community College
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(808) 455-0011
www.leeward.hawaii.edu

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Our Mission & Values

A Message from the Chancellor



Greetings,

It is my privilege to welcome you to the Leeward Community College ʻohana. The College extends its aloha and kōkua to each and every one of you. For nearly sixty years, Leeward has proudly served students across Oʻahu and the entire state, providing a strong foundation to help you achieve your academic, career, and personal goals.

We celebrate the unique character of the Leeward community, one of the most diverse regions in the United States. This past fall, we served over 6,400 credit students, with more than 26% identifying as Native Hawaiian, 10% as active-duty service members, veterans, or dependents, and 47% as first-generation college students—the first in their families to pursue higher education.

Leeward offers a variety of pathways to higher education and workforce training, including 93 academic credentials in career and transfer degree programs, as well as numerous non-credit workforce development courses and certificate programs.

As a community college graduate myself, I can personally attest to the value of dedicated faculty and staff. At Leeward, our educators and support teams are committed to empowering students, helping them strengthen skills, build confidence, and chart a clear path toward a fulfilling future.

Mahalo for allowing us to be part of your journey. Whether you are defining or redefining your path, we are here to support you as you take the next step toward academic and professional success.

I wish you a fulfilling and rewarding experience at Leeward Community College and continued success in achieving your goals and dreams in the years ahead.

Carlos G. Peñaloza, Ph.D | Chancellor
Leeward Community College
Chancellor's Office

About the College



Leeward Community College opened in the fall of 1968 as the first institution in the University of Hawai‘i system developed independently of a pre-existing technical school. Our commitment to transforming students’ lives through high-quality, accessible, and affordable education forms the foundation of our mission.

As part of the University of Hawai‘i system, we are dedicated to serving our community and the State of Hawai‘i, providing open access to a world of educational opportunities. We offer a variety of programs and services both online and in person at our Pu‘uloa (Pearl City) campus, the Wai‘anae Moku Education Center, and the Wahiawā Value-Added Product Development Education Center. Additionally, we support Early College programs at over 15 high schools in our region.

Our main campus, located between Pearl City and Waipahu, sits on gently sloping land, offering a commanding and picturesque view of Pu‘uloa (Pearl Harbor). While we primarily serve students from the Leeward Coast and Central O‘ahu, learners from all parts of the island attend Leeward Community College.

We believe in the dignity and potential of every individual and the power of education to help people learn and grow. Our commitment is to provide an inclusive and supportive learning environment that nurtures each student’s unique talents.

At Leeward Community College, education is a collaborative effort shared by students, faculty, and staff. Your success is our highest priority.

Vision, Mission, and Core Values

Vision

We aspire to be the leading indigenous-serving community college dedicated to inclusion, innovation, and our Hawaiian sense of place.

Mission

At Leeward Community College, we mālama all students and affirm our special commitment to Native Hawaiians. We transform the lives of our students through high quality, accessible, and affordable education.

Core Values

- **Community:** We value cooperation, collaboration, social responsibility, and concern for others as crucial elements in building a sense of community inside and outside of the institution.
- **Diversity and respect:** We value individual differences and the contributions they bring to the learning process. We believe that our students are enriched through a diverse intellectual and social environment, where learning occurs through exposure to world cultures, and through interaction with peoples of diverse experiences, beliefs, and perspectives.
- **Integrity:** We value personal and institutional integrity by fostering a culture of continuous improvement to open pathways to student success. We hold ourselves accountable for providing a high-quality academic experience.
- **Open access:** We value all students. We seek to meet their needs, as well as those of the community, by offering a diversity of courses, degree and certificate programs, and training opportunities, through traditional and distance education modes of delivery.

Kulanui O Hawai'i Ke Kulanui Kaiaulu O 'Ewa

Ka ʻŌlelo Nuʻukia

Kia mākou e kū ma ke ʻano he kulanui kaiāulu kaʻikaʻina kākoʻo ʻōiwi e kūpaʻa ana i ka lōkahi, ka manaʻo hou, a me ke kuleana o ke aloha ʻāina.

Ke Ala Nu'ukia

Ma ke Kulanui Kaiaulu o ʻEwa a me Waiʻanae, mālama mākou i nā haumāna a pau a kūpaʻa mau nō hoʻi i nā ʻōiwi o Hawaiʻi. Hoʻololi mākou i ke ola o nā haumāna ma o ka hoʻonaʻauao kilohana, ke ala e hiki ai i ka hoʻonaʻauao, a me ka hoʻonaʻauao makepono.

Nā Kahua Hana

- **Kaiāulu**: He mea nui loa ke alu a me ka hana like me ka mālama nō hoʻi i ke kanaka ma ke kūkulu kaiāulu i loko a i waho aʻe o ke kahua kulanui.
- **Kākoʻo a Hōʻihi i nā kānaka like ʻole**: He mea nui loa ke kākoʻo i nā kuanaʻike like ʻole a he waiwai nō ia ʻike i ke aʻo pono. Pōmaikaʻi nā haumāna i ke komo i ke kaiāulu o nā ʻike like ʻole, ʻo nā ʻike moʻomeheu like ʻole o ke ao nei nō hoʻi kekahi, a me ka launa pū me nā poʻe o nā moʻolelo like ʻole.
- **Kūpono**: He mea nui loa ka hana pono o neʻi nei a hōʻike ʻia ma o ka hoʻomōhala a hoʻoikaika mau i nā ala pono hele ʻia e ka haumāna. Hoʻohiki ʻia nō ka pōʻaiapili aʻo pono loa.
- **Kūākea**: He mea nui loa nā huamāna a pau. Hoʻokō ʻia nā mea e pono ai ka haumāna a me ke kaiāulu ma o ka hoʻomākaukau i ka papa, ke kekelē, a me ka papahana palapala ma ke aʻo ʻana i ke kahua kula a ma o nā ʻenehana like ʻole.

Hōʻoia ʻĀina Statement

Leeward Community College, with profound reflection, offers this Hōʻoia ʻĀina, Land Acknowledgement Statement, recognizing Hawaiʻi as an indigenous space whose original people are today identified as Native Hawaiians. (kānaka ʻōiwi)

Leeward Community College upholds the University of Hawaii's commitment to the well-being of our indigenous communities. This Hōʻoia ʻĀina honors the relationship between kānaka ʻōiwi and the land upon which the college sits.

With much aloha, this statement pays respect to the ʻāina ʻōiwi of our Puʻuloa campus, in the ahupuaʻa of Waiawa, the Waiʻanae Moku Education Center in the ahupuaʻa of Lualualei, and the Wahiawā Value-Added Product Development Center in the ahupuaʻa of Waiʻanae Uka, respectively located in the moku of ʻEwa and Waiʻanae, with all three Centers located on the mokupuni of Oʻahu.

This Hōʻoia ʻĀina welcomes all who gather on these ancestral lands.

Hālau Pu'uloa (Mele oli)

Hālau Puʻuloa he awa lau no ʻEwa	Expansive is Puʻuloa a harbor for ʻEwa
He awa lau moana na ke Kēhau	An extensive harbor belonging to the Kēhau breeze
He kiʻowai lua he muliwai, no ʻEwa	An abundant, overflowing estuary for ʻEwa
No ua ʻāina ka iʻa hāmau leo	To this ʻāina belongs the iʻa that silences voices
E hāmau ana ka leo o ke kānaka	The voices of people will be silenced
ʻO pānea mai auaneʻi hilahila	Yet, a response is always given lest there be shame
Keʻeo ua iʻa la iloko o ke kai	The aforementioned iʻa fills the sea
ʻO ke kai puakai ʻula ai ke kai o Kuhia – e	from the sacred reddish sea to the sea of Kuhia
He mai, he mai	Welcome, welcome
Eia nō mākou nei.	Here we are.

The oli komo, or welcoming chant, is a gift given to those who visit our home. Hālau Puʻuloa speaks of the beauty and abundance of Waiʻawa's lands and the harbor of Puʻuloa (Pearl Harbor). This area was once home to fishponds brimming with marine life and natural springs that nourished the lush vegetation for which ʻEwa is renowned. Through the oli, we share the bounties of Puʻuloa with our guests, warmly inviting them into our home.

Hālau Waiʻanae (Mele oli)

Hālau Waiʻanae molale i ka lā	Waiʻanae is a house that shines in the sun
Ala panoa ke kula o Kūmanomano	On a dry path that leads to the plains of Kūmanomano
Kūnihi ka noho a Mauna Lahilahi	Steep is the stance of Mauna Lahilahi
Hoʻomaha aku i ka wai o Lualualei	As we rest near the waters of Lualualei
Lei ana Nuʻuanu i ke kāmakahala	Nuʻuanu is adorned by the kāmakahala
I paukū ʻia me ka ʻāhihi	Along with the ʻāhihi
I hoʻohihi nō hoʻi au, naʻu nō hoʻi ʻoe	I greatly admire you and you are mine
ʻO koʻu kuleana paʻa nō ia	You are mine bound firmly to me forever
He ʻike haole,	When meeting a stranger
E lūlū lima ke aloha ē	I extend my hand in the greeting of love

*Traditional oli aloha to honor the moku of Waiʻanae on the island of Oʻahu. The oli is also used by Leeward Community College – Waiʻanae Moku as welcome protocol for events at Hale Kaiāulu.

Student Resources

Learning Resources

Leeward Community College offers a wide array of resources to support your learning!

Library

The Library offers a comprehensive range of resources and services to support student learning, including access to an extensive collection of books, e-books, scholarly journals, and databases, as well as providing research assistance, information literacy instruction, study rooms, computer workstations, technology loans (e.g., laptops, iPads), and various online tools and tutorials. The library is located at the Leeward CC campus in Pearl City and provides support and services on the main campus, the Leeward Waiʻanae Moku Education Center, and distance education online courses.

Website: https://library.leeward.hawaii.edu.

Tutoring

Are you struggling with your course assignments? We are here to assist! We have tutoring resources to help you with writing, studying, exam preparation, and more. Tutoring services are available in two separate spaces within the Learning Commons.

- **Learning Resource Center**

  The Learning Resource Center (LRC) provides free instructional support services to help students succeed at Leeward CC.

- **Writing Center**

  If you are getting set to work online or in-person, starting on a paper, planning to apply for scholarships, or thinking of ways to succeed this semester, please schedule a session with a writing consultant or stop by the Writing Center.

Website: https://www.leeward.hawaii.edu/tutoring

Math Lab

The Math Lab's mission is to help Leeward CC MATH and QM discipline students develop proficiency in mathematical procedures by providing guidance on routine homework problems. We make it a priority to maintain a nurturing environment for students to ask questions and to learn to do work.

Website: https://www.leeward.hawaii.edu/mathlab

Learning Commons

The Learning Commons is a student-centered learning space offering individual and group study seating, group study rooms, desktop computers, fee-based printing and copying, no-fee digital scanning, a self-checkout laptop kiosk, and more. The Academic Services units co-located in this space include the Library and Tutoring (LRC and Writing Center)

Blog: https://leewardlearningcommons.edublogs.org/

Kīpuka, Native Hawaiian Center at Puʻuloa

The mission of the Native Hawaiian Center at Puʻuloa is to provide a trusted Kīpuka, where students learn and cultivate a sense of belonging rooted in Aloha ʻĀina. We provide on-site counseling services, group study areas, electronic device check-out capability, a cultural resource lending library and a gathering place for all students to gain knowledge of Hawaiian culture, language and history while networking with faculty/staff and peers.

Website: https://www.leeward.hawaii.edu/kipuka

Wai'anae Moku Education Center

We offer students a variety of services to help them be successful including peer tutoring, librarian assistance, and counseling services.

Website: https://www.leeward.hawaii.edu/waianaemoku-services

Disability Services

The Disability Services Office (DSO) provides services for students with disabilities which allow them to access the instructional programs/materials. We collaborate with students, faculty, staff, and the campus community to cultivate a universally designed environment that facilitates the removal of existing barriers for the full inclusion of people with disabilities.

Website: https://www.leeward.hawaii.edu/dso

Counseling and Advising

The Counseling and Advising Office offers a variety of services to support students throughout their educational journey, including career counseling, academic planning, course registration, academic success counseling, transfer guidance, and transition-to-employment support. Counselors are available to meet with students both in person and virtually via Zoom. Evening appointments are also offered on Wednesdays and Thursdays during the Fall and Spring semesters to accommodate students' schedules.

During the week prior to the start of the semester and the first week of the semester, drop-in advising is available through STAR Kiosk for students with quick questions. Please contact the Counseling Office for more information or to schedule an appointment.

Website: https://www.leeward.hawaii.edu/counseling

Career Exploration and Placement

Career Central provides a variety of services to Leeward Community College students, faculty, and area businesses employers.

Website: https://www.leeward.hawaii.edu/careercentral

Additional Resources

In addition to learning resources, we offer a wide array of resources to support all other aspects of your academic journey! For more information on the resources listed below, visit our website at www.leeward.hawaii.edu and click on "Student Experience".

Student Life

Associated Students of University of Hawai'i - Leeward (ASUH)

Student Activities Board

Registered Independent Student Organization (RISO)

IM LeeSports

IM LeeGaming

Budget and Finance Committee

Hānai iā Leeward

Board of Student Communications (BOSC)

Ka Mana'o

Campus Services

Bookstore

Career Central

Cashier Office

Children's Center

Kīpuka, Native Hawaiian Center at Pu‘uloa

Mental Health and Wellness

Student Health Center

Welcome Center

Testing

Veterans Resource Center

Campus Spaces

Learning Commons

Kīpuka, Native Hawaiian Center at Puʻuloa

Veterans Resource Center

Student Lounge

Cafeteria

Observatory

Green House

Hōʻikeʻakea Gallery

The Pearl

Lactation Room

Leeward Theatre

Parking

Parking on Campus

Parking Areas

Apply for a Parking Permit

Visitor Parking

General Regulations

Violations and Penalties

Appeals

Definitions and Delegation of Authority

Student Safety

Behavioral Intervention Team

Campus Security

LGBTQ+ Resources
Love Pono

Reporting Hazardous Conditions/Materials

Title IX

Additional Services:

In addition to the resources above, we also offer the following:

Student Basic Needs (Click here for information)

Language Access (Click here for information)

Office of International Programs (Click here for information)

Office of Workforce Development (Click here for information)

Wahiawā Value Added Product Development Center (Click here for information)

Getting Started & Academic Essentials

1. Institutional Information

a) Catalog Disclaimer

The Leeward Community College General Catalog provides an overview of College offerings, policies, services, courses, programs, degree requirements, as well as general information. It is not a contract between Leeward Community College and students.

While the Catalog is published annually and every effort is made to keep it correct and current, Leeward Community College reserves the right to change, delete, supplement or otherwise amend at any time, and without prior notice, the information, requirements and policies contained in this Catalog. It is highly recommended that students consult academic advisors in conjunction with the Catalog for the most current information.

Not all courses listed in the Catalog may run every semester. Please consult the online Leeward Community College - Class Availability page for classes offered in a given term.

Print copies of the General Catalog are available from the College's Copy Center for a nominal fee.

A Note on Catalog Rights
Students have the right to follow the degree and certificate requirements that were in effect at the time of their initial enrollment or any year thereafter, as long as they remain continuously enrolled. Students who take a break in their enrollment must follow the degree requirements in effect at the time of their most recent enrollment at the College, unless granted special approval (Leeward CC Policy L7.201).

b) Institutional Accreditation - ACCJC

Leeward Community College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC), 428 J Street, Suite 400, Sacramento, CA 95814, (415) 506-0234. ACCJC is a regional accrediting body recognized by the Council for Higher Education and the U.S. Department of Education. To file a complaint with ACCJC, refer to the "Complaint Process" at http://www.accjc.org/complaint-process.

c) Program Accreditation – Culinary Arts (ACFEF)

The programs in Culinary Arts are accredited by the American Culinary Federation Education Foundation (ACFEF), 6816 Southpoint Pkwy Ste. 400, Jacksonville, FL 32216, (904) 824-4468. To file a complaint with the ACFEF, visit www.acfchefs.org.

d) Program Accreditation – Automotive Technology (ASEEF)

The programs in Automotive Technology are accredited by the Automotive Service Excellence Education Foundation (ASEEF), 1503 Edwards Ferry Rd., NE, Suite 401, Leesburg, VA 20176, (773) 669-6650/(773) 669-6677. To file a complaint with the ASE Foundation, email info@ASEeducationFoundation.org or visit https://aseeducationfoundation.org/.

e) Program Accreditation – Health Information Technology (CAHIIM)

The programs in Health Information Technology are accredited by the Commission on Accreditation for Health Informatics and Information Management (CAHIIM), 233 N. Michigan Ave. 21st Floor. Chicago, IL 60601-5800, (312)233-1166. To file a complaint with Commission on Accreditation for Health Informatics and Information Management visit cahiim.org.

f) Program Accreditation – Teacher Education (AAQEP)

The Teacher Education Alternative Certification for Career and Technical Education and the Advanced Professional Certificate in Special Education programs are accredited by the Association for Advancing Quality in Educator Preparation (AAQEP), P.O. Box 7511, Fairfax Station, VA 20039, (301) 276-5106. To file a complaint with AAQEP, email aaqep@aaqep.org or visit https://aaqep.org/complaint-policy.

g) Graduation and Persistence Rates

GRADUATION AND PERSISTENCE RATES	
First-Time, Full-Time, Degree or Certificate-Seeking Undergraduates	
Fall 2022 Cohort	
GRADUATION RATE - 150% of normal time to completion	33%
Gender	
Men	34%
Women	33%
IPEDS Race/Ethnicity	
Nonresident Alien	#
Hispanic/Latino	23%
American Indian or Alaska Native	#
Asian	38%
Black or African American	17%
Native Hawaiian or Other Pacific Islander	30%
White	39%
Two or more races	34%
Race and ethnicity unknown	#
Federal Grant/Loan Recipient	
Recipient of a Federal Pell Grant	29%
Recipient of a subsidized Stafford Loan who did not receive a Pell Grant	#
Student who did not receive either a Pell Grant or a subsidized Stafford Loan	37%
PERSISTENCE RATE - Still enrolled after 150% of normal time to completion	11%
TRANSFER OUT RATE	15%

A pound sign (#) denotes any cohort/subcohort with fewer than ten students.

This information is provided for the Student Right-to-Know Act, Public Law 101-542. It provides a partial description of the graduation and enrollment patterns of students.

It should not be used to infer or predict individual behavior.

Institutional Research, Analysis, and Planning Office, University of Hawai‘i (**March 2026**).

h) Institutional Learning Outcomes

Critical Thinking and Problem Solving
Our graduates are able to examine, integrate, and evaluate the quality and appropriateness of ideas and information sources to solve problems and make decisions in real world situations.

Written, Oral Communication and Use of Technology
Our graduates are able to use written and oral communication and technology to discover, develop, and communicate creative and critical ideas, and to respond effectively to the spoken, written, and visual ideas of others in multiple environments.

Values, Citizenship, and Community
Our graduates, having diverse beliefs and cultures, are able to interact responsibly and ethically through their respect for others using collaboration and leadership. Our graduates are able to engage in and take responsibility for their learning to broaden perspectives, deepen understanding, and develop aesthetic appreciation and workforce skills.

i) Academic Calendar

Fall 2026 Semester

Application Deadline for Fall Semester	**August 1**
First Day of Registration for Continuing Students	**April 6**
Tuition Payment Deadline by 4:00 pm (online or in person)	**August 20**
Last Day of Regular Registration	**August 23**
First Day of Classes	**August 24**
Last Day to Add or Change Section, and Late Register*	**September 1**
Last Day for Textbook Refunds	**August 28**
Last Day for Non-Disclosure Request	**September 8**
Last Day for 50% Tuition Refund*	**September 15**
Last Day to Withdraw without a “W” grade*	**September 15**
Last Day to Change to CR/NC option, or select AUDIT grade*	**November 2**
Last Day to Convert 'I' Grades Assigned in Spring/Summer	**November 2**
Last Day to Withdraw with a "W" Grade	**November 2**
Application Deadline for Fall Graduation/Degree	**December 10**
Last Day of Instruction*	**December 10**
Final Exams	**December 14-18**
Faculty Deadline to Submit Grades*	**December 22**
Bookstore Buyback	**December 14-18**

Spring 2027 Semester

Application Deadline for Spring Semester	**December 15**
First Day of Registration for Continuing Students	**November 9**
Tuition Payment Deadline by 4:00 pm (online or in person)	**January 8**
Last Day of Regular Registration	**January 10**
First Day of Classes	**January 11**
Last Day to Add or Change Section, and Late Register*	**January 19**
Last Day for Textbook Refunds	**January 15**
Last Day for Non-Disclosure Request	**January 26**
Last Day for 50% Tuition Refund*	**February 3**
Last Day to Withdraw without a “W” grade*	**February 3**
Last Day to Withdraw with a “W” grade*:	**March 26**
Last Day to Convert 'I' Grades Assigned in Fall	**March 26**
Last Day to Change to CR/NC option, or select AUDIT grade*	**March 26**
Application Deadline for Spring Graduation	**May 5**
Name to Appear in Printed Program	**April 16**
Last Day of Instruction*	**May 5**
Final Exams	**May 10-14**
Faculty Deadline to Submit Grades*	**May 18**
Bookstore Buyback	**May 10-14**
Commencement	**May 14**

Summer 2027 Semester

Summer Session I	**May 24 - July 2**
Summer Session II	**July 6 - August 13**
Faculty Deadline to Submit Grades Summer Session I	**July 6**
Faculty Deadline to Submit Grades Summer Session II	**August 16**

Holidays/Non-Instructional Days

2026

Statehood Day	**August 21**
Labor Day	**September 7**
Election Day	**November 3**
Veterans Day	**November 11**
Thanksgiving Day	**November 26**
Thanksgiving Recess (Non-instructional)	**November 27**
Christmas	**December 25**

2027

New Year's Day	**January 1**
Martin Luther King Jr. Day	**January 18**
President's Day	**February 15**
Spring Recess	**March 15-19**
Prince Kūhiō Day	**March 26**
Good Friday	**March 26**
Memorial Day	**May 31**
King Kamehameha I Day	**June 11**
Independence Day	**July 5**

*Semester-long courses only. For important dates affecting part-of-term courses, see the College's **website**.

Students who register at more than one UH campus should pay particular attention to deadlines as they may vary from campus to campus. Please refer to each campus website or contact the Admissions and Records Office at the campus offering the course.

2. Admissions Information

a) Application Deadlines

Policy Summary

The deadlines for submitting your completed application to the Leeward Community College Admissions Office are:

- August 1, 2026, for the Fall 2026 semester
  December 15, 2026, for the Spring 2027 semester
- November 15, 2026 for Early College Spring 2027 semester (additional materials required, please see your high school Early College Coordinator)
- May 1, 2026 for Early College Summer and Fall 2026 semester (additional materials required, please see your high school Early College Coordinator)

Leeward Community College is authorized by the U.S. Department of Homeland Security (DHS) to admit international students under F-1 visa status.

b) Eligibility

Leeward is proud of its "open door" policy and is dedicated to providing educational opportunities for all its community members.

Any US citizen who has graduated from a US high school, has a GED (General Education Development) certificate, or is 18 years of age or older may attend Leeward Community College (CC). High School students under 18 years of age may be eligible for a Dual Enrollment/Early College program.

Foreign citizens on immigrant visas who have been allowed to live in the US permanently but have not yet resided in Hawai‘i for twelve months are subject to the Controlled Growth Policy.

Non-residents of the State of Hawai‘i are accepted in limited numbers and are subject to the non-resident quota as mandated by the Controlled Growth Policy of the University of Hawai‘i System. A $25.00 fee is required for application. This fee is non-refundable, non-transferable and paid each time you apply. (See Residency Requirements)

It is the policy of the University of Hawai‘i to comply with Federal and State laws, which prohibit discrimination in University programs and activities.

Note the following terms are defined as:

- **Returning student:** Anyone who once attended Leeward CC, but has been away at least one semester.
- **Transfer student:** Anyone who has attended another college, prior to enrolling at Leeward CC.
- **Continuing Student:** Any student enrolled at Leeward Community College in the current semester.
- **International student:** Any student who is admitted as a non-immigrant and requires a visa to study.
- **Early College student:** Anyone who is taking college courses as a high school student.
- **Faculty/Staff:** Any full-time University of Hawai‘i employee.

Concurrent Registrant
The student information system provides the ability to register at multiple UH campuses simultaneously. Students who are enrolled at any campus of the UH system may enroll at Leeward CC provided they are in good academic standing. Leeward CC students can register for courses for which they are eligible at any other UHCC campus without first having to apply to that campus.

Auditors
Persons wishing to audit courses must submit a completed application to the Admission Office, must have the instructor's permission, and must pay all appropriate tuition and fees. Auditors do not receive grades or credit for audited courses. Auditors must abide by the UH Student Conduct Code.

c) Health Requirements

TB Clearance

In compliance with public health regulations, new students must show evidence that they are free of active tuberculosis. To prevent the spread of tuberculosis, no new student will be allowed to register for courses without proof of a current TB clearance.

Immunization Requirements

New students must provide evidence of immunity against Measles Mumps and Rubella (MMR), Chickenpox (Varicella), and Tetanus-Diphtheria-Pertussis (Tdap). Students born prior to 1957 are assumed to have acquired natural immunity to measles and will be exempt from providing such evidence. Varicella is waived if born in the US before 1980.

Evidence is documented records of two MMR immunizations, two Varicella immunizations, and one Tdap.

Contact the Student Health Center at (808) 455-0515 should you have any questions.

Health and Accident Insurance Requirement, Non-Residents

All non-resident international students must demonstrate proof of enrollment in a health and accident insurance program before any such student shall be permitted to enroll. The intent of this requirement is to protect international students against the high cost of unanticipated healthcare expenses resulting from accidents or illness.

Early College

MOA, Running Start, and Early Admit students from public or private high schools will NOT need to submit Health Clearances once cleared by their secondary institutions. All home-schooled students are required to submit Health Clearances before enrolling in any Leeward course with a face-to-face component (fully on campus or hybrid modalities).
Early Admit homeschooled students are required to turn in forms.

Refer to the UH System website https://www.hawaii.edu/health-clearance/ for more information.

d) Placement Tests

Placement testing is a way to assess students' current skill levels in English, Math, and ESL and determines the courses in which students are eligible to register.

High school scores may be used as a placement qualifier under multiple measures at Leeward CC. Additional placement testing may not be necessary.

If one of the measures below leads to placement in a developmental education class, students have the option of taking a placement test to improve placement.

High School Placement Measures:

- Smarter Balanced Assessment
- Cumulative High School GPA
- 12th Grade English Grade
- 12th Grade Intro to College Math Grade
- 12th Grade Alg 3, Trig, or Pre Calc Grade
- Algebra II grade
- Algebra I grade
- ACT English / English score
- SAT Writing / Math score
- HiSET Language Arts / Math score
- GED Language Arts / Math score

Please contact a Counselor at 808-455-0233 if there are any questions about our placement measures. Placement testing is available in-person via the Accuplacer Assessment (most recommended for English Language Learners). To schedule an appointment please visit this site for more information: https://www.leeward.hawaii.edu/placement

Online placement testing is also available online via the EdReady Assessment.

e) Registration

Registration into a course obligates you financially and academically if you do not make payment by applicable deadlines. If payment in full is not received for your classes, or you have not enrolled in the payment plan, the University of Hawai‘i (UH) reserves the right to cancel your future registration and/or place a financial hold on your student account which may deny you any further services such as future registration, request for transcripts, verification of student status request, etc.

Registration information and the listing of Course Availability are available for viewing online at the College's website. The Catalog is available in pdf format on the website or can be purchased at the Copy Center. This information should be used in planning the program of studies. Visit the Leeward CC website at www.leeward.hawaii.edu for additional information and updates.

Continuing students registered in credit courses the preceding semester are eligible for early registration for the next semester. Registration appointment information for current students is available in their student accounts. All new applicants will be assigned a date and time to register for courses only after completing all admission and related requirements.

Students not registered for at least one credit at a University of Hawai‘i system campus in the preceding semester are not eligible to register and must reapply for admission.

Tuition and all applicable fees must be paid in full on, or before, the published deadline. Students who register during the late registration period will be liable for all applicable tuition and other related fees for the classes taken. Therefore, students should officially withdraw from classes they no longer wish to take by the appliable tuition refund deadlines. Failure to withdraw by the deadlines may result in a financial obligation to the University of Hawai‘i and may also result in a failing grade for the class(es) in question. Tuition refund deadlines can be found online at www.hawaii.edu/academic-calendar.

Students who register at more than one UH campus should pay particular attention to payment and other deadlines as they may vary from campus to campus. Deadline information is available at each campus website or contact the Admissions and Records Office at the campus offering the course.

The College reserves the right to make changes in certain fees, faculty assignments and time schedules, to cancel classes where necessary, and to set maximum limits for enrollment in certain classes. Notice of such changes will be given whenever possible.

Applicants who have been accepted will be notified of acceptance by email. Information about orientation, placement testing (reading/English and mathematics), advising, and registration will be made available through email communications.

Class attendance by persons not properly registered is prohibited. Any unofficial attendance does not provide a basis for later claim of registration or credit.

Important information from the College will be sent to your hawaii.edu email address. Please check this account for information on a regular basis.

Registration for non-credit courses and specialized training is handled by the Office of Workforce Development, (808) 455-0477.

f) Residency Regulations for Tuition Purposes

Students who do not qualify as bona fide residents of the State of Hawai‘i, according to the University of Hawai‘i (UH) rules and regulations in effect at the time they register, must pay the nonresident tuition. Applicants may be required to provide documentation to verify residency status.

h) Transfer Information

Students are advised to work closely with Leeward counselors in planning their course of study and to consult the current catalog of the specific University of Hawai‘i baccalaureate institution for further information. This section outlines basic information when planning to transfer to UH Mānoa, UH Hilo, or UH West O‘ahu.

If the student has completed 24 credits in college-level courses with a cumulative GPR of 2.0 or higher as a resident applicant (or 2.5 GPR or higher as a non-resident applicant for UH Mānoa), they could be admitted to the UH baccalaureate institution as a transfer student even if previously denied admission as a freshman applicant.

If the applicant had previously been admitted to UH Mānoa, UH Hilo, or UH West O‘ahu but elected to begin at Leeward, the student may reapply to transfer to the baccalaureate institution at any time. However, whatever admission requirements are in effect at the time of reapplication have to be met.

If the student has not completed 24 credits of college-level courses at Leeward, they will be subject to the same admission requirements as entering freshmen applying to UH Mānoa, UH Hilo, or UH West O‘ahu.

New applicants are required to submit a transcript of satisfactory high school work and official scores of the Scholastic Assessment Test (SAT) or the American College Test (ACT)
in addition to official transcripts from all post-secondary institutions previously attended.

Automatic Admissions

Students graduating from any of the University of Hawai‘i's seven community colleges with an Associate in Arts (AA) degree or selected Associate in Science (AS) degrees will be notified that they may be eligible for automatic admission to UH Mānoa, UH Hilo, or UH West O‘ahu.

Under automatic admission, the application fee is waived and student transcripts analyzed to help identify which courses can transfer in and which requirements these will cover. Qualified students will receive an email notice that they are considered eligible for automatic admissions in October for the spring semester or February for the fall semester. Students must respond to this offer in order to take advantage of this opportunity by a specific deadline.

Submit Official Transcripts from All Colleges

Any Leeward student transferring to a UH System baccalaureate institution does not need to submit an official transcript. The baccalaureate institutions will view the student's transcript through STAR. The student should check with the Admissions and Records Office at the baccalaureate home campus for evaluation and transfer procedures. The credits and grades earned will be evaluated by the UH System baccalaureate institution to determine eligibility for transfer.

If there are additional institutions the student attended outside of the UH System, official transcripts from those schools will need to be submitted to the baccalaureate institution.

General Definition of Transferable Courses

Courses acceptable for transfer to UH System baccalaureate institutions are generally those numbered 100 and above. Some Leeward courses numbered 1-99 (primarily skill and occupational courses) may be accepted at Mānoa for credit toward certain degrees. Although transfer credit may be granted for a course, it does not necessarily mean that the course will satisfy the curricular requirements of a particular college or degree program.

D Grades When Transferring

Currently, UH Mānoa, Hilo, or West Oʻahu allow transfer credit for a course in which a grade of D was earned at Leeward; however, the course may be unacceptable toward fulfilling the course requirements for a particular major or degree. Leeward courses in which a grade of W, N, NC, F, or I have been earned are not acceptable for credit at UH Mānoa, UH Hilo, and UH West O`ahu.

Number of Credits that May Transfer

Currently, Mānoa and UH Hilo do not impose a limit on the number of credits in courses numbered 100 or higher which may be transferred from a UH community college.

However, Mānoa accepts no more than 60 credits in transfer from junior or community colleges outside the University of Hawaiʻi system.

Any student intending to complete more than 60 credits at Leeward should work out their course of study very carefully with Mānoa and Leeward CC counselors, taking into consideration any relevant policy changes, the specific curricular requirements of the college in which they wish to enroll, the courses required for the major field of study, and the minimum residency requirement at Mānoa.

Credit/No Credit Option

At UH System baccalaureate institutions, only elective courses may be completed on a "credit/no credit" basis. This option is not allowed for any course taken to fulfill a University, college, school, or department non-elective requirement, with the exception of those courses offered for mandatory credit/no credit. Students planning to transfer must be aware of this policy.

Due to the COVID-19 spring 2020 term disruption, students enrolled as follows were given the option to convert letter grades to CR/NC: all UH courses following the standard academic calendar, part of term, or 5-week courses ending after Spring Break. Within the UH System, students will be “held harmless”

by the choice to select CR/NC in spring 2020 only. This policy supersedes all other relevant UH System or campus policies and requirements described in campus catalogs regarding Credit/No Credit grades or grading.

Transfer of Grade Point Average

Leeward students transferring to UH System baccalaureate institutions do not receive grade point credit for courses completed at the community college. Although the grade point average is not transferred, it is considered for admission purposes by the various university programs.

i) Veterans Affairs

Veterans Affairs (VA) Education Benefits
Leeward Community College is an approved educational institution for education and training under the Veteran's Educational Assistance Act (GI Bill ®), and the Dependents' Act. Information regarding eligibility, entitlement, and types of training authorized may be obtained from the Veterans Administration Regional Office. Certification for VA Benefits is done by the Admissions and Records Office. For information or assistance, call 455-0644.

A Certificate of Eligibility (COE) verifies a student’s eligibility for Veterans Affairs (VA) education benefits. Students planning to use these benefits must obtain a COE and submit it to the School Certifying Official located in the Veterans Resource Center in BS-103 before the first day of the semester.

The College will not impose any penalty, including the assessment of late fees, denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrows additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of funding from the VA under chapter 31 or 33.

All Veterans and other eligible beneficiaries must provide transcripts of previous education and training for review by the College. Leeward Community College is required to review the transcripts of previous education and training for all VA students in order to certify their enrollment. Veteran students and other Veterans Affairs (VA) beneficiaries will be required to meet Standards of Progress to their benefits. To be certified to use VA educational benefits at Leeward Community College, a veteran or eligible dependent must enroll only in courses within their declared major and must meet minimum standards of satisfactory academic progress.

In order to maintain eligibility, a VA student cannot remain on any Unsatisfactory Academic Progress (UAP) status at Leeward Community College indefinitely. A VA student that remains on academic probation for more than two consecutive semesters, or who does not return to good academic standing after a total of four consecutive semesters on UAP (for example, two semesters on warning and two semesters on probation), will be denied VA certification eligibility. VA students that are denied VA certification eligibility for not meeting the minimum standards of academic progress must attain a cumulative grade point average (GPA) of 2.0 or higher at Leeward Community College before they can petition the school to be re-certified to use their VA educational benefits.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at https://www.benefits.va.gov/gibill

3. Tuition and Fees

a) Financial Information

2026-2027 Tuition and Fees Schedule

All tuition and fee charges at the University of Hawai‘i (UH) campuses are subject to change in accordance with requirements of State law and/or action by the University of Hawai‘i Board of Regents or Administration.

	Resident	Non-Resident	Non-Resident Pacific Island Jurisdiction*
Tuition	$131.00 per credit	$345.00 per credit	$196.50 per credit
Tuition for 300-level courses	$318.00 per credit	$858.00 per credit	$477.00 per credit
Student Activities Fee	$0.52 per credit (up to a maximum of $5.20)	$0.52 per credit (up to a maximum of $5.20)	$0.52 per credit (up to a maximum of $5.20)
Student Government Fee	$0.98 (maximum $9.80)	$0.98 (maximum $9.80)	$0.98 (maximum $9.80)
Health Center Fee	$15.00	$15.00	$15.00
Board of Student Communication	$5.00	$5.00	$5.00

*Pacific Island Jurisdiction includes American Samoa, Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Republic of Palau, Republic of the Marshall Islands, Cook Islands, Futuna, Kiribati, Nauru, New Caledonia, Niue, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu, and Wallis.

Payments

All tuition and fees should be paid in full by the appropriate deadlines. Payment can be made online by echeck or debit/credit card (MasterCard, VISA or Discover only) or in person at the Cashier's Office by cash, check, cashiers check, travelers' check, or debit card.

Students who register at more than one UH campus should pay particular attention to payment deadlines as they may vary from campus to campus. Deadline information is available at each campus website or contact the Cashier's Office at the campus offering the course.

Installment Payment Plan (IPP)

Eligible registered students who cannot pay their tuition and fees in full by the published deadline will be able to sign up for an installment payment plan. There is a $30.00 fee each semester to participate in the payment plan. This fee is non-refundable and non-transferable. A missed payment fee will be assessed for late payments and is also non-transferable and non-refundable. Visit MyUH at myuh.hawaii.edu for the most current information regarding the Installment Payment Plan.

Financial Obligations

Students who have not met their financial obligations at any college in the University of Hawai‘i System (such as nonpayment of tuition and fees, traffic fines, library fines, loans, etc.) to the satisfaction of the University of Hawai‘i may be denied letters of verification or certification, registration, withdrawal, grades, transcript requests, graduation, diplomas, and other university services.

Enrollment at the University of Hawai‘i signifies consent to, and acceptance of, all policies and procedures governing enrollment including financial liability. Students who fail to clear all financial obligations in a timely manner may result in their account being sent to a collection agency. Students agree to pay the University of Hawai‘i all reasonable costs for collection, to include but not limited to collection agency, attorney's and court fees. The University of Hawai‘i also has the ability to submit an account to garnish state income tax refunds to offset financial obligations.

Copies of the delinquent financial obligation policy and procedures are available for inspection at the Office of the Dean of Student Services and the campus business office.

(Also see Policies for Financial Obligation)

Fees

Late Registration Fee

A $30.00 fee for late registration is charged when a student initially registers in a class(es) after the end of the regular registration period.

Credit by Institutional Exam Fee

Students will be assessed a fee in accordance with the University of Hawai'i policy for credits earned by institutional examination.

Portfolio Based Assessment

Students will be assessed additional tuition in accordance with the College's tuition schedule for credits earned.

Transcript Fee

Official transcripts may be requested from Leeward Community College for a fee of $5.00 per copy (plus additional online processing fees depending on the method of delivery requested).

Installment Payment Plan Fee

A $30.00 fee is charged when a student signs up for the optional IPP program. This once a semester fee is nonrefundable and nontransferable.

Non-resident Application Fee

Non-resident students applying to the college are required to pay a $25.00 nonrefundable, nontransferable application fee each time they apply.

Degree/Certificate Fee

A $25 non-refundable fee is required when a student elects to purchase a diploma and diploma cover when completing an Application for Graduation. Purchase of a diploma and diploma cover is not required to receive a degree/certificate from the College, but it is required if a student wishes to participate in the commencement ceremony.

Students may apply for degrees and certificates throughout the year, however, there is only one Commencement ceremony in May. Check the Student Life website for specific Commencement Ceremony deadlines.

Cap and Gown Fee

Students who participate in the Commencement Ceremony must purchase and wear a cap and gown. The cost will vary. Check the Student Life website for updates: http://studentlife.leeward.hawaii.edu/page/ceremony-information.

Fee for Dishonored Checks

A $25.00 service charge will be assessed for all returned checks of any cause. This includes electronic checks (echecks) returned for any reason. University departments reserve the right to refuse further check payments for any University receivable where three (3) or more checks have been returned for any reason.

Placement Test: Re-Test Fees

There is no charge for EdReady.

For Accuplacer, there is a re-test fee of $25 each time you elect to retake the test. All Placement re-tests will cost $25.00 per sitting.

Leeward students may be exempt from the $25 re-test fee if they have not taken a math course in 2 years or their placement scores are more than 2 years old.

Additional Expenses

Health Insurance

All international students (F-1 visa) are required to purchase a mandatory group health insurance plan. Student health plans are available through the college at special rates. Contact the Office of International Programs, (808) 455-0570, for more information.

Books and Supplies

Cost will vary according to courses taken and the student's major. Some courses are offered with Open Educational Resources (OER) and have no textbook cost. This information is included in the comments for classes during registration and listed as "TXTO".

Parking

No charge.

Catalog

The Catalog is sold at the Leeward CC Copy Center, GT 104 for a nominal fee, and is also available online at http://www.leeward.hawaii.edu/catalog in PDF format.

Non-Credit Course Fees

Students registered in non-credit courses pay fees as indicated by the Leeward CC Office of Continuing Education and Workforce Development or the English Language Institute.

b) Payment Procedures

Payments for tuition and fees can be made in full or in installments.

The procedures for Payment in Full are outlined below. For details on the Installment Payment Plan, please visit MyUH or go to https://www.hawaii.edu/myuhinfo/payment-faqs/

For Payment in Full: MyUH Online Payments

- Log in to your MyUH account at myuh.hawaii.edu
- Click on "Pay Tuition and Fees" or search for it.
- From here, follow the directions to make a payment.

Tuition and fee payments can be made by:

Online MyUH: Pay by echeck, debit/credit card (MasterCard, VISA, or Discover only).

Mail: Make checks payable to "University of Hawai‘i" and mail to: Leeward Community College, Cashier's Office, 96-045 Ala‘Ike; Pearl City, HI 96782

Mailed payments must be RECEIVED by the appropriate deadline. You should allow a minimum of 5 days for delivery prior to the deadline. Do not use Campus Mail. To ensure proper crediting to your account, use the Tuition Mail-In Remittance Form in the Schedule of Courses. Write your student ID number on the bottom left of the check. Improperly completed remittance forms and checks may be returned to you unprocessed and will not be posted to your account.

In-Person: Pay by cash, personal check, money order, cashier's check, travelers check, or debit card (no in-person credit card payment) at: Leeward Community College Cashier's Office, lower level of the Administration Building

National Service Trust/Americorp Recipients

Complete and submit your Americorp vouchers online at https://my.americorps.gov. The Financial Aid Office will certify your form. When payment is received, the Cashier's Office will post it to the student's account.

Army Reserve Tuition Subsidy

The 9th RSC has received approval for the Pacific Reserve Education Program (PREP). Take your approved Form DA2171 to the Cashier's Office at least 10 working days before the appropriate payment deadline. You are responsible for paying any remaining tuition and fees not covered by PREP. Contact your Army Reserve unit commander for more information.

National Guard Tuition Assistance

The Hawai‘i National Guard Tuition Assistance Program is a reimbursement program. At the end of each semester, the National Guard will reimburse Guard members directly for tuition. Please contact your unit commanding officer for further information. Students are responsible for paying all tuition and fees by the appropriate payment deadline.

Third Party Sponsor Scholarship Recipients

If your tuition is being paid by a third party sponsoring agency (e.g. World Health Organization, East-West Center, Alu Like, Vocational Rehabilitation, armed forces branch, State of Hawai‘i Department of Education, etc.), you are required to turn in the appropriate forms to each individual campus for which you are registering. The sponsoring agency must submit the appropriate forms to each individual campus you are registering for. Your account information will be displayed on the Review My Charges/ Make an Online Payment page. You are responsible to pay the remaining tuition and/or fees by the appropriate payment receipt deadline.

If the Cashier's Office does not receive a letter of financial guarantee, purchase order or authorization letter from you at least 5 working days prior to the appropriate payment deadline, you must pay for your own tuition and fees. When the sponsor sends payment for the tuition and fees, the University will process a refund. If you have questions or want to confirm that your sponsor has met University billing requirements, please call the Cashier's Office.

If the third party sponsoring agency does not make payment for your tuition for any reason after being billed by the University, you will be responsible for paying any unpaid balances on your student account. Failure to do so will result in sanctions for outstanding financial obligations being imposed on your student account.

Loan Deferments

Submit loan deferment forms to National Student Clearinghouse at 2300 Dulles Station Blvd, Suite 300, Herndon, VA 20171 after tuition and fees are paid.

Hope Scholarship and Lifetime Learning Tax Credits

The U.S. Congress established federal tax credits for qualified college tuition and related expenses under the Taxpayer Relief Act of 1997. Information about the Hope and Lifetime Learning tax credits as well as other education related tax credits can be found at https://manoa.hawaii.edu/records/tax_info.html or by contacting your tax advisor.

All students, except non-resident aliens, who attended a University of Hawai‘i campus during the 2020 calendar year and were billed for qualified tuition and related expenses from January 1 to December 31, 2020, will receive a 1098-T tax form electronically. This form will reflect amounts billed (not paid) for qualified tuition and related expenses and amounts paid for scholarship and grants during the 2020 calendar year.

The 1098T form will be available no later than January 31, 2021, as required by the Internal Revenue Service (IRS). This important tax document must have your current Permanent Address. Please update your Permanent Address on file at the Admissions and Records Office by either one of the following methods:

- By mail: Send a letter of the permanent address to Admissions and Records Office, 96-045 Ala‘Ike, AD-220, Pearl City, HI 96782
- In person: Request to fill out the "Student Data Change Form."

Note: You must provide your Social Security Number to the University. The Taxpayer Relief Act of 1997 requires the University to collect and use students' Social Security Numbers or Individual Taxpayer Identification Numbers (ITINs) to report qualified tuition and related expenses billed to students and scholarship and grant payments made to students to the IRS each year. All student information is protected under the Family Educational Rights and Privacy Act (FERPA).

c) Refund Policy

Refunds will be given for withdrawal from a course, change in status, or change from one tuition rate to another tuition rate according to the timelines established below. Separate refund schedules have been developed based on the way the course is offered.

Tuition and Fees Refund Regular 16-Week Courses

In the event a student initiates before the fourth week of instruction a complete withdrawal from the College, change from full-time to part-time status, or change from one tuition rate to another, if applicable, tuition and special course fees are refunded as indicated below:

100% tuition refund for complete withdrawal if made on or before the last day of late registration. All related fees will be refunded.

100% tuition refund for change of status (partial withdrawal) or change in tuition rate if made on or before the last day of late registration. Student fees are refunded if changes are made before the first day of instruction.

50% tuition refund for complete withdrawal, change in status or change in tuition rates if made after the late registration period but on or before the end of the third week of instruction. No related fees will be refunded.

0% refund if complete withdrawal, change in status or change in tuition rate is made beginning of the fourth week of instruction.

Student Fees Refunds

100% refund of Student Activities, Health Center and Board of Student Communication fees if a complete withdrawal is made on or before the last day of late registration. All fees will be refunded if partial withdrawal or exchange in registration is made before the first day of instruction. No fees will be refunded if withdrawal or change in status is made after the first day of instruction to last day of late registration.

Payment of Refund

Students should receive a refund within four weeks following the end of the 50% refund period (beginning of the fourth week of instruction.)

Special Courses Refund

Part-of-Term Courses

Part-of-Term (modular or accelerated courses) are offered for fewer than the regular 16 weeks and begin/end at different times in the semester. For refund information or withdrawal dates of specific part-of-term courses, visit http://www.leeward.hawaii.edu/part-of-term.

Summer Session

Refunds for Summer Session courses are determined by the elapsed instructional time as a percentage of the total instructional time for the course. For refund information or withdrawal dates of the respective summer session term, please check the schedule of courses or on the College's website.

Non-Credit Courses or Workshops

Refunds for courses and workshops offered through the Office of Continuing Education and Workforce Development will be permitted if the request is made at least five business days (Monday–Friday, excluding holidays) prior to the start of the course. Please allow 6-8 weeks for refunds.

For non-credit courses offered through the English Language Institute, students will receive 100% refund if withdrawal occurs before the start of classes. A 50% refund is available for the first three days of class. No refund thereafter.

Changes to Schedule of Courses Affecting Student's Schedule:

When changes by the College to the published Class Availability precipitate a change in the student's schedule (complete withdrawal/change from full-time to part-time status), and the changes to the published schedule have occurred after the student registered, tuition and special course fees are refunded upon approval of the Dean of Arts and Sciences or the Dean of Career and Technical Education.

d) Financial Obligations to the University

Students who have financial obligations (such as tuition and fees, IDAP book charges, traffic violations, parking tickets, unreturned library books, library fines, other fines, laboratory breakage charges, transcript fees, loans past due, rental payments, etc.) may be denied letters of verification or certification, grades, transcripts, diplomas, and registration.

Financial obligations not cleared will be sent to a collection agency. A copy of the Hawai‘i, Administrative Rules, Title 20, University of Hawai‘i, Chapter 10 on Delinquent Financial Obligations, promulgated by the Board of Regents, is on file in the Office of the Dean of Student Services and is available online at http://www.hawaii.edu/offices/bor/adminrules/chapter10.pdf.

4. Financial Aid

a) Financial Aid Application Process

Financial Aid Office

The mission of the Leeward Community College Financial Aid Office is to promote access to higher education and to support student success.

Several types of financial aid - federal, state, and institutional - are available to eligible students: grants, part-time employment (Federal Work Study), loans, and scholarships. All financial aid programs are subject to change due to legislative action or the availability of funds.

Federal awards are made without regard to age, gender, race, religion, or ethnic origin. Complete financial aid policies are available at the Financial Aid Office or through the financial aid website: https://www.leeward.hawaii.edu/finaid.

Hours:	Monday - Friday, 8:00 AM to 4:00 PM
Address:	Student Services Welcome Center
	96-045 Ala Ike, AD 201
	Pearl City, HI 96782
Phone:	(808) 455-0606
Fax:	(808) 455-8804
Email:	lccfao@hawaii.edu
Federal School Code:	004549

Financial Aid Application Process

How to Apply

Online at https://studentaid.gov/h/apply-for-aid

- Students (and their parents, if applicable) must have a StudentAid.gov account (formerly known as FSA ID). A StudentAid.gov account can be created at https://studentaid.gov/fsa-id/create-account/launch.
- Leeward CC's Federal School Code is 004549. Need assistance? Call us at (808) 455-0606.

Application Deadline

Early submission of the FAFSA (Free Application for Federal Student Aid) is highly recommended because many scholarship programs have a March 1 deadline. The priority deadline for filing a FAFSA at Leeward CC is March 1 preceding the school year for which financial aid is sought.

For more information on applying for aid, important dates, and deadlines, please visit: http://www.leeward.hawaii.edu/finaid

Basic Student Eligibility Criteria

The applicant must:

- demonstrate financial need for need-based federal student aid programs;
- be a U.S. citizen or an eligible non-citizen;
- have a valid Social Security number (with the exception of students from the Republic of the Marshall Islands, Federated States of Micronesia, or the Republic of Palau);
- be enrolled or accepted for enrollment as a regular student in an eligible degree or certificate program;
- be enrolled at least half-time to be eligible for Direct Loan Program funds;
- maintain satisfactory academic progress;

- sign the certification statement on the Free Application for Federal Student Aid (FAFSA ®) form stating that you are not in default on a federal student loan, you do not owe money on a federal student grant, and you'll only use federal student aid for educational purposes; and
- show you're qualified to obtain a college or career school education by:
    - having a high school diploma or a state-recognized equivalent such as a General Educational Development (GED) certificate;
    - completing a high school education in a homeschool setting approved under state law (or—if state law does not require a homeschooled student to obtain a completion credential—completing a high school education in a homeschool setting that qualifies as an exemption from compulsory attendance requirements under state law); or
    - enrolling in an eligible career pathway program and meeting one of the "ability-to-benefit" alternatives described below.

For more information on eligibility requirements, please go to https://studentaid.gov/understand-aid/eligibility/requirements#ability-to-benefit.

Documentation Requirements

In addition to submitting the FAFSA, students may also be required to submit additional documents to the Financial Aid Office for aid processing. The College verifies all financial aid applicants chosen for verification by the Federal processor. Students chosen for verification will be required to submit additional documentation.

Students must adhere to the deadlines required for document submission. Students who experience difficulties in completing documentation or verification requirements should contact the Financial Aid Office before the deadlines expire. Failure to provide the necessary documents can result in the termination of all financial aid benefits for the year.

Eligible Degree Programs/Courses

To receive aid, students must be a classified student in an aid-eligible associate degree or certificate program. If a student's degree program changes to an ineligible degree program after being offered aid, aid will not disburse, or the student will need to return aid. Please remember that financial aid can pay only for courses that apply to a student's degree or certificate program.

To view all eligible certificate programs, please go to https://www.leeward.hawaii.edu/finapply

Satisfactory Academic Progress (SAP)

In accordance with the U.S. Department of Education regulations, students enrolled at Leeward CC must be making satisfactory academic progress to be eligible for financial aid. Financial Aid Satisfactory Academic Progress Policy is separate and distinct from the institution's academic progress policy. All credits attempted in any semester of enrollment at the student's home campus, regardless of aid status, will be counted when calculating all measures of satisfactory academic progress. Financial aid calculations for GPA, as well as credits earned and attempted include all home campus and transfer coursework ever taken. Students' academic progress will be evaluated annually. For students placed on Probation and have Academic Plan requirements, satisfactory academic progress will be evaluated at the end of every term. For students in certificate programs that are less than 24 credits, academic

progress will be evaluated at the end of every term. These calculations may be different from what the student sees on their academic transcript. The minimum academic requirements and the student's current status can be viewed in their UH Student Dashboard.

To meet SAP, students must meet the following Qualitative and Quantitative Measures:

- Qualitative Measure (GPA) - maintain a minimum cumulative Financial Aid grade point average (GPA) of at least 2.0. For Financial Aid purposes, GPA is calculated by dividing the total points earned by the total credits attempted.
- Quantitative Measure (Pace & Timeframe)
    - (Pace) - successfully pass/complete at least 67% of all credits attempted (calculation will be rounded down to the nearest percent).
    - (Timeframe) - complete their degree program within 150% of the credits required for their degree program. All attempted credits previously mentioned will be applied toward a student's time frame. Students who are unable to complete their program and achieve minimum SAP standards by the end of their timeframe may be determined ineligible for financial aid.

For more information, please go to https://www.leeward.hawaii.edu/finpolicies and review SAP Policy.

Financial Aid Offer

The Financial Aid Offer is a conditional offer of financial aid for the academic year. The aid offer is based on student calculated financial need, enrollment level, living situation, and the availability of aid. Financial need is determined by subtracting the Student Aid Index (SAI) from the cost of attendance (COA), which includes tuition, fees, books, supplies, transportation, room, board, and miscellaneous personal expenses. The financial aid package offered may be a combination of gift aid (grants and scholarships) and self-help (loans or part-time employment).

The initial financial aid offer will generally be based on full-time enrollment (12 credits or greater) for an academic year (Fall and Spring semester) at Leeward CC, unless the recipient is planning to graduate at the end of the Fall semester, or entering in the Spring semester, or nearing maximum timeframe (SAP*). Aid offer will be adjusted for enrollment levels less than full-time. Changes in enrollment level (adding or dropping classes) after aid has been disbursed may require the financial aid office to recalculate the student's aid offer, and the student may be required to pay back to the aid program and/or have an outstanding obligation at the institution.

Financial aid recipients are required to inform the Financial Aid Office if they are receiving outside financial resources (all scholarships or financial resources not administered by Leeward Community College's Financial Aid Office). An adjustment to the award offer may be necessary to reflect the increase in resources.

Students always make the final decision to accept or decline any part of the financial aid offer.

For more information, please go to https://www.leeward.hawaii.edu/finpolicies and Financial Aid Offer Policies.

Disbursement of Aid

Financial aid will be applied electronically to outstanding registration charges approximately ten days prior to the first day of instruction for each semester unless the Aid Offer is finalized after the start of school or the student has any outstanding requirements. Any excess monies will be refunded to the student via paper check (sent through U.S. mail) or directly deposited into a designated bank account within ten business days from the date of disbursement. Students may sign up for electronic (eRefunds) through the UH Student Dashboard.

For more information, please go to https://www.leeward.hawaii.edu/finpolicies and review Disbursement Policy.

Withdrawing from School

Enrolled in all Full Term Courses (Instruction 15 weeks or greater)

- A student is considered withdrawn, if the student withdraws from all courses, or a student begins attendance and fails to earn a passing grade in at least one course over the entire term (known as an Unofficial Withdrawal). The student is subject to the Return of Title IV refund calculation as dictated by federal regulations.

Enrolled in a Modular/Part of Term Courses (Instruction less than 15 weeks)

- A student is considered to be a modular withdrawal if the student does not complete all the days in the semester (payment period or period of enrollment) that the student was awarded aid and the student is subject to the Return of Title IV refund calculation as dictated by federal regulations.

For more information, please go to https://www.leeward.hawaii.edu/finpolicies and review Return of Title IV Policy.

b) Federal Financial Aid

Federal Pell Grant: A grant for students with financial need pursuing their first bachelor's degree.

Federal Supplemental Education Opportunity Grant (SEOG): A grant for students with exceptional financial need enrolled for a minimum of 6 credits. Funding is limited.

Federal Work-Study: Wages earned through student employment. Available to students with financial need who indicate interest in the fund on the FAFSA. Students must enroll for a minimum of 6 credits. Funding is limited.

Federal Direct Students Loans: There are two federal fixed-rate loans. Both require students to enroll for a minimum of 6 credits; repayment begins 6 months after the student graduates or ceases to be enrolled in at least 6 credits.

- Federal Direct Subsidized Loan: A loan for students with financial need. Interest is subsidized by the U.S. Department of Education while the student is enrolled in at least 6 credits.

- Federal Direct Unsubsidized Loan: A loan that is not based on financial need. Interest begins to accrue from the time the loan is disbursed.

Federal Direct Parent PLUS Loan: A federal fixed-rate loan for parents of dependent students. Requires students to enroll for a minimum of 6 credits. Repayment begins 60 days after the second disbursement.

For more detail of our types of aid, visit: http://www.leeward.hawaii.edu/typesofaid

c) Institutional & State Financial Aid

Institutional Grants: There are several grants available to students with financial need who enroll for a minimum of 6 credits. Requirements may differ among the grants. Funding is limited.

Hawai‘i B Plus Scholarship: A state scholarship for recent Hawai‘i public high school graduates with financial need. Requires a minimum enrollment of 12 credits. Students must submit an official high school transcript that reflects a cumulative GPA of at least 3.0 and completion of a rigorous high school curriculum. Funding is limited.

Hawai‘i Promise Scholarship: A state scholarship for students with financial need who are pursuing their first bachelor’s degree. Students must be Hawai‘i residents, or qualify for an exempt status that pays in-state tuition and enrolled for a minimum of 6 credits. Funding is limited.

For more detail on our types of aid, visit: http://www.leeward.hawaii.edu/typesofaid

5. Academic Regulations

a) Student Classification

Classified Students: Students following a prescribed program leading to a degree or certificate.

Unclassified Students: Students who are not pursuing a degree or certificate.

Full-time Students: Students who carry 12 or more credits.

Part-time Students: Students who carry fewer than 12 credits.

b) Course-Load Limitations

No student may register for more than 18 credits in a given semester except:

1. A student who needs no more than one additional course to complete a degree or certificate and has a cumulative GPA of 3.0 or higher;
2. Students who have a cumulative GPA of 3.0 or higher;
3. A student registering for a package program that contains more than 18 credits may register for the full package.

Exceptions may be reviewed on a case-by-case basis and granted by a Counselor.

c) Attendance Policy

Students are expected to be in attendance regularly and on time for all classes, quizzes, examinations, laboratory and fieldwork sessions of the courses for which they are registered. Anticipated (as well as unexpected) absences should be discussed with the instructor. While instructors are concerned about students, it is the student's responsibility for arranging make-up work with the instructor.

d) Grades

Letter grades are given in all courses. Grades signify the various levels of achievement in carrying out the performance objectives of the course. Students will be informed of these criteria by the instructor who may use such methods as written papers, participation in class discussions, performance on assigned projects, and mid-term and final examinations. A grade change may be made within two years of the semester the course was completed. No grade changes will be made beyond the two year limit.

Grade	Grade Points	Definition
A	4.0	Excellent achievement
B	3.0	Above-average achievement
C	2.0	Average achievement
D	1.0	Minimal passing achievement
F	0	Less than minimal passing achievement (0 grade points and 0 credits awarded. Course computed in GPA)
CR	0	Credit awarded (No grade points assigned and not computed in GPA)
NC	0	No credit awarded (no grade points earned and not computed in GPA)
CE	0	Credit-by-Institutional Examination. Credit awarded for passing the examination with a "C" grade or higher (No grade points assigned and no credits computed in GPA)
PBA	0	Credit awarded via Portfolio-Based Assessment
W	0	Withdrawal from the course (No grade points assigned and no credits computed in GPA)
N	0	No grade assigned (No grade points assigned and no credits computed in GPA)
I	0	Incomplete coursework
L	0	Course was audited
P	0	Credit awarded
NP	0	No credit given
RD	0	Record Delayed - Not Submitted

"I" is used to indicate that the student has yet to complete a small but important part of the work for the course. It is given at the instructor's discretion. When an “I” grade is assigned by an instructor, a “contingency” grade is also assigned by them. The “contingency” grade represents the grade earned by the student without the submission of incomplete work. Work related to the "I" grade must be made up by the end of the 10th week of the following semester. For “I” grades assigned during Summer Session, work must be made up by the end of the 10th week of the following fall semester. If an instructor does not submit a final grade, "I" grades will revert to the "contingency" grade that was assigned by them at the time of final evaluation. "I" grades may not revert to a "W." An "I" grade, regardless of the contingency grade assigned, is considered non-completion of a course.

"CR" is used to indicate passing with a "C" or higher for courses taken under the Credit/No Credit option. It is also used to indicate credit for equivalency exams (e.g., AP, CLEP) and non-collegiate sponsored education.

"NC" is used to indicate not passing with a "C" or higher grade for courses taken under the Credit/No Credit option.

"W" is used to indicate formal withdrawal from a course after the first three weeks of the semester (or its equivalent in a shorter term course).

"L" is used to indicate that the course was audited by the student. No credit is given and no grade points are earned. The instructor will determine the extent of classroom participation required of the auditor.

"P" is used to indicate passing with a "C" or higher for courses taken under the Pass/No Pass option.

"NP" is used to indicate not passing with a "C" or higher for courses taken under the Pass/No Pass option.

Credit/No Credit Option

Students who wish to enroll in a class on a Credit/No Credit basis (rather than a letter grade) must declare this intent during registration but no later than the last day to withdraw from class.

- Students enrolled in a Certificate program may not use the CR/NC option to meet program requirements.
- Students in the Associate in Arts program may use the option for elective courses only.
- Students in the Associate in Science or Associate in Applied Science program may use the option only for electives that fall outside the major field of study (e.g. Arts and Humanities or Natural Science electives taken by a Business Technology major).
- No more than 12 credits may be taken on a CR/NC basis for any degree program.
- To earn a CR, students must pass the course with a grade of "C" or higher.

Students should be aware that some colleges, graduate and professional schools, employers, and some scholarship and fellowship awarding agencies may not recognize this option or may recalculate the "CR" as a "C" grade and the "NC" as an "F" grade. For example, the University of Hawai'i at Mānoa limits the CR/NC option to elective courses only; this option may not be used to meet any requirement for a Mānoa degree (with the exception of those courses offered for mandatory CR/NC). Therefore, it is imperative that students who select this option exercise careful educational planning. If in doubt, take a course for a regular letter grade and not for CR/NC.

The CR/NC option should not be confused with the CR grade awarded for transfer of equivalency exams, non-collegiate sponsored education credits, and back-language credits. These credits may be applicable to core/program requirements, while the CR/NC option is limited to elective courses only.

Grade Point Average

Grade point average (GPA) is a system used to evaluate the overall scholastic performance of college students. The GPA of a student is computed by dividing the total number of his/her grade points by the total number of course credits for which the student received the grades of A, B, C, D, or F.

The grade points a student earns for a course are computed by multiplying the number of credits that the course is worth by the grade points assigned to the grade that the student receives for the course (i.e., 4 for A, 3 for B, 2 for C, 1 for D, and 0 for F). Courses for which the grades of CR, NC, CE, W, N, I, and L have been recorded are not included in the computation of the GPA. Effective Spring 2009, the N grade will be an option in a limited number of courses.

Grade Point Average When Courses Are Repeated

For repeated courses taken during or after Fall 1997, only the grade for the most recent repeat of the course shall be used to determine the Grade Point Average. Only the course grades of A, B, C, D, or F shall be used for this purpose. Courses that may be repeated for credit are not included in this policy.

Students who intend to transfer are reminded that many colleges and universities do not permit the substitution of the most recent grades when computing grade point averages and will compute the GPA according to their own standards.

Manual recomputation of GPA for certain purposes when courses have been repeated

The GPA will not be recomputed for any course repeated exclusively before Fall 1997. However, the GPA for students with such courses will be manually recomputed as necessary for the following designated purposes:

1. Determining eligibility for graduation and the Dean's List
2. Determining outstanding scholar recognitions at graduation
3. Confirming election to honor societies or organizations
4. Other special purposes as designated by the Dean of Student Services

These manually-computed GPAs will not be indicated on official transcripts.

Grade Reports

Grades are posted in each student's MyUH and STAR account at the end of each term. Students are responsible for reporting errors to the Records Office within seven days.

e) Academic Honors - Phi Beta Lambda

Phi Beta Lambda

Phi Beta Lambda (PBL) is a professional business association serving postsecondary students nationwide and abroad and helps future business leaders convert their ambitions and abilities into financial success and professional recognition. Leeward's chapter, Eta Beta Epsilon, is one of more than 7,000 chartered chapters of Future Business Leaders of America/Phi Beta Lambda (FBLA/PBL) throughout the United States, Puerto Rico, the Virgin Islands and Europe.

Organizational goals include:

- promoting competent, aggressive business leadership
- understanding American business enterprise
- establishing career goals

- encouraging scholarship and promoting school loyalty
- promoting sound financial management
- developing character and self-confidence
- facilitating the transition from school to work

Advisor: Riend Vidad, rien@hawaii.edu

f) Academic Honors - Dean's List

Dean's List

The purpose of the Dean's List is to recognize students who maintain outstanding academic records at Leeward Community College (CC). It is compiled for each Fall and Spring semester. Only credits and grades earned for Leeward Community College courses will be used in determining Dean's List eligibility.

A student will be named to the Dean's List if all of the following requirements are met:

1. Has a cumulative grade point ratio of 3.8 or higher (on a 4.0 scale) for all coursework numbered 100 or above completed at Leeward CC.
2. Has successfully completed a minimum of 24 credits of coursework for a letter grade ("A" - "D" only) at Leeward CC, exclusive of courses numbered below 100 in English, ESL, Mathematics, Reading and Learning Skills, with a cumulative grade point ratio of 3.8 or higher for those 24 credits of coursework. For non-vocational students, below 100-level courses will not count towards the minimum 24 credits.
3. Has been assigned the grade of "W," "N" or "NC" for no more than a total of 4 courses at Leeward CC, regardless of whether those courses are numbered below or above 100 and regardless of whether any of those courses were repeated.
4. Has successfully completed at least 6 credits numbered 100 or above for letter grade with a current grade point ratio of 3.0 or higher during the semester for which the student qualified to be named to the Dean's List.
5. When an "I" (incomplete) grade is assigned to a student at the end of the semester, the "contingency" grade submitted by the instructor will be used to determine eligibility for the Dean's List.

In determining a student's eligibility for the Dean's List, or whether the student meets the requirements above, any course repeated by the student shall be counted only up to the maximum number of credits that the applicable course description in the Leeward CC Catalog specifies that the course may be repeated for credit.

If a course description in the Catalog states that a course may be repeated for additional credit but fails to specify the maximum number of credits for which the course may be repeated, the course shall be treated as if it may be repeated only once for additional credit.

If a course description in the Catalog does not state that a course may be repeated for additional credit, the course, if repeated, shall be counted only once for purposes of this policy and only in terms of the grade and credits earned the first time it was successfully completed.

In all cases where a student has repeated a course in excess of the maximum number of times or the maximum number of credits allowed or specified by the applicable course description in the Catalog, that course (for purposes of determining eligibility to the Dean's List) shall be counted in the order it was repeated successfully but only up to the maximum number of times or the maximum number of credits for which the course could have been validly repeated for credit.

A student must qualify for the semester's Dean's List based on the student's total academic or transcript record to date at Leeward CC, including the student's semester grades for that particular semester as submitted to the Admissions and Records Office by the applicable end-of-semester deadline for the submission of semester grades. A student will not be named retroactively to the Dean's List based on any change of grade submitted after the applicable end-of-semester deadline.

Students named to the Dean's List will be informed in writing by the Office of the Vice-Chancellor. If a student believes that he/she should have been named to the Dean's List but was not, the student is encouraged to make a timely inquiry to the Dean of Student Services or designee.

g) Academic Honors - Phi Theta Kappa Honor Society

Phi Theta Kappa Honor Society

Phi Theta Kappa is an international honor society founded in 1918 for outstanding community, technical, and junior college students. Leeward CC 's chapter, Alpha Lambda Gamma, is one of over 1,300 chapters in the United States, Canada, and abroad.

PTK members have opportunities to:

- meet and socialize with interesting people outside of the classroom setting
- be recognized for their academic achievements at various campus activities and functions during the year and at the commencement ceremony
- take advantage of the scholarships and tuition waivers designated only for members.

To be eligible for membership in Alpha Lambda Gamma, a student must:

1. have a cumulative 3.50 GPA at Leeward CC, based on at least 12 credits in 100-level or higher courses and less than 15% "W" grades
2. be enrolled at Leeward CC in at least one for-credit course during the semester of his/her induction into the chapter

Those who do not meet all these membership requirements (such as recent high school graduates or transfer students) may still join the Society as provisional members. Once inducted, members must maintain a cumulative GPA of not less than 3.0 while enrolled at Leeward CC.

At the beginning of the fall and spring semesters, eligible students are mailed an invitation to join Alpha Lambda Gamma.

Lead Advisor: Michael Bauer, mbauer@hawaii.edu, (808) 455-0310.

h) Academic Honors - Honors Program

Honors Program

To graduate with academic honors, students must first apply and be accepted into Leeward's Honors Program. This program is open to all qualified students in all degree and certificate programs at Leeward CC. Students who graduate with academic honors will have this designation inscribed on their diplomas or certificates, as well as in their transcripts. Additionally, Honors students have the right to wear the Honors hood at commencement and are recognized for their accomplishments during the ceremony. To graduate with academic honors, students must be accepted into the Leeward CC Honors Program, must meet all degree and/or certificate requirements, take one Honors colloquium, and graduate with a 3.5 or higher cumulative grade point average. Students cannot be named retroactively to Leeward's Honors Program. Also, honors cannot be inscribed retroactively on diplomas, certificates, and/or transcripts.

Entrance requirements at the time of application are:

- Completed at least 12 college-level credits (i.e., courses numbered 100-level and higher) from Leeward CC
- A 3.5 cumulative GPA or higher at Leeward CC
- A completed Honors Application
- A completed Faculty Recommendation Form from a previous Leeward CC instructor

For more information and to apply online go to: **https://goo.gl/jRHtpm**

You may also contact the Leeward CC Honors Program Coordinator, Michael Oishi, mtoishi@hawaii.edu; FA-117; (808) 455-0628.

i) Unsatisfactory Academic Progress (UAP) Policy

Students must maintain satisfactory academic progress with a cumulative GPA of 2.0 or higher. Those not meeting this requirement may be placed on academic warning, probation, suspension, or dismissal.

- **Academic Warning:** Assigned if a student's cumulative GPA falls below 2.0 for a term. The student returns to good standing if they earn a 2.0+ cumulative GPA in the next term. The student stays on warning if the cumulative GPA remains below 2.0, but the term GPA is 2.0 or higher.
- **Academic Probation:** If a student on warning earns a term GPA below 2.0, they move to probation. Meeting a 2.0+ cumulative GPA restores good standing; otherwise, probation continues. Students must meet with a counselor.
- **Academic Suspension:** If a student on probation earns a term GPA below 2.0, they are suspended for one term and dropped from registered classes with a full refund. After suspension, students may reapply for admission under "Probation after Suspension" status and must meet with a counselor before enrolling.
- **Academic Dismissal:** If a student on "Probation after Suspension" earns a term GPA below 2.0, they face dismissal and cannot enroll for two consecutive terms. After dismissal, students may reapply under "Probation after Dismissal" status.

- **Permanent Dismissal:** If a student on "Probation after Dismissal" fails to earn a 2.0+ term GPA, they are permanently dismissed and cannot reapply.

Students suspended or dismissed may appeal within 10 days of notification. Academic actions remain on transcripts, and students making unsatisfactory progress are ineligible for graduation until their GPA meets the 2.0 requirement.

Learn more by clicking here.

j) Repetition of Courses

Under University of Hawai'i Executive Policy 5.233, the **Aligned Course Repeat** policy provides a consistent framework for grade replacement and credit awards across the UH System. This policy allows students to repeat a course to improve their academic standing, using the **highest grade earned** at that specific campus to calculate the cumulative Grade Point Average (GPA).

Key Provisions

- **Grade Replacement:** For non-repeatable courses, only the highest grade is factored into the campus GPA, and credit is awarded only once. While all attempts remain on the official transcript, previous lower grades are excluded from the institutional GPA calculation.
- **Attempt Limits:** Students may repeat a course up to two times (for a total of **three attempts**) at the same campus for the purpose of grade replacement. Note that "Withdrawal" (W) grades do not count as attempts under this policy.
- **Grading Mode:** To qualify for grade replacement, the repeated course must use the same grading mode as the original attempt (e.g., a Letter Grade cannot be replaced by a Credit/No Credit option).
- **Transfer & Exam Credit:** * **Transfer Credit:** If a student fails to earn credit at a UH campus, they may earn that credit via transfer from another institution; however, transfer grades are not factored into the UH campus GPA.
- **Special Designations:** Writing Intensive (WI) courses may be repeated for a higher grade, but they will only fulfill **one** WI graduation requirement.

Important Note: While the UH institutional GPA reflects the highest grade earned, external agencies—such as financial aid providers, Veterans Affairs, and certain professional graduate programs—may factor all attempts into their own independent evaluations.

Students are strongly encouraged to consult with an academic advisor to discuss how repeating a course may affect degree progress, financial aid eligibility, or other benefits. For more details and a list of Frequently Asked Questions (FAQs), please visit the official Aligned Course Repeat Policy webpage.

k) Withdrawal

This policy outlines the different types of course withdrawal at Leeward Community College and the procedures students must follow.

1. Student-Initiated Withdrawal

- Students must initiate withdrawals through their STAR GPS account by the published deadlines.
- If a student withdraws after the erase period but before the withdrawal deadline (end of the 10th week for semester-long courses), they will receive a grade of **"W"**.
- Failure to officially withdraw may result in a grade of **"F"** and full responsibility for tuition and fees.
- Deadlines for refunds, the erase period, and withdrawals are published in:
    - Class Availability
    - Academic Calendar
    - Part-of-Term Calendar

2. Administrative Withdrawal

The College may initiate an administrative withdrawal only in the following situations:

- **Canceled Courses:** If a course is canceled, students will be notified by email, dropped from the course, and issued a full tuition refund.
- **Failure to Meet Prerequisites:** Per Policy L5.190, students who fail to meet prerequisites will be dropped and issued a full tuition refund.
- **Participation Verification:** Per Executive Policy 7.209, students who fail to establish attendance during the late registration period may be dropped from the course and co-requisites or future courses dependent on it.

More on Participation Verification

3. Complete Withdrawal from the College

- Students wishing to withdraw from all courses must complete the process through STAR GPS.
- Withdrawal after the erase period results in **"W"** grades for all courses.
- Financial responsibilities remain unless withdrawals occur before the refund deadline.

4. Key Deadlines and Refund Information

- **Erase Period:** No record on the transcript.
- **Withdrawal Period:** Ends the 10th week for semester-long courses; results in a **"W"** grade.
- **Refund Deadlines:** Published each semester in the Academic Calendar.

I) Erase Period

The first three weeks of the semester (or its equivalent as determined by the appropriate academic Dean for part of term courses) is called the "erase period". Students who officially withdraw from a course during this period will have no grade or record of the course on their permanent academic record. Erase periods are published each semester online at www.leeward.hawaii.edu/academic-calendar.

m) Credit for Prior Learning

Leeward Community College's Credit for Prior Learning (CPL) Program is designed to recognize and credit the valuable knowledge and skills that students acquire through life and work experiences. Community college students often bring diverse backgrounds and expertise to the classroom, and the CPL Program offers a pathway to convert those experiences into college credit. Whether proficiency has been gained through previous coursework, standardized exams, or real-world experiences, CPL provides an opportunity to demonstrate learning and potentially earn credits toward a degree. Participating in CPL can help students expedite their academic journey, save time and money, and achieve their educational goals more efficiently.

To begin the process, students are encouraged to schedule a counseling appointment and inquire about CPL options. For further assistance, the CPL Coordinator, Michele Mahi (mhamada@hawaii.edu), is available to provide support. Counselors and the CPL Coordinator guide students through the process by helping identify relevant learning experiences, select appropriate courses, and facilitate the attainment of college credit.

n) Auditing Courses

Students are permitted to audit classes and may select that grading option when registering for a class. Audited courses do not earn credits or grades; however, regular tuition and fees are charged and must be paid by auditors. Instructors of audited courses will determine the extent of classroom participation required of the auditor. Auditors are not usually allowed in laboratory science, vocational/technical, mathematics, elementary and intermediate languages, English composition, speech or classes in which the auditor might take the place of credit students.

o) Graduation Policy

Leeward Community College establishes graduation requirements that align with UH System policies while incorporating campus-specific standards.

- **GPA Requirement:** To graduate, students must have a **minimum cumulative GPA of 2.0** in both (1) all courses used to meet program requirements and (2) courses taken at Leeward CC. Some programs may have additional requirements.
- **Catalog Year Requirement:** Students must meet the degree requirements outlined in the catalog from their most recent admission or any subsequent catalog during continuous enrollment. Those who take a break in enrollment must follow the requirements in effect when re-enrolling unless an exception is granted.
- **Verification Process:** College personnel confirm that students meet all GPA and program-specific requirements before awarding degrees or certificates. In some instances, exceptions may be granted through delegated authority.

For more information, go here.

p) Academic Honesty

Leeward Community College's integrity relies on a foundation of academic honesty, which is built on the principles of independent learning and research. The College will not tolerate academic dishonesty, which undermines these principles. Cheating and plagiarism are forms of academic dishonesty that breach the University of Hawai'i's Student Conduct Code. Engaging in these activities can lead to severe consequences, including suspension or expulsion.

Cheating includes but is not limited to giving unauthorized help during an examination, obtaining unauthorized information about an examination before it is administered, using inappropriate sources of information during an examination, altering the record of any grades, altering answers after an examination has been submitted, falsifying any official University record, and misrepresenting the facts in order to obtain exemptions from course requirements.

Plagiarism includes but is not limited to submitting any document, to satisfy an academic requirement, that has been copied in whole or part from another individual's work without identifying that individual; neglecting to identify as a quotation a documented idea that has not been assimilated into the student's language and style, or paraphrasing a passage so closely that the reader is misled as to the source; submitting the same written or oral material in more than one course without obtaining authorization from the instructors involved; or dry-labbing, which includes (a) obtaining and using experimental data from other students without the express consent of the instructor, (b) utilizing experimental data and laboratory write-ups from other sections of the course or from previous terms during which the course was conducted, and (c) fabricating data to fit the expected results. Plagiarism also includes submitting work generated in whole or in part by artificial intelligence tools (e.g., ChatGPT) without appropriate attribution or instructor authorization.

For more information, refer to the following policy:

EP 7.208 Systemwide Student Conduct Code

q) Student Conduct Code

All University of Hawai'i students must conduct themselves appropriately on campus and at college-related events in order to maintain the safety and well-being of all. The University of Hawai'i's Systemwide Student Conduct Code outlines how students are expected to conduct themselves as a part of our educational community. Students who fail to uphold this Code and who engage in behavior prohibited by it may be subject to disciplinary action.

All students should read the University of Hawai'i Systemwide Student Conduct Code, EP 7.208 (link) in addition to Leeward Community College's Student Conduct Code Procedures (link).

Hardcopies may be obtained at the Dean of Student Services' Office.

r) Academic Rights and Freedom of Students

Leeward Community College embraces those aspects of academic freedom that guarantee the freedom to teach and the freedom to learn. Free inquiry and free expression for both students and faculty are indispensable and inseparable.

Students at Leeward Community College are encouraged to develop their capacity for critical judgment and engage in an independent search for truth. As members of an academic community, they have the right to express their views and explore ideas freely. The college also guarantees students the freedom of silence; no student is required to participate in research or express opinions unless they choose to do so.

In this spirit, Leeward Community College is committed to maintaining an environment where respectful dialogue and academic integrity thrive, supporting the growth and success of all students.

For more information on the principles that guide academic freedom and professional conduct, please refer to UHCC Policy 5.211 Statement on Professional Ethics.

s) Student Complaint Process

Leeward Community College recognizes its responsibility to provide students with an informal process for addressing students' complaints about faculty conduct that is not protected by academic freedom and is not covered by other procedures. Examples might include ineffective or inefficient service (i.e., not replying to email inquiries after one week), or neglect of duty (i.e., not holding office hours, not returning a graded assignment/exam before the next similar assignment/exam is due, not having an up-to-date gradebook). To address this possible problem, below are the steps students should take to resolve such issues.

A student must make reasonable attempts to learn the course material. Instructors have the authority to conduct classes, facilitate discussions, assign tasks or projects, administer assessments, and evaluate students. Students are responsible for following the instructor’s policies and procedures as written in the course syllabus, but shall also be protected against unfair practices.

Students can refer to Leeward CC’s Student Academic Grievance Policy and Procedure for consistent and equitable resolution of complaints about course grades.

Step 1:

A student must first make reasonable attempts to discuss the matter and achieve a remedy with the faculty member involved. The faculty member must be afforded the opportunity to initially handle these matters before the complaint proceeds to the next level.

Note: Beginning at this level, the student should maintain a record of evidence, documenting meeting discussions, dates, and times.

Step 2:

If the student believes the matter has not been satisfactorily resolved with the faculty member after a reasonable amount of time and effort, the student may contact the appropriate Division Chair (DC).

Students can identify which courses fall under each division by viewing the Leeward Community College Areas of Interest page.

Division:	Chair:	Office:	Phone	Email:
Arts & Humanities	Susan Lum	FA 111	455-0351	susanlum@hawaii.edu
Business	Tina Lee	BE 213	455-0345	tinaplee@hawaii.edu
Language Arts	Michele Mahi	LA 201A	455-0330	mhamada@hawaii.edu
Mathematics & Natural Sciences	William Albritton	BS 106A	455-0252	walbritt@hawaii.edu
Professional Arts & Technology	Irwin Yamamoto	GT 112	455-0513	iyamamot@hawaii.edu
Social Sciences	Corey Adler	FA 222	455-0527	cadler@hawaii.edu
Student Services	Lexer Chou	AD 229	455-0248	achou@hawaii.edu
Waiʻanae Moku	Danny Wyatt	101C	454-4704	dwyatt@hawaii.edu

The DC has the right to determine what is the most effective and efficient approach to resolving the matter. The DC may contact appropriate faculty members, including the Program Coordinator/Discipline Coordinator.

Should the faculty member involved in Step 1 be the DC, the student should present their unresolved matter directly to the Chair of the Division Personnel Committee (DPC)/Faculty Personnel Committee (FPC). The student should inquire with the appropriate division/unit as to the identity and contact information for the current DPC/FPC Chair.

Step 3:

After 14 business days of initiating Step 2, the student may contact the appropriate Dean if the matter remains unresolved.

Academic Deans:		**Office:**	**Phone:**	**Email:**
Academic Services	Leanne Riseley	DHP	455-0440	leannech@hawaii.edu
Arts & Sciences	Michelle Igarashi	AD 101B	455-0668	migarash@hawaii.edu
Career & Technical Education	TBD	TBD	TBD	TBD
Student Services	Kami Kato	AD 227	455-0260	kamik@hawaii.edu

Step 4:

After 14 business days of initiating Step 3, the student may contact the Vice Chancellor for Academic Affairs if the matter remains unresolved.

Vice Chancellor for Academic Affairs	Keala Chock	AD 108	455-0453	keala.chock@hawaii.edu

t) Student Academic Grievance Procedures

2.1 The Resolution of a Student Appeal of the Assignment of Course Grades
A student who seeks to appeal the assignment of a course grade may initiate action to achieve a remedy. The actions available are outlined herein and must be initiated within 45 calendar days once grades are posted. Exceptions can be made if students experienced extenuating circumstances.

A. **Report of a Student Appeal of a Course Grade**
   1. **Step 1**: A student who seeks to appeal the assignment of a course grade must first make every reasonable attempt to discuss the matter with the faculty member involved. The faculty member must be afforded the opportunity to initially handle these matters before the

grievance progresses to the next level. (If approached, administrators, division chairs, counselors, fellow faculty and staff shall immediately redirect the student to the closest possible level of resolution; i.e., to the faculty member involved.)

2. **Step 2**: Failing to resolve the matter with the faculty member, the student should report the matter in writing to the faculty member's Division Chair (DC), including the facts as the student perceives them (e.g., course, semester, instructor's name, semester grade, and description of why this grade was received based on the instructor's grading system), specifying the remedy sought, and outlining the faculty member's response, if any, to the consultation at Step 1. Should the faculty member involved in Step 1 be the DC, the student should present his/her unresolved report directly to the Chair of the Division Personnel committee (DPC). Such discussion should be initiated with the DC/DPC within fourteen (14) business days after the final scheduled discussion at Step I with the faculty member involved. The DC/DPC may meet separately with the student and the faculty member, or if both agree, to discuss the report jointly. The DC will also remind the contesting parties of their responsibility to familiarize themselves with the written grievance procedures. Within fourteen (14) business days of receipt of the student's report, the DC/DPC shall complete any consultation and shall notify the faculty member and the student in writing of his/her conclusion(s) and recommendation(s), including a finding of "no merit" at this or any other subsequent level of review. A determination of "no merit" by the DC/DPC may, in effect, end the appeal unless the student insists on proceeding to Step 3 - Contacting the Chairperson of the Şenate Student Affairs Committee for a Review by the AGC Committee. In such a case, the DC/DPC may advise the student if the finding of a different outcome is unlikely. The student should inquire at the appropriate Division Office as to the identity and contact information for the current DPC chair.
   The student has the right to be assisted by an advisor of her/his choice. The advisor may be a member of the Leeward Community College community and cannot be an attorney. The student is responsible for presenting her/his own information, and therefore, the students' advisor is not permitted to speak during, or to participate directly, in any meetings with the DC/DPC or potential subsequent AGC Hearing. The student should select as an advisor a person whose schedule allows attendance at the scheduled date and time for the AGC Hearing because delays will not normally be allowed due to the scheduling conflicts of an advisor.
3. **Step 3**: See below.

B. **Written Academic Grievance**

1. Step 3: Failing to achieve satisfactory resolution of an appeal of a final grade at the DC (DPC Chair) level, the student may file an academic grievance, in writing, with the Chairperson of the Senate Student Affairs Committee. Such filing must be received within fourteen (14) business days after the student has received written notification from the DC (DPC Chair) regarding the resolution of the student's complaint.
2. The student's written academic grievance shall contain all information previously provided in the student's complaint to the DC (DPC Chair) as well as a copy of the DC's (DPC Chair's) written notification to the student regarding the disposition of his/her complaint.
3. The faculty member also will receive written notification regarding the disposition of the complaint from the DC (DPC Chair). (SEE: A.2 above)

For more information, click here to view the full policy.

u) Discrimination Complaints Policy

Discrimination against students, employees, and applicants for admission or employment as articulated in the Policy on Nondiscrimination is prohibited and will not be tolerated by Leeward Community College.

Discrimination complaints will be processed using the University's Administrative Procedure AP 1.202 (http://www.hawaii.edu/policy/docs/temp/ap1.202.pdf), Discrimination Complaint Procedure for Students, Employees, and Applicants for Admission or Employment.

Complaints of discrimination may be addressed to:

Students:

Leanne Riseley, Dean of Academic Services
Leeward Community College
96-045 Ala'Ike, LC-301B
Pearl City, Hawai'i 96782
Phone: (808) 455-0268

College Employees (to include student employees):

Lori Lei Hayashi, EEO Coordinator
Leeward Community College
96-045 Ala'Ike, AD-121
Pearl City, Hawai'i 96782
Phone: (808) 455-0277

Complaints of discrimination may also be filed at: https://report.system.hawaii.edu/eeo

v) Sex Discrimination and Gender-Based Violence - Title IX

The University of Hawai'i is committed to maintaining and promoting safe and respectful campus environments that are free from sex discrimination and gender-based violence. This includes:

- Sex Discrimination
- Sexual Harassment
- Gender-Based Harassment, including harassment based on actual or perceived sex, gender, sexual orientation, gender identity or gender expression
- Sexual Exploitation
- Sexual Assault
- Domestic and/or Dating Violence
- Stalking

Conduct of this nature constitutes illegal discrimination as set forth in Title IX of the Education Amendment of 1972, relevant sections of the Violence Against Women Reauthorization Act of 2013, Title VII of the Civil Rights Act of 1964, and Hawai‘i laws that prohibit discrimination on the basis of sex, sexual orientation and gender identity.

Any person believing that they have been subjected to any of the above should report the prohibited behavior immediately to one of Leeward CC's Title IX Coordinators. Retaliation against anyone who has reported this type of conduct or who participates in any resolution process is strictly prohibited.

Title IX Coordinator: Thomas Hirsbrunner
Leeward Community College
96-045 Ala‘Ike, AD-122
Pearl City, HI 96782

Email: hirsbrun@hawaii.edu
Phone: (808) 455-0478

Deputy Title IX Coordinator for Employees: Lori Lei Hayashi

Leeward Community College

96-045 Ala‘Ike, AD 121

Pearl City, HI 96782

Email: lhayashi@hawaii.edu

Phone: (808) 455-0657

Deputy Title IX Coordinator for Students: Heather Takamatsu

Leeward Community College

96-045 Ala‘Ike, AD 214

Pearl City, HI 96782

Email: haihara@hawaii.edu

Phone: (808) 455-0443

Deputy Title IX Coordinator for Wai‘anae Moku: Danny Wyatt
Leeward Community College

87-380 Kulaaupuni St.
Wai‘anae, HI 96792

Email: dwyatt@hawaii.edu

Phone: (808) 454-4702

In addition, the following confidential resources are available to students who may wish to make a confidential disclosure in order to gain confidential information or support:

Please call for the most updated hours of availability.

Mental Health Service
Lori Lum, Licensed Mental Health Counselor

Mental Health Services

Pearl City Campus
Phone: (808) 455-0516

Email: leetalk@hawaii.edu

Website: www.leeward.hawaii.edu/mentalhealth

Leeward CC Student Health Center

Shari Imanaka, RN

Sharon Hiu, MD
Pearl City Campus, AD 122
Phone: (808) 455-0515
Website: www.hawaii.edu/shs/lcc

Leeward CC Wai'anae Moku
Telehealth appointments available upon request.

Veterans Resource Center
(Veterans Only)
Pearl City Campus, BS 103
Phone: (808) 455-0672
Website: http://www.leeward.hawaii.edu/military

Complete information on all Title IX resources:
http://www.leeward.hawaii.edu/TitleIX
http://www.leeward.hawaii.edu/lovepono

For more information and for a complete copy of the University of Hawai'i policy prohibiting sex discrimination and gender-based violence (Interim Policy EP1.204), please visit http://www.hawaii.edu/titleix.

Resources and procedures for Sex Discrimination and Gender-Based Violence can be found online: www.leeward.hawaii.edu/TitleIX

w) Nondiscrimination Policy

Leeward Community College, as part of the University of Hawai‘i System, reaffirms its commitment to equal education and employment opportunity. The College prohibits any form of discrimination or harassment against students, employees, or applicants for admission or employment based on protected characteristics.

In accordance with Executive Policy EP 1.202 (Nondiscrimination and Equal Opportunity Policy), the University of Hawai‘i complies with all applicable federal and state statutes, rules, regulations, and collective bargaining agreements that prohibit discrimination. These protections cover but are not limited to discrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin, ancestry, citizenship, disability, genetic information, marital status, pregnancy (including childbirth, pregnancy-related medical conditions, and lactation/breastfeeding), arrest and court record (except as permissible under State law), sexual orientation, National Guard participation, status as a protected veteran or other military status, and status as a victim of domestic or sexual violence.

This policy applies to all aspects of the University’s programs and activities, including admissions, access, treatment, and employment. The University strictly prohibits retaliation against any individual for filing a complaint, participating in an investigation, or otherwise opposing discriminatory practices.

The University of Hawai‘i is committed to maintaining a community that fosters understanding, mutual respect, and the dignity of all individuals. Diversity among our campus community members enriches campus life, promotes creativity, and supports the exchange of ideas. Discrimination, harassment, and retaliation undermine these values and are not tolerated.

The University also affirms its commitment to implementing reasonable accommodations, as required by law, for individuals with disabilities, individuals with sincerely held religious beliefs or practices, individuals who are pregnant or breastfeeding, and individuals who are victims of domestic or sexual violence.

For more information, refer to Executive Policy EP 1.202, Nondiscrimination and Equal Opportunity Policy: http://www.hawaii.edu/policy/docs/temp/ep1.202.pdf

In addition, employees and applicants for employment are protected under Title IX, Title II, and Section 504 of federal law.

Individuals designated to coordinate the University of Hawai‘i Community Colleges' nondiscrimination action programs are:

Lori Lei Hayashi
EEO/AA Coordinator
Leeward Community College
96-045 Ala‘Ike, AD 121
Pearl City, Hawai‘i 96782
Phone: 808-455-0277

Leanne Riseley
Dean of Academic Services
Section 504 and Title II Coordinator
Leeward Community College
96-045 Ala'Ike, LC 301B
Pearl City, Hawai'i 96782
Phone: 808-455-0268

Thomas Hirsbrunner
Title IX Coordinator
Leeward Community College
96-045 Ala'Ike, AD 122
Pearl City, Hawai'i 96782
Phone: 808-455-0478

x) Safe Zone

In light of Leeward Community College's commitment to the University of Hawai'i's policy of equal education and employment opportunity and to the principles and practices of nondiscrimination including sexual orientation, gender identity, and expression, the Safe Zone program was established.

The Safe Zone Program's objective is for trained participants to utilize their gained knowledge and skills to foster a safe and inclusive community for LGBTQ+ students, faculty, and staff to promote social justice in the University of Hawai'i System. Upon completion of a Safe Zone Training, participants will be invited to become Advocates in the University of Hawai'i System Safe Zone Program.

Any office or faculty/staff member displaying a Safe Zone poster has identified themselves as an ally. Those displaying a Safe Zone poster with an advocate sticker have identified themselves as an advocate.

To view a listing of allies and advocates: https://docs.google.com/spreadsheets/d/1WvApSvvDmrvqJmXOiNAtoYDYyU7OR0kI/edit#gid=1407561679

For more information: http://www.leeward.hawaii.edu/lgbtq-plus

The Safe Zone program recognizes Leeward Community College's Rae Watanabe, Assistant Professor in English and the late Joan Souza, former Leeward Community College Counselor, for creating the initial safe zone program that is now embraced system-wide.

y) Administrative Disenrollment for Failed Prerequisites

Leeward Community College enforces an **Administrative Disenrollment Policy** to ensure students meet prerequisite requirements before progressing in their courses.

- **Disenrollment Process:** The Registrar's Office will **remove students from courses** if they fail to meet a prerequisite after enrolling with an in-progress prerequisite. This policy **does not apply** to students who have received a prerequisite override.
- **Disenrollment Criteria:** Students will be disenrolled if they receive:
  - **F or N grades** in the prerequisite course
  - **An incomplete (I) grade** that does not meet prerequisite requirements (except IA, IB, IC, or ID if the default grade satisfies the prerequisite)
  - **No Credit (NC) or No Pass (NP)** in a Credit/No Credit or Pass/No Pass course
  - **Any other grade that does not meet the prerequisite requirement**
- **Notification and Support:** Affected students will be informed via **UH email** and encouraged to meet with a counselor to explore alternative course options.

For more information, go here.

za) General Policy Involving Non-Students

Anyone who is not officially enrolled for credit, non-credit, or auditing a course is not entitled to be in a classroom at any time. This includes any Leeward Community College student who has not yet registered for the class. Faculty have the discretion to include or exclude such students if their registration for the class is pending. No one is allowed to "sit" in class for any length of time as an unofficial audit.

Minors

For the purpose of this policy, a minor is anyone under the age of 18 who is a dependent of a student. This policy will not be construed to include as a minor any student under the age of 18 as long as that person is registered for the class.

Hazardous Classroom Environments

Any laboratory, studio, shop, or area in which there is equipment or materials which could pose a hazard to minors or which could be endangered by the presence of minors is to be included as one of these environments. The determination of such a hazard will be made by the faculty teaching the class in such areas with consultation from other faculty making use of the area, and the Division Chair.

Exclusion of Minors

In any area where a "hazardous classroom environment" has been determined to exist, signs should be posted warning that minors are not allowed at any time. At the beginning of each semester, faculty should notify students that minors will not be permitted in the area for any reason. This notification should be printed in the course outline and announced orally to the class. If a student asks to bring a minor to the class for any reason, the instructor cannot allow it and should a student bring a minor to a class without asking, the instructor may ask the student to leave the class for that day.

zb) All Other Policies

Additional University of Hawai‘i and Leeward Community College policies, procedures, and guidelines can be found at: http://www.leeward.hawaii.edu/policies

6. Specialized Academic Programs

a) Developmental Education - English

Developmental courses at Leeward Community College (CC) are designed to help students attain basic and fundamental skills in reading, writing, and related study skills to increase their chances of success in college-level courses. The College also offers developmental courses in English as a Second Language (ESL) for academic purposes. These developmental courses do not apply toward an associate degree or technical certificate.

English course placement is determined using a variety of assessments, including high school GPA, ACT or SAT scores, Smarter Balanced Assessment scores, or alternative placement tests. Students whose skills fall below the levels required for successful performance in a college-credit program are required to enroll in developmental English courses at the beginning of their enrollment and continue taking them each term until the required courses are completed. Developmental education counselors are available to assist students who have transferred from another college campus or who have unique placement needs.

Leeward CC offers accelerated developmental English courses that provide students the opportunity to develop integrated reading and writing skills necessary for college-level English 100 in one year or less. All developmental English courses are offered in-person, during both day and evening hours, to foster student engagement and academic support.

All new students are assessed for readiness for college-level English and placed into one of the following courses: ESL 92, ESL 94, ENG 24, ENG 16, ENG 100/ENG 22 (Accelerated Learning Program), ENG 100, or ENG 100E (for multilingual writers).

Accelerated Developmental English Course Options:

- **ENG 16 – Fundamentals of Reading and Writing**
  Upon successful completion of ENG 16, students may advance to the Transitional English Pathway (TEP) paired course ENG 22/100. The first hour of the TEP (ENG 22) prepares students for the second hour, which is ENG 100.
- **ENG 24 – Reading, Reasoning, and Writing**
  After receiving credit in ENG 24, students may progress to ENG 100.
- **ENG 22 and ENG 100 – Paired Courses through the Accelerated Learning Program (ALP)**
  In this paired format, the first class hour focuses on ENG 100 (college-level composition), while the second hour emphasizes ENG 22 writing skills.

Contact Information:

Nicole Keim-Fortuno
Language Arts, Developmental Education Counselor
Office: LA 202 | Phone: (808) 455-0432
Email: keim@hawaii.edu

b) MATH Courses

MATH course sequence placement and co-requisite support

Incoming students are encouraged to enroll in and complete a college-level mathematics (MATH) or quantitative methods (QM) course in their first year if not their first semester. One of the critical issues for success in the first MATH or QM course at Leeward Community College is an appropriate initial placement. Course placement is based on a variety of assessments, such as high school GPA, ACT or SAT scores, Smarter Balance Assessment scores, or alternative placement tests. Any counselor can help a student with determining placement based on these multiple measures. A student who earned MATH credits from another college or who has unusual placement situations should contact the STEM counselor to determine the appropriate initial MATH or QM placement.

For students who do not place directly into a 100- or 200-level MATH or QM course, the college offers learning communities consisting of a co-requisite support course accompanied by a designated section of an introductory college-level MATH or QM course. The credits earned from a co-requisite support course do not apply toward an associate degree or technical certificate.

Melissa Arriba, Math & Sciences, STEM Counselor

Office PS-203, Phone (808) 455-0553

arriba@hawaii.edu

Math Tracks

Each mathematics course is integrated into one of four general tracks. Each track is based on a student's intended or declared program or major. Students should check with their counselor to ensure they are on the right math track.

Elementary Teacher Math Track

- Students interested in teaching at the elementary level typically follow the two-course Elementary Education track. Please contact the Teacher Education Counselor for more information.
    - MATH 111* (Math for Elementary Teachers I), possibly with MATH 78X (College Math Corequisite Support)
    - MATH 112 (Math for Elementary Teachers II)

Quantitative Methods Track

- Students interested in automotive mechanics (AMT) typically follow the Quantitative Methods Track. Contact the Professional Arts and Technology Counselor for more information.
    - QM 107C* (Quantitative Methods in AMT), possibly with QM 78 (Quantitative Methods Companion)
    - Important: QM 107C does not fulfill the Associate in Arts degree Foundation-Quantitative Reasoning core requirement.

College Algebra Track (STEM)

- Students interested in degrees that make use of algebra and other advanced math usually need to take courses on the College Algebra (STEM) Track. Some of the majors that have requirements in the College Algebra Track include Biology, Chemistry, Physics, Computer Programming, Engineering, and Math. Not all prospective majors require every course in the College Algebra Track. A student should contact a counselor for more information and to confirm the exact courses needed for the intended major.
    - Entry level course: MATH 103* (College Algebra, FQ), possibly with MATH 88X (College Algebra Corequisite Support)
    - Precalculus: MATH 135 (Precalculus: Elementary Functions, FQ) → MATH 140 (Precalculus: Trigonometry and Analytic Geometry, FQ) or MATH 140X (Accelerated Precalculus, FQ)
    - Calculus: MATH 241 (Calculus I, FQ) → MATH 242 (Calculus II, FQ) → MATH 243 (Calculus III, FQ) → MATH 244 (Calculus IV, FQ)

College Math Track (non-STEM)

- Students interested in degrees that do not generally make extensive use of algebra or other advanced math can often meet their program requirement on the College Math Track. A student should contact a counselor for more information and to confirm which College Math Track course is best suited for the intended major.
    - MATH 100* (Survey of Mathematics, FQ), possibly with MATH 78X (College Math Corequisite Support) or
    - MATH 115* (Introduction to Statistics and Probability, FQ), possibly with MATH 78X (College Math Corequisite Support)

*Co-requisite learning communities are scheduled to meet anticipated student enrollment. Consequently, it is not assured that every possible pairing of a developmental companion course with a transfer-level course will be offered as a learning community in every academic term, and not every section of each transfer-level course will be scheduled as a learning community with a corequisite support course.

c) English as a Second Language

The mission of the English as a Second Language (ESL) Program is to provide high-quality English language instruction that supports English learners in achieving their goals. The ESL Program offers a supportive learning environment for learners at all levels—beginning, intermediate, and advanced.

The ESL Program helps students to prepare for a degree at Leeward Community College or to transfer to a four-year college or university. Students will have the opportunity to improve their language skills (Reading, Writing, Speaking, Listening, Grammar, and Vocabulary) for personal or professional purposes.

Unfortunately, Leeward Community College does not offer courses for true beginners of English language learning. Prospective students should have basic spelling skills, be able to write sentences, and be able to read and understand simple paragraphs. While students without these skills can still participate in the ESL Program, they should be prepared to work with a tutor outside of class and to repeat the foundation-level classes until these skills are mastered.

In addition to classroom instruction in the English language and study skills, peer tutoring in the Writing Center and personal conferences with an ESL instructor are offered throughout this program. For more information, please visit: https://www.leeward.hawaii.edu/esl.

d) Distance Education

Distance Education offers the opportunity to take college courses online without coming to campus. Many DE courses are structured following an asynchronous schedule, with no live online meetings required. However, some online courses may have scheduled and/ or required live online meetings (synchronous). Depending upon the course, the instructor may use various media and methods of communication.

Leeward CC is approved by the Accrediting Commission for Community and Junior Colleges (ACCJC) to deliver its degree and certificate programs via Distance Education.

For more information go to: https://www.leeward.hawaii.edu/distance-education.

e) Cooperative Education, Externship, Internship, Practicum, or Fieldwork

Cooperative Education, Externship, Internship, Practicum, or Fieldwork

Cooperative Education, Externship, Internship, Practicum, or Fieldwork formally integrates academic preparation and career interests with actual work experience. Employers are represented from private and public sectors of the community. The partnership between the student, the employer, and the College results in a rewarding and beneficial experience for all involved. Classroom study and training take on greater relevance as students gain career experience that is highly valued by employers. Leeward offers the following Cooperative Education, Externship, Internship, Practicum, or Fieldwork courses: Accounting, Automotive Technology (Ford ASSET), Business was Management, Culinary Arts, Health Information Technology, Human Services, Sustainable Agriculture, and Teacher Education. To find out more about the program and to see if you're eligible to participate, contact the program coordinators:

For Accounting, contact Mellissa Moody
(808) 455-0347 or moody7@hawaii.edu.

For Automotive Technology (Ford ASSET), contact Jeff Eligio
(808) 455-0438 or eligioj@hawaii.edu.

For Culinary Arts, contact Matthew Egami
(808) 455-0419 or megami@hawaii.edu.

For Health Information Technology, contact Kinu Silva
(808) 455-0223 or mksilva8@hawaii.edu.

For Human Services, contact Corey Adler
(808) 455-0527 or cadler@hawaii.edu.

For Business Management, contact Ross Higa
(808) 455-0284 or higaross@hawaii.edu.

For Sustainable Agriculture, contact Daniela Elliott
(808) 455-0398 or ddutra@hawaii.edu.

For Teacher Education (Advanced Professional Certificate in Special Education), contact Christina Keaulana
(808) 455-0480 or ctk8@hawaii.edu.

For Teacher Education (Alternative Certification for CTE Licensure Program), contact Erin Yagi
(808) 455-0686 or eyagi@hawaii.edu.

f) Independent Study

Students who wish to design and complete individual study projects geared to their particular interests, aptitudes, and needs may apply for Independent Study credit. A faculty member and Division Chair must approve project plans and the student must complete the project within one semester.

7. Degree and Certificate Information

a) About Degrees and Certificates

Associate in Arts (AA) Degree

A general and pre-professional education degree, consisting of at least 60 baccalaureate-level semester credits, which provides students with skills and competencies essential for successful completion of a baccalaureate degree. The issuance of an AA degree requires that the student's work has been evaluated and stated outcomes have been met. The issuance of an AA degree requires that the student must earn cumulative 2.0 GPA or better for all courses used to meet the degree requirements. AA degrees may be offered in areas of study (e.g., Liberal Arts, Hawaiian Studies).

Associate in Science (AS) Degree

A degree 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 AS 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 AS degree will be at the baccalaureate level. The issuance of an AS degree requires that the student's work has been evaluated and stated outcomes have been met. The issuance of an AS degree requires that the student must earn cumulative 2.0 GPA or better for all courses used to meet degree requirements.

Associate in Applied Sciences (AAS) Degree

A career and technical education degree, consisting of at least 60 semester credits, which provides students with skills and competencies for gainful employment in a Career and/or Technical Education (CTE) area. The AAS degree is not intended or designed for transfer directly to a baccalaureate program. AAS programs may, however, include some baccalaureate-level course offerings. Components of General Education included within the AAS must be consistent with levels of quality and rigor appropriate to higher education. The issuance of an AAS degree requires that the student's work has been evaluated and stated outcomes have been met. The issuance of an AAS degree requires that the student must earn a cumulative 2.0 GPA or better for all courses used to meet degree requirements.

Certificate of Achievement (CA)

A college credential for students who have successfully completed designated medium-term career and technical education credit course sequences which provide them with entry level skills or job upgrading. These course sequences shall be at least 24 credit hours, but may not exceed 51 credit hours (unless external employment requirements exceed this number). Appropriate to the CTE program, this certificate may include General Education courses that meet industry requirements. The issuance of this certificate requires that the student's work has been evaluated and stated outcomes have been met, and requires that the student must earn a cumulative 2.0 GPA or better for all courses required in the certificate.

Certificate of Competence (CO)

A college credential for students who have successfully completed a sequence of career-technical education courses within a Board of Regents-approved CTE program that has been identified as fulfilling an employable set of skills recognized by Business and Industry. The issuance of this certificate requires that the student's work has been evaluated and stated outcomes have been met. The issuance of this certificate requires that the student's work meets or exceeds competencies necessary for employment. Credit course sequences shall be at least four 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 in the certificate.

Certificate in Applied Forensic Anthropology (AFAN)

The AFAN is a joint program offered by Leeward Community College and University of Hawai‘i–West O‘ahu. The Certificate is awarded by University of Hawai‘i West-O‘ahu (UHWO) upon the completion of all requirements. The AFAN program is designed to provide a strong background in forensic anthropology, which uses standard scientific techniques to identify human remains and assist in the

detection of crime. This certificate, in combination with appropriate Associate and Bachelor's degrees, will help make students competitive for a variety of job opportunities, including crime scene analyst, forensic anthropologist, forensic scientist, and crime lab technician.

Advanced Professional Certificate (APC)

A college credential for students who have successfully completed the associate-level degree, or designated medium-term credit/non-credit career-technical education courses, or the equivalent which has provided the student with skills and competencies for gainful employment beyond entry-level positions. The certificate is designed for transfer directly into a baccalaureate program or for industry professionals seeking industry/occupation-specific skills. Credit course sequences shall be at the upper-division course level and contain at least 18 and no more than 30 credit hours. The issuance of an APC requires that the student's work has been evaluated and stated outcomes have been met. The issuance of an APC requires that the student must earn a cumulative 2.0 GPA or better for all courses required in the APC.

Academic Subject Certificate (ASC)

A supplemental college credential for students enrolled in an AA program or unclassified students already holding an Associate, Bachelor, or Graduate level credential and who have successfully completed a focused, specific sequence of credit courses from the AA curriculum. The sequence must fit within the structure of the AA degree, may not extend the credits required for the AA degree, and shall be at least 12 credit hours. The issuance of an ASC requires that the student's work has been evaluated and stated outcomes have been met. The issuance of the ASC requires that the student must earn a cumulative 2.0 GPA 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.

Notes

- Application for Degree/Certificate: To be awarded a degree/certificate from the College it is recommended that students schedule a "Grad Check" appointment with a counselor and submit an "Application for Degree/Certificate" by the appropriate deadline.
- Students that wish to purchase a diploma and diploma cover can indicate this when completing the "Application for Degree/Certificate". A non-refundable $25 fee is required for each diploma cover.
- IMPORTANT: All degrees and certificates require a cumulative 2.0 GPA or better for all courses used to meet the degree or certificate requirements. Transfer coursework is not calculated into the GPA.
- To graduate with a degree from Leeward Community College (CC), a student must have earned a minimum of 12 credits of program courses in the degree/major at Leeward CC.
- To graduate with a certificate from Leeward CC, a student must have earned a minimum of twenty percent (20%) of program courses in the certificate/major from Leeward CC.

- Courses Completed at other Accredited College & Universities: Courses completed at other accredited colleges and universities with a grade of “D” or better may be transferable toward a Leeward CC degree. Some programs may require a grade of “C” or better. Upper division courses (numbered 300 or higher under the University of Hawai‘i (UH) System’s course numbering system) may be applied to no more than 20% of the Leeward CC’s degree or certificate.

For more information, see UHCC Policy 5.203 Program Credentials: Degrees and Certificates

b) Philosophy for General Education Requirements

General education provides students the opportunity to develop understandings, abilities, values, and attributes which enable them to apply their knowledge, skills, and talents to make judicious decisions and to analyze and solve human problems within any community.

General education is that part of education which encompasses the common knowledge, skills, and attitudes needed by each individual to be effective as a person, a family member, a worker, and a citizen. General education is integrated with, but different in emphasis and approach from special training for a job or a profession. Further, general education for the career technical associate degree student should not be confused with liberal education for a baccalaureate student.

General education should allow a student to gain a more integrated view of knowledge, a more realistic view of life and a more defined sense of community and social responsibility. Because of the belief that knowledge leads to actions, students should be actively engaged in learning. This holistic point of view provides the student a foundation of lifelong learning in a changing world.

c) General Education - Foundations and Diversification Requirements

Foundations Requirement

For the list of approved Foundation courses, see: https://intranet.leeward.hawaii.edu/foundationsbd

Foundations courses are intended to give students skills and perspectives that are fundamental to undertaking higher education. Only courses taken after they have an official Foundations designation (FW, FQ or FG) will count as meeting the Foundations requirement.

To enroll in a course that meets the Foundations requirement, students must first meet the prerequisites, if any. Some courses that satisfy a Focus requirement may also simultaneously satisfy Diversification and/or Writing Intensive requirements. (See a counselor for "Requirements that may be Double-Dipped.")

Diversification Requirement

For the list of Diversification courses, see: https://sites.google.com/a/hawaii.edu/leeward-cc-diversification-board/list-of-diversification-courses

The Diversification requirement is intended to assure that every student has a broad exposure to different domains of academic knowledge, while at the same time allowing flexibility for students with different goals and interests.

To enroll in a course that meets the Diversification requirement, students must first meet the prerequisites, if any. Some courses that satisfy the Diversification requirement may also simultaneously satisfy Focus requirements. (See a counselor for "Requirements that may be Double-Dipped.")

d) General Education Electives for Associate in Science & Associate in Applied Science Degrees

Career & Technical Education Programs

Use this listing to select courses to complete the general education electives for the applicable Associate in Science or Associate in Applied Science degrees. The general education requirements for these degrees vary depending on the demands of the specific degree.
A list of specific requirements for each degree program is included in the Degrees and Certificates Section. Please consult with a faculty program advisor or counselor for details. Not applicable to the Associate in Arts degree.

Arts and Humanities

American Studies 201, 202

Art

Dance

Digital Media Production 150

English (Literature) 270, 271, 272, 272H

Filipino 107, 253, 254, 255, 256, 257

Hawaiian Studies (except HWST 281, 281L)

History

Humanities

Information & Computer Science 170

Interdisciplinary Studies 250H

Linguistics 102

Music

Philosophy*

Religion

Theatre

Math and Sciences

Agriculture

Anthropology 215, 215L

Aquaculture

Astronomy

Atmospheric Sciences

Biochemistry

Biology

Botany

Chemistry

Civil Engineering

Earth Sciences (formerly Geology-Geophysics)

Electrical & Computer Engineering

Food Science & Human Nutrition

Geography 101, 101L

Hawaiian Studies 281, 281L

Health

Horticulture (formerly to the Agriculture section)

Information & Computer Sciences (except ICS 170)

Mathematics

Mechanical Engineering

Microbiology

Ocean & Earth Science & Technology

Oceanography

Pharmacology

Philosophy 111*

Physics

Physiology

Science

Zoology

Social Sciences

American Studies 211, 212, 220

Anthropology (except ANTH 215, 215L)

Economics

Education

Geography (except GEO 101, 101L)

Human Development and Family Studies

Human Services

Interdisciplinary Studies (except IS 250H)

Pacific Island Studies

Political Science

Psychology

Sociology

Women, Gender, and Sexuality Studies

Notes

*Philosophy 111 (Intro to Inductive Logic) may be counted as either an Arts & Humanities elective or a Mathematics & Sciences elective for the Associate in Applied Science or the Associate in Science degree (if applicable) but may not be counted twice under both divisions for the same degree.

e) Associate in Arts Degree

60 credits

1. Minimum cumulative grade-point average: 2.0 GPA or better for all courses used to meet the degree requirements. Transfer coursework is not calculated into the GPA.
2. 60 credits, all in courses numbered 100 or above.
3. A maximum of 48 transfer credits earned at other colleges may be applied towards the degree.
4. The 60 credits are composed of:
    1. 31 credits in General Education Core requirements (12 credits in Foundation, 19 credits in Diversification)
    2. 29 credits of Electives
    3. Graduation Requirements (Focus Requirements)
5. A minimum of 12 credits of courses number 100 or above must be earned at Leeward Community College (CC).

Foundations Requirements: 12 credits

- 3 credits in Written Communication (FW)
- 3 credits in Quantitative Reasoning (FQ) or Symbolic Reasoning (FS).
  Students entering Fall 2018 and thereafter must take FQ.
- 6 credits in Global Multicultural Perspectives (FG)

Foundations courses are intended to give students skills and perspectives that are fundamental to undertaking higher education. Courses taken to fulfill the Foundations requirement may not be used to fulfill Diversification or Focus requirements. Only courses taken after they have an official Foundations designation (FW, FS, or FG) will count as meeting the Foundations requirement. To enroll in a course that meets the Foundations requirement, students must first meet the prerequisites, if any. Approved Courses are listed on the Foundation Requirements page.

Written Communication (FW): 3 credits

Written Communication courses introduce students to the rhetorical, conceptual, and stylistic demands of writing at the college level; courses give instruction in composing processes, search strategies, and composing from sources. These courses also provide students with experiences in the library and on the internet and enhance their skills in accessing and using various types of primary and secondary materials.

Symbolic Reasoning (FS): 3 credits
or Quantitative Reasoning (FQ) 3 credits
Students admitted prior to Fall 2018 and who have not had a break in enrollment in the University of Hawai‘i (UH) system can select FS or FQ; students entering Fall 2018 and thereafter must take FQ.

Symbolic Reasoning or Quantitative Reasoning courses expose students to the beauty and power of formal systems, as well as to their clarity and precision; courses will not focus solely on computational skills. Students learn the concept of proof as a chain of inferences. They learn to apply formal rules or

algorithms; engage in hypothetical reasoning; and traverse a bridge between theory and practice. In addition, students develop the ability to use appropriate symbolic techniques in the context of problem-solving and to present and critically evaluate evidence.

Global and Multicultural Perspectives (FG): 6 credits
Global and Multicultural Perspectives courses provide thematic treatments of global processes and cross-cultural interactions from a variety of perspectives. Students will gain a sense of human development from prehistory to modern times through consideration of narratives and artifacts of and from diverse cultures. At least one component of each of these courses will involve the indigenous cultures of Hawai‘i, the Pacific, or Asia. To satisfy this requirement, students must take six credits; the six credits must come from two different groups. See the Foundation Requirements page for groups A, B, and C.

Diversification Requirements: 19 credits

- 6 cr. in Arts, Humanities, and Literatures (DA, DH, DL)
- 6 cr. in Social Sciences (DS)
- 7 cr. in Natural Sciences (DB, DP, DY; 2 courses and 1 lab)

The Diversification requirement is intended to assure that every student has a broad exposure to different domains of academic knowledge, while at the same time allowing flexibility for students with different goals and interests. To enroll in a course that meets the Diversification requirement, students must first meet the prerequisites, if any. Some courses that satisfy the Diversification requirement may also simultaneously satisfy Focus requirements. (See a counselor for "Requirements that may be Double-Dipped.") Approved courses are identified in this Catalog on the Diversification Requirements page. They are also indicated by designations after the course description.

Arts, Humanities, and Literatures (DA, DH, DL): 6 credits
To satisfy this requirement, students must take six credits from two separate sub-categories. Each course must be taken from a different discipline. Arts area courses are designated "DA," Humanities area courses as "DH," and Literatures area courses as "DL" in the course descriptions of this Catalog.

Social Sciences (DS): 6 credits
To satisfy this requirement, students must take six credits from two different disciplines. Approved courses are identified in this Catalog with the letters "DS" after the course description.

Natural Sciences (DB, DP, DY): 7 credits
To satisfy this requirement, students must take two courses and a lab for a total of seven credits. The three courses must include a biological science (DB), a physical science (DP) and a laboratory (DY) course; one of the courses must have a matching lab class. Course numbers with an "L" are separate lab courses. Some DB and DP courses have a lab embedded. Approved courses are identified in this Catalog with the appropriate letters after the course description. Designations are: "DB" for Biological science courses, "DP" for physical science courses and "DY" for laboratory courses.

Graduation Requirements

Focus Requirements (5 courses)

- 1 course: Contemporary Ethical Issues (ETH)
- 1 course: Hawaiian, Asian, & Pacific Issues (HAP)
- 2 courses: Writing Intensive (WI)
- 1 course: Oral Communication (OC)

Focus Requirements

The Focus requirements identify important additional skills and discourses necessary for living and working in diverse communities. Only Focus courses taken after they have received official designation can count as meeting the Focus requirement. Focus courses are not shown in this Catalog but appear in each semester's Class Availability listing. Because the approved Focus courses may change each semester, students should consult the College's up-to-date online course listing before they register.

Contemporary Ethical Issues (ETH): 1 course

These courses are designed to give students tools for the development of responsible deliberation and ethical judgment. Courses fulfilling this requirement are offered in departments across the curriculum. Approved sections are identified in the College's Class Availability with an "ETH" on the left-hand column and the letter "E" preceding the title; offerings vary each semester. Courses designated "ETH" fulfill the E-focus requirement at Leeward CC, but not at UH Mānoa. UH Mānoa requires a 300-level E-focus course for graduation. All approved E-focus courses from UH Mānoa, University of Hawai‘i West O‘ahu (UHWO), or any community college, will meet the Leeward CC E-focus graduation requirement.

Hawaiian, Asian, and Pacific Issues (HAP): 1 course

These courses focus on issues in Hawaiian and Asian or Pacific cultures and history; they promote cross-cultural understanding between nations and cultures. Courses fulfilling this requirement are offered in departments across the curriculum. Approved sections are identified in the College's Class Availability with a "HAP"; offerings vary each semester.

Writing Intensive (WI): 2 courses

Because writing helps students both to learn and to communicate, Leeward CC requires students to take two writing intensive courses. Small writing intensive classes, in which instructors work with students on writing related to course topics, are offered in various disciplines. Students need to satisfy the Written Communication "FW" requirement with a grade of C or better before they enroll in writing intensive courses. Approved sections are identified in the College's Class Availability with a "WI"; offerings vary each semester.

Oral Communication (OC): 1 course

These courses will give students explicit training, in the context of the class, in oral communication concerns relevant to the assignment or activity. Courses fulfilling this requirement are offered in departments across the curriculum. Approved sections are identified in the College's Class Availability with an "OC" on the left-hand column and the letter "OC" preceding the title; offerings vary each

semester. Courses designated "OC" fulfill the OC Focus requirement at Leeward CC, but not at UH Mānoa. UH Mānoa requires a 300 level OC-Focus course for graduation. All approved OC-Focus courses from UH Mānoa, UHWO, or any community college, will meet the Leeward CC OC-Focus graduation requirement.

f) Associate in Science Degree

60 to 67 credits depending upon the field of study

1. Minimum cumulative grade-point average: 2.0 GPA or better for all courses used to meet the degree requirements. Transfer coursework is not calculated into the GPA.
2. Minimum Program requirements:
    1. Courses required by major program.
    2. General education or liberal arts courses required by the college or program. Specific requirements are listed in each program section.
    3. Electives as needed to meet the total credit hours requirement.
    4. Proficiency in written and/or oral communication and/or mathematics usually met by successful completion of course identified by the program.
3. A minimum of 12 credit hours in the major subject area (such as Accounting, Digital Media etc.) must be earned at Leeward Community College (CC). This residency requirement may be waived for cause at the option of the Vice Chancellor for Academic Affairs or appropriate Academic Dean. The Vice Chancellor or Dean may also (at their discretion) approve use of credit-by-examination to meet residency requirements.
4. All of the total credit hours required must be at the baccalaureate level in courses numbered 100 or above

Notes

Exceptions to the residency requirement may be approved for cause by the Vice Chancellor for Academic Affairs or appropriate Academic Dean. The Vice Chancellor or Dean may also approve use of credit-by-examination to meet residency requirements for the Certificate of Achievement.

g) Associate in Applied Science Degree

60 to 67 credits depending upon the field of study

1. Minimum cumulative grade-point average: 2.0 GPA or better for all courses used to meet the degree requirements. Transfer coursework is not calculated into the GPA.
2. Minimum Program requirements:
    1. Courses required by major program.
    2. General education or liberal arts courses required by the college or program. Specific requirements are listed in each program section.
    3. Electives as needed to meet the total credit hours requirement.
    4. Proficiency in written and/or oral communication and/or mathematics usually met by successful completion of courses identified by the program.
3. A minimum of 12 credit hours in the major subject area (such as Automotive) must be earned at Leeward CC. The residency requirement may be waived for cause at the option of the Vice

Chancellor for Academic Affairs or appropriate Academic Dean. The Vice-Chancellor or Dean may also (at their discretion) approve use of credit-by-examination to meet residency requirements.

Notes

Exceptions to the residency requirement may be approved for cause by the Vice Chancellor for Academic Affairs or appropriate Academic Dean. The Vice Chancellor or Dean may also approve use of credit-by-examination to meet residency requirements for the Certificate of Achievement.

h) Degrees and Certificates Offered

Liberal Arts
Associate in Arts Degree
Academic Subject Certificate in one of the following:

- Business
- Community Food Security
- Filipino Studies
- Global Studies
- Hawaiian Language
- History
- Marine Option Program
- Music
- Performing Arts
- Sustainability
- Writing

Accounting
Associate in Science Degree in Accounting
Academic Subject Certificate, Accounting
Certificate of Achievement, Accounting
Certificate of Competence, Accounting

Anthropology
Certificate in Applied Forensic Anthropology (AFAN) *(awarded by University of Hawai‘i West O‘ahu)*

Automotive Technology
Associate in Applied Science Degree in Automotive Technology
Certificate of Achievement, Automotive Technology
Certificate of Competence, Automotive Technology

Business
Associate in Science Degree in Business
Associate in Science Degree in Business with emphasis in one of the following:

- Entrepreneurship
- Hospitality and Tourism
- Office Administrative Assistant

Certificate of Achievement, Business

Certificate of Competence, Administrative Assistant
Certificate of Competence, Agriculture-Based Product Development & Entrepreneurship
Certificate of Competence, Business Foundations
Certificate of Competence, Entrepreneurship
Certificate of Competence, Hospitality and Tourism
Certificate of Competence, Management Foundations

Culinary Arts

Associate in Science Degree in Culinary Arts
Certificate of Achievement, Culinary Arts
Certificate of Competence, Baking
Certificate of Competence, Dining Room Supervision
Certificate of Competence, Preparation Cook

Digital Media Production

Associate in Science Degree in Digital Media Production with emphasis in one of the following:

- Animation and Motion Graphics
- Creative Media
- Digital Photography
- Digital Video for the Web

Academic Subject Certificate, Digital Art: Photographic Emphasis
Certificate of Achievement, Digital Media Production
Certificate of Competence, Digital Photography
Certificate of Competence, Digital Video
Certificate of Competence, Graphic Design
Certificate of Competence, Motion Graphics

Education

Associate in Science Degree in Teaching
Certificate of Competence, Alternative Certification in Teaching
Certificate of Competence, Culturally Responsive Teaching
Certificate of Competence, Special/Inclusive Education Certificate
Certificate of Competence, Special Education II
Advanced Professional Certificate in Special Education

Hawaiian Studies

Associate in Arts Degree in Hawaiian Studies
Academic Subject Certificate, Hawaiian Studies

Health Information Technology

Associate in Science Degree in Health Information Technology
Certificate of Achievement, Health Information Technology
Certificate of Competence, Health Information Technology

Human Services

Certificate of Competence, Human Services/Substance Use Disorders Counseling

Information and Computer Science

Associate in Science Degree in Information and Computer Science with emphasis in one of the following:

- Cloud Security Specialist
- Data Science Specialist
- Information Security Specialist
- Network Support Specialist
- Software Developer Specialist

Academic Subject Certificate, Information and Computer Science
Certificate of Achievement, Information and Computer Science
Certificate of Achievement, Information Security
Certificate of Competence, Basic Logic and Programming Level 1
Certificate of Competence, Basic Logic and Programming Level 2
Certificate of Competence, Cloud Security Specialist
Certificate of Competence, Help Desk
Certificate of Competence, Information Security Specialist
Certificate of Competence, Network Support Specialist
Certificate of Competence, Software Developer

Management

Academic Subject Certificate, Management
Academic Subject Certificate, Travel Industry Management

Mechatronics

Associate in Science Degree in Integrated Industrial Technology
Certificate of Achievement, Integrated Industrial Technology
Certificate of Competence, Integrated Industrial Technology
Certificate of Competence, Computer Integrated Manufacturing

Natural Science

Associate in Science Degree in Natural Science with emphasis in one of the following:

- Biological Sciences
- Physical Sciences
- Engineering
- Information & Computer Sciences

Sustainable Agriculture

Associate in Science Degree in Sustainable Agriculture
Academic Subject Certificate, Sustainable Agriculture
Certificate of Achievement, Sustainable Agriculture
Certificate of Competence, Sustainable Agriculture
Certificate of Competence, Aquaculture

Course Descriptions

Accounting

ACC 124 - Principles of Accounting I (LEC - Lecture)

Description

This course introduces basic accounting principles and practices for service and/or merchandising types of businesses. Areas include accounting as an information system, the accounting cycle, financial statements, internal controls, current and/or long-term assets, current liabilities, and payroll. Special emphasis will be placed on the practical application of accounting principles. A student cannot earn credit for both ACC 124 and ACC 201.

Credits

3

Prerequisites

Placement in ENG 22 or higher **OR** instructor approval.

Recommended Course Preparation

BUSN188 - Business Calculations

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ACC 125 - Principles of Accounting II (LEC - Lecture)

Description

This course continues the study of financial accounting procedures. Areas include long-term assets, long-term liabilities, and accounting for corporations and/or partnerships. The statement of cash flows and financial statement analysis may be covered. A student cannot earn credit for both ACC 125 and ACC 201.

Credits

3

Prerequisites

ACC 124 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ACC 132 - Payroll and Hawai‘i General Excise Tax (LEC - Lecture)

Description

This course introduces principles, manual and computerized procedures, and terminology for business applications of payroll accounting. Includes preparation and filing of federal and Hawai‘i state forms for payroll taxes and the Hawai‘i General Excise and Use Tax.

Credits

3

Prerequisites

ACC 124 with a grade of C or better or concurrently enrolled in ACC 124 **OR** ACC 201 with a grade of C or better or concurrently enrolled in ACC 201 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ACC 134 - Individual Income Tax Preparation (LEC - Lecture)

Description

This course introduces the preparation of federal and state of Hawai‘i individual income tax returns with an emphasis on tax law and regulations and their application to the tax returns. This course is intended for an individual preparing basic tax returns under the supervision of an accounting professional.

Credits

3

Prerequisites

Placement in ENG 22 **OR** Equivalent **OR** Instructor approval.

Recommended Course Preparation

BUS101 - Business Info Systems
ICS100 - Computing Literacy and Applications
ICS101 - Digital Tools for the Information World

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ACC 137 - Business Income Tax Preparation (LEC - Lecture)

Description

This course introduces Federal and Hawai‘i tax laws and regulations and basic return preparation for business entities. This course is intended for an individual preparing basic tax returns under the supervision of an accounting professional.

Credits

3

Prerequisites

ACC 134 with a grade of C or better **OR** Equivalent **OR** Instructor approval.

Recommended Course Preparation

BUS101 - Business Info Systems
ICS100 - Computing Literacy and Applications
ICS101 - Digital Tools for the Information World

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ACC 201 - Introduction to Financial Accounting (LEC - Lecture)

Description

This course is an introduction to accounting principles and practices used to record and communicate financial information. Analyze methods for evaluating assets, liabilities, and equity of an organization. Areas include accounting as an information system; the accounting cycle; revenue and expense recognition; accounting for merchandising operations; financial statements, including cash flow, internal control, current assets, current and long-term liabilities, payroll, and long-term assets; and corporate equity. A student cannot earn credit for both ACC 201 and ACC 124 or ACC 201 and ACC 125.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ACC 202 - Introduction to Managerial Accounting (LEC - Lecture)

Description

This course is an introduction to managerial accounting methods for evaluating performance including cost accounting, budgeting, break-even analysis, ratio analysis, standard cost systems, and reporting for internal decision making. The course also covers capital budgeting and incremental analysis. Requirement for the Accounting AS program; elective for the Liberal Arts AA program.

Credits

3

Prerequisites

ACC 201 with a grade of C or better **OR** ACC 124 with a grade of C or better and ACC 125 with a grade of C or better **OR** Equivalent **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ACC 252 - Using QuickBooks® in Accounting (LEC - Lecture)

Description

This course provides "hands-on" approach to computerized accounting using QuickBooks®. Applies previously acquired accounting skills and knowledge in a computerized environment to set up and maintain accounting records. Emphasis will be placed on the application of QuickBooks® to the accounting cycle.

Credits

3

Prerequisites

ACC 124 with a grade of C or better or ACC 201 with a grade of C or better **AND** BUS 101 with a grade of C or better or concurrently enrolled in BUS 101 or ICS 100 with a grade of C or better or concurrently enrolled in ICS 100 or ICS 101 with a grade of C or better or concurrently enrolled in ICS 101 **OR** Equivalent **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ACC 255 - Using Excel® in Accounting (LEC - Lecture)

Description

This course provides hands-on training in the use of spreadsheets on computers to solve accounting problems. Applies previously acquired accounting skills and knowledge. Emphasizes financial and managerial accounting.

Credits

3

Prerequisites

ACC 202 with a grade of C or better or concurrently enrolled in ACC 202 **AND** BUS 101 with a grade of C or better or ICS 100 with a grade of C or better or ICS 101 with a grade of C or better **OR** Equivalent **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Agriculture

AG 100 - Orientation to Hawai‘i Agriculture Industry (LEC - Lecture)

Description

This course familiarizes students with different agricultural operations/systems in Hawai‘i through lectures, research, student presentations, guest speakers, and/or field trips. (Formerly PBT 100)

Credits

1

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

AG 104 - Food Safety & Post-Harvest Handling (LEC - Lecture)

Description

This course examines food safety requirements for farms, and explores and evaluates post-harvest handling of products, including vegetables, fruits, meats, and flowers. Students will also identify and evaluate standard wholesale and retail packaging for various farm products, and review worker protection standards.

Credits

1

Prerequisites

None.

Recommended Course Preparation

BUS101 - Business Info Systems
ICS101 - Digital Tools for the Information World

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

AG 110 - Hawai‘i Horticulture and Nutrition (LEC - Lecture)

Description

This course explores the uses of native, Polynesian-introduced, and other culturally important plants in Hawai‘i. Botanical concepts of plant structure and function are applied to practical horticulture. Principles of human nutrition are integrated into plant use, including simple food preparation with local crops. Student projects provide additional active learning opportunities. Formerly HORT 110.

Credits

3

Prerequisites

AG 110L with a grade of C or better or concurrently enrolled in AG 110L **AND** placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AG 110L - Hawai‘i Horticulture and Nutrition Lab (LAB - Laboratory)

Description

Companion laboratory course to AG 110 (Hawai‘i Horticulture and Nutrition). Provides hands-on learning in the campus greenhouse facilities and gardens focused on plant maintenance and propagation. Students explore the uses of native, Polynesian-introduced, and other culturally important plants in Hawai‘i; apply botanical concepts of plant structure and function to horticultural practice; and integrate basic nutrition principles through simple food preparation with harvested crops. Field trips and student projects offer additional experiential learning. Formerly HORT 110L.

Credits

1

Prerequisites

AG 110 with a grade of C or better or concurrently enrolled in AG 110 **AND** placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

AG 112 - Introduction to Organic Agriculture (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to natural resource sustainability in agriculture. Basic principles of soil science, plant culture, and pest management are explained, and organic farming techniques are practiced. The societal and environmental reasons for engaging in organic agriculture are explored. The

goal of this course is to increase understanding of organic farming and to introduce sustainable agriculture practices that can be applied in Hawai‘i.

Credits

4

Prerequisites

Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

AG 122 - Soil Technology (LAL - Lecture & Lab Instruction)

Description

This course studies the identification, preparation, and fertilization of soils; discusses soil formation, soil classification, soil reaction, soil and water relationships, soil protection, and irrigation practices; and emphasizes sustainable management systems. (Formerly PBT 122)

Credits

3

Prerequisites

None.

Recommended Course Preparation

MATH103 - College Algebra
MATH88X - College Algebra Corequisite Support

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	3	

AG 141 - Integrated Pest Management (LAL - Lecture & Lab Instruction)

Description

This course includes an introduction to the principles involved in the control of plant pests, including diseases, insects, mites, nematodes, and weeds. Various methods of controlling pests, including the correct method of selecting and applying pesticides, will be covered. Integrated Pest Management will be incorporated into the course. (Formerly PBT 141)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	2	

AG 170 - Introduction to Aquaponics (LEC - Lecture)

Description

This course is a companion course to AG 170L Introduction to Aquaponics Laboratory. The course will provide students with an understanding of the major biological concepts using an aquaponics system as a model ecosystem. Additionally, the course will provide an overview of standard operating procedures of large scale aquaponics systems in relation to food safety and production. (Formerly AG 197)

Credits

3

Prerequisites

Completed or concurrently enrolled in AG 170L.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AG 170L - Introduction to Aquaponics Laboratory (LAB - Laboratory)

Description

This is a companion course to AG 170 Introduction to Aquaponics. The course will provide students with a hands-on application of the major biological concepts using an aquaponics system as a model ecosystem. Additionally, the course will follow standard operating procedures of large-scale aquaponics systems in relation to food safety and production. (Formerly AG 197L)

Credits

1

Prerequisites

Completed or concurrently enrolled in AG 170

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

AG 200 - Principles of Horticulture (LEC - Lecture)

Description

Introduces plant anatomy and physiology. Discusses plant nutrients, moisture, environmental requirements, and plant propagation. Studies culture and production techniques for selected ornamental crops. (Formerly PBT 200)

Credits

3

Prerequisites

AG 200L with a grade of C or better or concurrently enrolled in AG 200L **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AG 200L - Principles of Horticulture Lab (LAB - Laboratory)

Description

This course practices cultivation of selected economic crops using seed to seed model in student gardens or greenhouse. Perform field and laboratory tests involving plant, soil, and seeds. (Formerly PBT 200L)

Credits

1

Prerequisites

AG 200 with a grade of C or better or concurrently enrolled in AG 200 **OR** instructor approval.

Recommended Course Preparation

BIOL101 - Biology and Society
BIOL101L - Biology and Society Lab
BIOL171 - Introduction to Biology I
BIOL171L - Introduction to Biology I Lab
BOT101 - General Botany
BOT101L - General Botany Lab

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

AG 251 - Sustainable Crop Production (LAL - Lecture & Lab Instruction)

Description

This course introduces production methods for selected crops across the full cycle: propagation and planting; soil fertility and fertilization; irrigation; integrated pest management; harvest, post-harvest handling, and marketing. Compares conventional and alternative systems and analyzes their agronomic performance, environmental outcomes, economic viability, and social impacts. Formerly PBT 251.

Credits

4

Prerequisites

AG 110 with a grade of C or better **AND** AG 110L with a grade of C or better **OR** AG 112 with a grade of C or better **OR** AG 200 with a grade of C or better **AND** AG 200L with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

AG110 - Hawai‘i Horticulture and Nutrition
AG110L - Hawai‘i Horticulture and Nutrition Lab
AG112 - Introduction to Organic Agriculture

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	6	

AG 259 - Greenhouse Production (LAL - Lecture & Lab Instruction)

Description

This course focuses on the principles and practices of plant production using protective structures in subtropical and tropical climates, emphasizing vegetable and ornamental production. Students will explore production techniques specifically designed for vegetables grown under protective structures, along with an in-depth understanding of water requirements and the basics of plant nutrition. The course will also cover soilless production systems, offering insights into innovative growing methods, and will introduce integrated pest management (IPM) strategies tailored for greenhouse environments.

Credits

3

Prerequisites

AG 200 with a grade of C or better **AND** AG 200L with a grade of C or better **OR** concurrently enrolled in AG 200 and AG 200L.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	3	

AG 260 - Tropical Landscape (LAL - Lecture & Lab Instruction)

Description

Introduces students to the elements of landscape design, planning, and plan implementation. The areas covered include design principles, functional aesthetics, reading and development of landscape plans, and cost estimates. (Formerly PBT 250)

Credits

4

Prerequisites

AG 112 with a grade of C or better **OR** AG 110 with a grade of C or better **OR** BOT 130 with a grade of C or better **OR** AG 200 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

AG 264 - Plant Propagation (LAL - Lecture & Lab Instruction)

Description

Theoretical and applied aspects of sexual and asexual reproduction of plants. Propagation of selected plants by seed, cuttings, grafting, layering, and micropropagation/tissue culture (lecture/lab). (Formerly PBT 264)

Credits

3

Prerequisites

AG 200 with a grade of C or better **AND** AG 200L with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

CHEM151 - Elementary Survey of Chemistry
CHEM151L - Elementary Survey of Chemistry Lab

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	2	

AG 267 - Introduction to Beekeeping (LAL - Lecture & Lab Instruction)

Description

This course offers a comprehensive introduction to the principles and practice of beekeeping, emphasizing the essential role of bees in pollination, food security, and ecological sustainability. Students will gain practical experience in hive management, honey production, and pest control, while exploring the biological and ecological significance of honey bees. Key topics include bee anatomy, life cycles, and behavior. Through hands-on activities, students will learn to set up and manage hives, prevent swarming, perform hive inspections, and harvest honey, with a focus on sustainable agriculture.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	3	

AG 269 - Ornamental Plant Materials (LAL - Lecture & Lab Instruction)

Description

This course identifies major ornamental plants used in Hawaii's landscapes, including trees, shrubs, vines, ground covers, flowers, house plants and natives. Properly select ornamental plants for landscape according to their habits and growing requirements. (Formerly PBT 269)

Credits

3

Prerequisites

None.

Recommended Course Preparation

AG200 - Principles of Horticulture

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	3	

AG 293V - Sustainable Agriculture Internship (INT - Internship Instruction)

Description

The course provides supervised experiential learning with an employer. The nature of the job or project is variable but will be designed to provide opportunity for workplace experience. Maximum credit for internships may not exceed four hours in an agricultural enterprise. The number of credits earned depends upon the number of hours spent on the job or project during the semester. AG 293V for one credit requires 60 to 119 hours of work; AG 293V for two credits requires 120 to 179 hours of work; AG 293V for three credits requires 180 to 239 hours of work; AG 293V for four credits requires 240 or more hours of work. Students can take another AG 293V class in a subsequent semester; however, the total number of credits received for AG 293V is limited to four credits. (Formerly PBT 290V)

Credits

1 - 4

Prerequisites

Complete 2 of the following with a grade of C or better: AG 200 AND AG 200L, AG 251, AG 259, AG 260, AG 264, AG 267, AG 269

Recommended Course Preparation

AG200 - Principles of Horticulture
AG251 - Sustainable Crop Production
AG260 - Tropical Landscape
AG264 - Plant Propagation

AG269 - Ornamental Plant Materials

Contact Hours (per week)

	Lecture	Lab	Other
Hours			4

American Studies

AMST 201 - American Experience: Institutions and Movements (LEC - Lecture)

Description

This course is an interdisciplinary course that examines diversity and changes in American values and institutions--political, economic, legal, and social.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition
ENG24 - Reading, Reasoning, & Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AMST 202 - American Experience: Culture and the Arts (LEC - Lecture)

Description

This course is an interdisciplinary course that examines diversity and changes in American values and institutions--literature, film, visual arts, and architecture.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition
ENG24 - Reading, Reasoning, & Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AMST 211 - Contemporary American Domestic Issues (LEC - Lecture)

Description

This course is an interdisciplinary exploration of such current American domestic issues topics as politics, economics, civil rights, family life, the justice system, and the environment.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition
ENG24 - Reading, Reasoning, & Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AMST 212 - Contemporary American Global Issues (LEC - Lecture)

Description

This course is an interdisciplinary exploration of such current global issues as international diplomacy, economic development, national security, demographic change, and the environmental protection.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition
ENG24 - Reading, Reasoning, & Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AMST 220 - Introduction to Indigenous Studies (LEC - Lecture)

Description

This course examines the histories, political dynamics, and cultural representations of Indigenous peoples in the U.S. and its territories. It explores their experiences with colonization, forced relocation, and struggles for sovereignty while analyzing media portrayals and their impact on public perceptions. The course also highlights Indigenous self-representation, identity reclamation, and contemporary issues such as land rights, environmental justice, and cultural preservation. By integrating perspectives

from history, politics, sociology, and cultural studies, it provides a comprehensive understanding of Indigenous resilience and ongoing efforts for justice.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Anthropology

ANTH 150 - Human Adaptations (LEC - Lecture)

Description

This course is a survey course of general anthropology with a focus on biological anthropology and cultural anthropology. Major topics include human evolution, prehistoric development of culture, recent and contemporary human cultures, and common features and principal variations in cultural behavior.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ANTH 151 - Emerging Humanity (LEC - Lecture)

Description

This course is an introduction to human biological evolution and the archaeology of culture in the world prior to 1500 CE.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ANTH 152 - Culture and Humanity (LEC - Lecture)

Description

This course is an anthropological examination of the development of cultures in the post-1500 world. We will study the impact of globalization on some cultural traditions in different regions, including Africa, the Americas, Asia, Europe, and Oceania. The emphasis is on a multicultural and global perspective of cultural diversity and change.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ANTH 200 - Cultural Anthropology (LEC - Lecture)

Description

This course is a survey course of cultural anthropology designed to provide students with an understanding of the concept of culture, the principles of field methodology, cultural diversity, some of the factors underlying this diversity and the universal aspects of culture. This course aims at assisting students to view objectively their own as well as other cultures. Additional topics include history and theory of cultural anthropology, processes of cultural change, and applied anthropology.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ANTH 215 - Biological Anthropology (LEC - Lecture)

Description

This course introduces the methodology and principles of biological anthropology. Topics covered include human evolution, primatology, human genetics, biological variation, human adaptability, and growth and development.

Credits

3

Prerequisites

ANTH 215L with a grade of C or better or concurrently enrolled in ANTH 215L **AND** placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ANTH 215L - Biological Anthropology Lab (LAB - Laboratory)

Description

This lab course is designed to accompany ANTH 215, Biological Anthropology. The course provides additional experience and laboratory exercises in human and population genetics, human osteology, human variability, forensic anthropology, primatology, and paleoanthropology.

Credits

1

Prerequisites

ANTH 215 with a grade of C or better or concurrently enrolled in ANTH 215 **AND** placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

Aquaculture

AQUA 254 - Nutrition of Aquatic Organisms (LEC - Lecture)

Description

This course will introduce principles in digestive physiology, feeding habits, and nutrients' roles and requirements. Students will be able to identify the importance of diet quality, formulation, and feeding practices in optimizing animal performance and product quality under farming and natural conditions.

Credits

3

Prerequisites

Placement in ENG 100

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AQUA 262 - Introduction to Aquaculture (LEC - Lecture)

Description

This course will include the discussion of the biological, physicochemical and economic aspects of aquaculture, including a survey of the culture techniques of cultured species of finfish, shellfish, lower invertebrates, and algae.

Credits

3

Prerequisites

Placement in ENG 100

Recommended Course Preparation

BIOL171 - Introduction to Biology I
BIOL172 - Introduction to Biology II

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

AQUA 262L - Introduction to Aquaculture Lab (LAB - Laboratory)

Description

This is a companion course to AQUA 262. This course offers a comprehensive introduction to aquaculture, focusing on the fundamental principles and practices required to establish and manage sustainable aquaculture systems. Students will explore key topics such as water quality management, species selection, system design, animal husbandry, and regulatory compliance. Through hands-on laboratory experiences, students will learn how to monitor and maintain optimal water conditions, ensure the health and welfare of cultured species, and design and operate basic aquaculture systems.

Credits

1

Prerequisites

Placement in ENG 100

Recommended Course Preparation

BIOL172L - Introduction to Biology II Lab

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

Art

ART 101 - Introduction to the Visual Arts (LEC - Lecture)

Description

This course is a general introduction to the visual arts, including media, techniques, and history. It is designed to offer an appreciation of the creative processes involved in the visual arts. This course reviews two-and three-dimensional art forms, methods, and media; examines the visual elements and principal of design; and surveys art styles from the prehistoric to the 20th century. It is oriented to students who have not been exposed to the formal study of these disciplines.

Credits

3

Prerequisites

Placement in ENG 100.

Recommended Course Preparation

ENG100 - Composition I

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ART 104 - Introduction to Printmaking (STU - Studio)

Description

This is an introductory course that is designed to give students studio experience in the technique of printmaking. Students will be introduced to various approaches to printmaking which include woodcut, monotype, intaglio, relief printmaking, etching, and screenprinting.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts
ART113 - Introduction to Drawing

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 104D - Introduction to Printmaking: Screenprinting (STU - Studio)

Description

Basic screen printing techniques for fabric and paper. Artistic composition, screen processing, stencil making using photographic and hand-manipulated imagery, and printing will be covered in lectures and demonstrations. Supplies are to be provided by the student.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 105B - Introduction to Ceramics (Handbuilding) (STU - Studio)

Description

This course is a studio experience in ceramic hand-building techniques. May be repeated for additional credits.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 105C - Introduction to Ceramics (Wheel Throwing) (STU - Studio)

Description

This course is a studio experience in ceramic wheel throwing techniques. The course includes both lectures and projects. May be repeated for additional credit.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART105B - Introduction to Ceramics (Handbuilding)

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 107D - Introduction to Digital Photography (STU - Studio)

Description

This course is an introduction to digital photography. Students will learn basic camera techniques and how to process their images in digital format. This course will provide the student with basic aesthetic principles of visual art as well as an extensive range of practical photographic techniques needed for entry into the photographic workplace and/or for personal artistic expression. It provides experience in traditional and contemporary photographic techniques for art, multimedia, and television.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Recommended Course Preparation

ART112 - Intro to Digital Arts

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 112 - Intro to Digital Arts (STU - Studio)

Description

This course is an introduction to digital technology and its applications to the production of visual art. Emphasis is on the relationship between art, design, and technology. Students develop the capacity for critical thinking and problem solving through project-based learning.

Credits

3

Prerequisites

None.

Recommended Course Preparation

BUS101 - Business Info Systems
ICS101 - Digital Tools for the Information World

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 113 - Introduction to Drawing (STU - Studio)

Description

This beginning drawing course introduces general drawing and compositional principles. Elements of design will be addressed in depth and a variety of materials and techniques will be used. No prior experience required.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 113D - Introduction to Digital Drawing (STU - Studio)

Description

This is an introductory course for students who are interested in developing communication skills in the area of two-dimensional, vector drawing as it relates to computer based imaging. Fundamental drawing concepts, creative problem solving techniques and basic design principles will be covered. Material covered in this course may be useful to any area of study where visual enhancement may apply. This includes ICS and business.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART113 - Introduction to Drawing
ICS100 - Computing Literacy and Applications

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 115 - Introduction to Design (STU - Studio)

Description

This is a foundation course in two-dimensional design in visual arts. The emphasis is on basic concepts, elements, and principles of compositional organization and how they can be applied within visual problem-solving.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts
ART113 - Introduction to Drawing

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 115D - Introduction to 2D Digital Design (STU - Studio)

Description

This course is a foundation course for students who are interested in developing communication skills in the area of two-dimensional design as it relates to digital imaging. Fundamental design concepts, creative problem solving techniques, and design principles and elements will be covered.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART112 - Intro to Digital Arts
ART113D - Introduction to Digital Drawing

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 116 - Introduction to Three-Dimensional Composition (STU - Studio)

Description

This course is a foundation course in three-dimensional design and is concerned with a visual dialogue concerning form and space. The elements and fundamentals of design from a three-dimensional lens will be examined and demonstrated through the construction of various forms using different materials.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART113 - Introduction to Drawing

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 123 - Introduction to Painting (STU - Studio)

Description

This course is an introduction to the theory and practice of painting. Instruction on the use of painting materials and techniques. This course will cover historical art movements and show parallels in contemporary art practices as well. Designed to serve art majors and non-art majors.

Credits

3

Prerequisites

ART 113 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 156 - Digital Painting (STU - Studio)

Description

This course is an introduction to the use of the computer as a painting tool. Studio experience will explore digital painting techniques as used for personal expression, production design, concept art, matte painting, and texture mapping. Emphasis will also be placed on developing an aesthetic criteria for evaluation.

Credits

3

Prerequisites

ART 112 with a grade of C or better.

Recommended Course Preparation

ART113 - Introduction to Drawing
ART113D - Introduction to Digital Drawing
ART123 - Introduction to Painting
ART214 - Introduction to Life Drawing

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 166 - Digital Printmaking (STU - Studio)

Description

This course focuses on the creation of fine art prints by combining computer-based design and manual printmaking. Students will use industry-standard applications to create graphic designs based on a combination of original sources, format them into distinct layers and files for a variety of technology-assisted outputs, then transfer images to paper using various manual printmaking processes.

Credits

3

Prerequisites

ART 112 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ART113D - Introduction to Digital Drawing

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 175 - Survey of Global Art I (LEC - Lecture)

Description

This course is an introduction to the major developments in Global Art from prehistory to 1500.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ART 176 - Survey of Global Art II (LEC - Lecture)

Description

This course will examine artistic production of major societies from 1500 to the present.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ART 177 - Survey of Women in Art (LEC - Lecture)

Description

This course is a chronological survey of major women artists from antiquity to the present. Specifically, it traces the contributions of women to art history in their roles as artists, patrons, and collectors, with emphasis on the historical, social, and cultural context in which they lived and created.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ART 202 - Digital Imaging (STU - Studio)

Description

Studio experience in intermediate-level digital imaging concepts and techniques, including image capture, manipulation, image creation, and output in various media using industry standard imaging editing software.

Credits

3

Prerequisites

ART 107D with a grade of C or better **AND** ART 112 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 207D - Intermediate Digital Photography (STU - Studio)

Description

This course is an intermediate-level digital photography course intended for students who have successfully completed ART 107D and are competent in camera usage and exposure controls. The course is designed to give you a critical understanding of both the technical and aesthetic nature of digital photography beyond the basics. The technical emphasis will be on acquiring the necessary skills needed to deliver an “end-product,” namely an expressive, fine quality print and a body of work depicting the realization of an idea, an emotion, or a subject. It will further develop composition skills as well as emphasize current trends in advanced, professional level digital photography techniques. Students will be taught how to develop a visual portfolio and series of related photographs, not just single images, in various photographic genres. It will provide a foundation for students who wish to pursue photography as a career or related fields such as art, multimedia, and/or television production.

Credits

3

Prerequisites

ART 107D with a grade of C or better **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

ART112 - Intro to Digital Arts

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 213 - Intermediate Drawing (STU - Studio)

Description

This course is a continuation and development of skills and ideas introduced in ART 113. Contemporary concepts and techniques will be explored and applied. Students will engage in art historical discourse and theory. Students will expand their knowledge and use of media.

Credits

3

Prerequisites

ART 113 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 214 - Introduction to Life Drawing (STU - Studio)

Description

This course is an investigation of the figure concerning anatomical construction, light, space, diagrammatic analysis, and thematic content through the process of drawing.

Credits

3

Prerequisites

ART 113 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts
ART213 - Intermediate Drawing

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 221 - Design for Print and Web (LEC - Lecture)

Description

This course introduces students to the development principles related to graphic design terminology, tools and media, and layout design concepts. There is an emphasis ion typesetting and composing for print and web products.

Credits

3

Prerequisites

ART 112 with a grade of C or better **OR** instructor approval

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ART 223 - Intermediate Painting (STU - Studio)

Description

This course is an extension of the observational foundation established in ART 123, Introduction to Painting, and addresses contemporary, conceptual, and expressive approaches to painting. Oil painting will be the primary medium used in this course. Students will further develop their knowledge of mediums and substrates.

Credits

3

Prerequisites

ART 123 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ART101 - Introduction to the Visual Arts

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 224 - Painting from Life (STU - Studio)

Description

This course is an intensive studio experience of painting from the model. Contemporary methods of application and theory will be explored while learning the history of figure painting.

Credits

3

Prerequisites

ART 113 with a grade of C or better **AND** ART 214 with a grade of C or better.

Recommended Course Preparation

ART123 - Introduction to Painting
ART213 - Intermediate Drawing

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 229 - Interface Design I (STU - Studio)

Description

This course provides a foundation of interface design skills, techniques, and principles necessary to design visually effective, user-friendly web sites. Through lessons, demonstrations, and hands-on projects, this course explores how the fundamental elements and principles of graphic design are applied through the design process for creating interactive interfaces. Students go through the analysis, information architecture, conceptual planning, and visual layout designing stages of the web design process, and document their findings through client documentation and presentations.

Credits

3

Prerequisites

ART 112 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 241 - Photography as Story (STU - Studio)

Description

This course introduces students to documentary and editorial photography as forms of visual storytelling. It explores the history of the genre and the ethical questions related to representation, truth, and image-making, while highlighting the importance of giving voice to community narratives in Hawai‘i. Students will participate in practical fieldwork, post-production, and professional practices, including captioning, sequencing, and delivering work to clients. The course also covers editorial planning, publication strategies, and presentation techniques for print, digital, and multimedia platforms.

Credits

3

Prerequisites

ART 107D with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ART207D - Intermediate Digital Photography

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 243 - Intermediate Ceramics, Hand Building (STU - Studio)

Description

This course includes sculptural and vessel concepts in clay using hand-building techniques, emphasizing the development of constructive skills and an understanding of form, surface, and firing possibilities. May be repeated for additional credit.

Credits

3

Prerequisites

ART 105B with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 244 - Intermediate Ceramics, Wheel Throwing (STU - Studio)

Description

This course includes vessel and sculptural concepts in clay using wheel-throwing techniques, emphasizing the development of construction skills and an understanding of form, surface, and firing possibilities. May be repeated for additional credit.

Credits

3

Prerequisites

ART 105C with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 249 - Interface Design II (STU - Studio)

Description

This course integrates the foundation level visual interface design skills introduced in ART 229 with technical interface programming skills. Students go through the full creative design process for interaction design of analyzing, planning, designing, coding, testing, and launching a custom designed web standard compliant HTML/CSS static web site for a proposed client. Students document their findings through client documentation and defend their design decisions via presentations and critiques.

Credits

3

Prerequisites

ART 229 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 277D - Digital Photography: Light and Image (STU - Studio)

Description

This course introduces students to the understanding and manipulation of light as both a technical tool and an artistic medium. Using digital cameras and related equipment, students will complete assignments that explore natural, found, and artificial light sources, including continuous lighting and studio strobes. Emphasis is placed on developing a professional understanding of light control to construct visual narratives and convey complex ideas. Through real-world problem-solving, advanced stylistic experimentation, and industry-relevant DIY methods, this course is designed to help students build a job-ready portfolio while strengthening their creative and technical skills.

Credits

3

Prerequisites

ART 112 with a grade of C or better **AND** ART 207D with a grade of C or better or concurrently enrolled in ART 207D **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 287 - Digital Photography: Industry and Media (STU - Studio)

Description

This course introduces students to the tools, techniques, and concepts of digital photography used in industrial and commercial media. Students create images to promote products, ideas, and values across various platforms, including print, web, and multimedia, with subjects such as architecture, interior design, transportation, and fashion.

Credits

3

Prerequisites

ART 207D with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6

ART 290 - The Arts of Africa, Native Americas, and the Pacific (LEC - Lecture)

Description

This course focuses on the formal and contextual study of art from selected areas in Africa, the Pacific, and Native America.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Astronomy

ASTR 110 - Survey of Astronomy (LEC - Lecture)

Description

This course is a description of the nature of the astronomical universe for science and non-science majors, with emphasis on scientific method and development of scientific thought. The course offers a descriptive treatment of planets, the solar system, stars, and galaxies and also discusses concepts of size, distance, and time in the observable universe.

Credits

3

Prerequisites

Placement in MATH 100 **AND** placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

PHYS100 - Survey of Physics
PHYS100L - Survey of Physics Lab

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ASTR 110L - Survey of Astronomy Laboratory (LAB - Laboratory)

Description

This course has observations of constellations and the night sky, the sun and moon, planets, stars, and deep-sky objects; and laboratory and observational experiments illustrating basic concepts in astronomy.

Credits

1

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

ASTR 150 - Voyage through the Solar System (LEC - Lecture)

Description

This course is an illustrated voyage through the Solar System based on recent scientific results. The class highlights the origin, evolution, and current knowledge of the eight planets, their moons, asteroids, comets, and one star, the Sun.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ASTR 295 - Astronomy Undergraduate Research Project (LAL - Lecture & Lab Instruction)

Description

This course introduces students to methods in astronomical scientific research using telescopes, spectrometers, and CCD cameras. Students enrolled in the course are provided the opportunity to operate telescopes, plan, and design group-oriented research projects, and learn the importance of group work in scientific research. Furthermore, participants learn the art of stellar image acquisition, data analysis, and interpretation of their results. Finally, students have the opportunity to publish their research work in scientific journals by completing the required manuscript. Potential research topics may include, but are not limited to, observing and collecting data of double stars, variable stars, exoplanets, asteroids, and comets.

Credits

1.0

Prerequisites

MATH 100 with a grade of C or better **OR** equivalent **OR** instructor approval **AND** placement in ENG 100.

Recommended Course Preparation

ASTR110 - Survey of Astronomy

Contact Hours (per week)

	Lecture	Lab	Other
Hours	0.5	1.5	

Atmospheric Sciences

ATMO 101 - Introduction to Weather and Climate (LEC - Lecture)

Description

This course is an introductory physical science course for all undergraduates in any major. A non-mathematical introduction to basic atmospheric variables, Earth's past climates, global warming, air pollution, El Niño, hurricanes, tornadoes, and forecasting weather in Hawai‘i.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Automotive Mechanics Tech

AMT 100 - Introduction to Automotive Technology (SHP - Shop)

Description

This course will cover policies and procedures of the Automotive Technology (AMT) program, various career opportunities in the automotive field, shop safety, proper use of technical reference manuals, and identifying and proper use of basic hand tools and precision measuring tools. (Formerly AMT 20)

Credits

2

Prerequisites

Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			4

AMT 129 - Engine Repair (SHP - Shop)

Description

This course will cover shop safety, tools, and all components found in the modern internal combustion engine. The course is designed to provide students with an understanding of the fundamental operation and construction of internal combustion engines. Instruction will include theory and laboratory (shop) activities in which students will learn how to inspect, service, maintain, diagnose, and repair automobile engine malfunctions. This course includes live work. (Formerly AMT 30)

Credits

7

Prerequisites

AMT 100 with a grade of C or better **AND** AMT 141 with a grade of C or better **AND** AMT 152 with a grade of C or better **AND** Completed ENG 100 or concurrently enrolled in ENG 100 or equivalent or higher **AND** Completed MATH 100 or concurrently enrolled in MATH 100 **OR** Completed QM 107C or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			14

AMT 141 - Electrical/Electronic Systems I (SHP - Shop)

Description

This course will provide students with fundamental principles of automotive electricity and electronics. Practical skills to diagnose, test, and service battery, starting, charging and lighting systems are covered. Testing and repair of electrical safety devices, wiring, connectors, and relays are also covered. (Formerly AMT 40)

Credits

5

Prerequisites

AMT 100 with a grade of C or better or concurrently enrolled in AMT 100 **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			10

AMT 144 - Heating and Air Conditioning (SHP - Shop)

Description

This course provides an understanding of the theory, diagnosis, service, and safe handling of refrigerants, and repair of automotive heating, ventilation, and air conditioning (HVAC) systems. The course presents the operation and function of vacuum, electrical, refrigeration circuits, and computer controls. Training is provided in the use of tools and equipment while performing diagnostics, repairs, and service on HVAC systems. (Formerly AMT 43)

Credits

4

Prerequisites

AMT 145 with a grade of C or better **AND** AMT 149 with a grade of C or better **AND** AMT 241 with a grade of C or better **AND** MATH 100 with a grade of C or better or concurrently enrolled in MATH 100 **OR** QM 107C with a grade of C or better or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			8

AMT 145 - Manual Drive Trains and Axles (SHP - Shop)

Description

This course covers the theory and fundamental operating principles of the modern automotive drive trains and axles. Students learn maintenance and repair of C-V shafts, propeller shafts, clutch systems, standard transmissions, standard transaxles, all-wheel drive, four-wheel drive, and final-drive systems. (Formerly AMT 46)

Credits

4

Prerequisites

AMT 129 with a grade of C or better **AND** AMT 154 with a grade of C or better **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher **AND** Completed or concurrently enrolled in a Natural Science course numbered 100 or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			8

AMT 149 - Automatic Transmissions and Transaxles (SHP - Shop)

Description

This course covers the fundamental principles of automatic transmission design and operation found on Front Wheel Drive (FWD) and Rear Wheel Drive (RWD) automobiles. Service, repair, and overhaul procedures are included for a variety of import and domestic automatic transmissions. (Formerly AMT 50)

Credits

4

Prerequisites

AMT 145 with a grade of C or better or concurrently enrolled in AMT 145 **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher **AND** Completed or concurrently enrolled in a Natural Science course numbered 100 or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			8

AMT 152 - Brake Systems (SHP - Shop)

Description

This course covers the principles in the operation of modern automotive brake systems. Further development in new technology, such as computerized Anti-skid Brake Systems (ABS), electronic power brakes, and four-wheel disc brakes will be covered. Repair and service techniques of the complete brake systems will be demonstrated. (Formerly AMT 53)

Credits

4

Prerequisites

AMT 100 with a grade of C or better or concurrently enrolled in AMT 100 **AND** AMT 141 with a grade of C or better or concurrently enrolled in AMT 141 **AND** AMT 162 with a grade of C or better or concurrently enrolled in AMT 162 **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			8

AMT 154 - Suspension and Steering Systems (SHP - Shop)

Description

This course presents the theory and practical application of the operation, problem diagnosis, maintenance, and repair of modern suspension and steering systems to include: front wheel drive steering and suspension systems; rear wheel drive steering and suspension systems; four wheel drive steering and suspension systems; and all-wheel drive steering and suspension systems. Wheel alignment and tire servicing for all systems are also covered. (Formerly AMT 55)

Credits

4

Prerequisites

AMT 129 with a grade of C or better or concurrently enrolled **AND** AMT 164 with a grade of C or better or concurrently enrolled **AND** Completed or concurrently enrolled in ENG 100 or equivalent or higher **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			8

AMT 162 - Advanced Brake Systems (SHP - Shop)

Description

This course is a continuation of AMT 152 Brake Systems with a more detailed examination of the modern technologies of current production electronic braking systems. Professional-level diagnostic procedures and techniques will be emphasized.

Credits

1

Prerequisites

AMT 100 with a grade of C or better or concurrently enrolled **AND** AMT 141 with a grade of C or better or concurrently enrolled **AND** AMT 152 with a grade of C or better or concurrently enrolled **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			2

AMT 164 - Advanced Suspension and Steering Systems (SHP - Shop)

Description

This course is a continuation of AMT 154 with a detailed examination of the modern technologies of current production electronic suspension and steering systems. Professional level diagnostic procedures and techniques will be emphasized.

Credits

1

Prerequisites

AMT 129 with a grade of C or better **AND** AMT 154 with a grade of C or better **AND** Completed or concurrently enrolled in ENG 100 or equivalent or higher **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			2

AMT 193V - Cooperative Education (COP - Cooperative Ed/Work Experience)

Description

This cooperative training experience will provide students an opportunity to apply their professional and technical skills in dealership service centers. Students will be supervised on the job by a professional Journeyman Technician. This course is for Ford ASSET students and optional for the AMT AAS Program. This course may be repeated up to a maximum of 15 credits, 96 work hours per credit. (Formerly AMT 93D)

Credits

1 - 4

Prerequisites

AMT 100 with a grade of C or better **AND** AMT 141 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			6.4

AMT 241 - Electrical/Electronic Systems II (SHP - Shop)

Description

This course covers essential theories and practical skills in diagnosing electronic control systems, networking, and the repair of automotive accessory circuits, such as power windows, power door locks, power mirrors, audio systems, anti-theft systems, power seats, horns, blower fan, and wiper/washer. Also covered are conventional instrumentation, digital instrumentation, supplemental inflatable restraint (SRS), and high voltage systems. (Formerly AMT 41)

Credits

4

Prerequisites

AMT 145 with a grade of C or better or concurrently enrolled in AMT 145 **AND** AMT 149 with a grade of C or better or concurrently enrolled in AMT 149 **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			8

AMT 245 - Engine Performance Systems (SHP - Shop)

Description

This course examines the theory, operation, and relationships of engine, ignition, air induction, fuel delivery, emission, and computerized control systems. Diagnostic procedures are covered using professional service information and test equipment. These include oscilloscopes, gas analyzers, scan tools, and specialized meters. (Formerly AMT 40D)

Credits

8

Prerequisites

AMT 162 with a grade of C or better **AND** AMT 164 with a grade of C or better **AND** AMT 144 with a grade of C or better or concurrently enrolled in AMT 144 **AND** Completed or concurrently enrolled in MATH 100 **OR** Completed or concurrently enrolled in QM 107C or equivalent or higher.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			16

Biochemistry

BIOC 141 - Fundamentals of Biochemistry (LEC - Lecture)

Description

Biological chemistry focusing on the integration of concepts from general, inorganic, and biochemistry and their application to living systems. Satisfies the one-semester chemistry requirement for pre-nursing and pre-dental hygiene majors. (Formerly BIOC 241)

Credits

3

Prerequisites

MATH 88X with a grade of CR **OR** Placement in MATH 103 **OR** higher STEM math **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Biology

BIOL 100 - Human Biology (LEC - Lecture)

Description

This course is designed for the non-biologist who wishes to learn more about fundamental biological concepts, with emphasis on humans and the human body. Topics covered include the structure and functions of cells, tissues, organs, and organ systems of the human body, which will be related to physical fitness, nutrition, health, disease, and genetics. Evolution of humans and their role in the biosphere will also be covered. Not intended for science majors.

Credits

3

Prerequisites

Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BIOL 101 - Biology and Society (LEC - Lecture)

Description

This course is a companion course to BIOL 101L - Biology for Non-Majors Laboratory. The course will provide students not majoring in any of the natural sciences with an understanding of the major concepts in the following biological disciplines: cell structure and function, genetics, evolutionary theory, plant and animal structure and function, ecology, and animal behavior. Additionally, it provides non-science majors with an understanding of the scientific approach to problem-solving and the increasing role biology has in daily life.

Credits

3

Prerequisites

Placement in ENG 100 or equivalent **AND** BIOL 101L with a grade of C or better or concurrently enrolled in BIOL 101L **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BIOL 101L - Biology and Society Lab (LAB - Laboratory)

Description

Companion laboratory to BIOL 101, Biology for Non-Majors. The laboratory and field activities in BIOL 101L provide students not majoring in any of the natural sciences with an understanding of the major concepts in the following biological disciplines: cell structure and function, genetics, evolutionary theory, plant and animal structure and function, ecology, and animal behavior. Additionally, it provides non-science majors with an understanding of the scientific approach to problem solving and the increasing role biology has in daily life.

Credits

1

Prerequisites

BIOL 101 with a grade of C or better or concurrently enrolled in BIOL 101 **AND** placement in ENG 22.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

BIOL 124 - Environment and Ecology (LEC - Lecture)

Description

This course examines the many interrelationships among organisms and their environment with an emphasis on the impact that our species has had (and may yet have) on the total planet. Problems of pollution, overpopulation, depletion of resources, etc. are considered. Causes of ecological problems and alternatives to current actions by people are suggested and evaluated, stressing the ecological

action of the individual. Emphasis is placed on problems relating to island ecology and Hawaii in particular.

Credits

3

Prerequisites

Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BIOL 124L - Environment and Ecology Lab (LAB - Laboratory)

Description

This course is the laboratory to accompany BIOL 124. (Formerly part of SCI 124)

Credits

1

Prerequisites

BIOL 124 with a grade of C or better or concurrently enrolled in BIOL 124.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

BIOL 130 - Anatomy and Physiology (LEC - Lecture)

Description

This course focuses on the structure and function of the human body which includes a study of its gross anatomy, microanatomy, physiology, pathology, and pathophysiology.

Credits

4

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

BIOL 130L - Anatomy and Physiology Laboratory (LAB - Laboratory)

Description

BIOL 130L focuses on gross and microscopic anatomy on the human body with special emphasis upon the skeleton, muscles, heart and blood vessels, and the nervous system.

Credits

1

Prerequisites

BIOL 130 with a grade of C or better or concurrently enrolled in BIOL 130 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

BIOL 171 - Introduction to Biology I (LEC - Lecture)

Description

Introductory biology for all life science majors. Cell structure and chemistry, growth, reproduction, genetics, evolution, viruses, bacteria, and simple eukaryotes.

Credits

3

Prerequisites

BIOL 171L with a grade of C or better or concurrently enrolled BIOL 171L **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BIOL 171L - Introduction to Biology I Lab (LAB - Laboratory)

Description

Laboratory to accompany BIOL 171.

Credits

1

Prerequisites

BIOL 171 with a grade of C or better or concurrently enrolled BIOL 171 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

BIOL 172 - Introduction to Biology II (LEC - Lecture)

Description

Continuation of BIOL 171. Topics covered include anatomy and physiology of plants and animals, systematics of plants and animals, and ecology of populations and communities.

Credits

3

Prerequisites

BIOL 171 with a grade of C or better **AND** BIOL 171L with a grade of C or better **AND** BIOL 172L with a grade of C or better or concurrently enrolled in BIOL 172L.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BIOL 172L - Introduction to Biology II Lab (LAB - Laboratory)

Description

Laboratory to accompany BIOL 172. Topics covered include anatomy and physiology of plants and animals, systematics of plants and animals, ecology of populations and communities, and biosphere and ecosystem function.

Credits

1

Prerequisites

BIOL 171 with a grade of C or better **AND** BIOL 171L with a grade of C or better **AND** BIOL 172 with a grade of C or better or concurrently enrolled in BIOL 172 **AND** ENG 100 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

BIOL 200 - Coral Reefs (LEC - Lecture)

Description

The course is an introduction to the biology, ecology and geology of coral reefs. Topics include the physical and chemical properties of coral reef habitats; reef geology; and the physiology, anatomy, ecology, evolution, and cultural significance of coral reef organisms. Topics are discussed in the context of sustainability, global climate change, and the management of human impacts on coral reefs. Emphasis is on Hawai‘i's coral reefs, but comparisons are made among reefs from other areas.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **AND** BIOL 200L with a grade of C or better or concurrently enrolled in BIOL 200L.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BIOL 200L - Coral Reefs Lab (LAB - Laboratory)

Description

The laboratory and field activities in BIOL 200L provide an introduction to the biology, ecology, and geology of coral reefs. Topics include the physical and chemical properties of coral reef habitats; reef geology; and the physiology, anatomy, ecology, evolution, and cultural significance of coral reef organisms. Topics are discussed in the context of sustainability, global climate change, and the management of human impacts on coral reefs. Emphasis is on Hawai‘i's coral reefs, but comparisons are made among reefs from other areas. This course will also include field activities.

Credits

1

Prerequisites

Placement in ENG 100 **OR** equivalent **AND** BIOL 200 with a grade of C or better or concurrently enrolled in BIOL 200.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

BIOL 265 - Ecology and Evolutionary Biology (LEC - Lecture)

Description

This course is a one-semester biology course for all life science majors. BIOL 265 and 265L open the door to students who wish to pursue an academic or professional career in the natural sciences such as biology, microbiology, botany, forestry, marine biology, and aquaculture. The course covers principles of ecology and evolution, stressing an integrated approach, and recent advances in Biology.

Credits

3

Prerequisites

BIOL 172 with a grade of C or better **AND** BIOL 172L with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BIOL 265L - Ecology and Evolutionary Biology Lab (LAB - Laboratory)

Description

This course is a laboratory to accompany BIOL 265. Biology 265L is a one-semester biology course for all life science majors. BIOL 265 and 265L open the door to students who wish to pursue an academic or professional career in the natural sciences such as biology, microbiology, botany, forestry, marine biology, and aquaculture. The course covers principles of ecology and evolution, stressing an integrated approach, and recent advances in Biology.

Credits

1

Prerequisites

BIOL 172 with a grade of C or better **AND** BIOL 172L with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

BIOL 275 - Cell and Molecular Biology (LEC - Lecture)

Description

This course is an integrated cell and molecular biology course for life science majors. This course is designed to give the student a fundamental understanding of the structure and biochemistry of eukaryotic and prokaryotic cells, recombinant DNA technology, and bioinformatics.

Credits

3

Prerequisites

BIOL 171 with a grade of C or better **AND** BIOL 171L with a grade of C or better **AND** CHEM 272 with a grade of C or better **AND** BIOL 275L with a grade of C or better or concurrently enrolled in BIOL 275L **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	0	0

BIOL 275L - Cell and Molecular Biology Lab (LAB - Laboratory)

Description

This is a laboratory course in cell and molecular biology for life science majors. This course is taken either concurrently or after BIOL 275. Through laboratory exercises, students will acquire a fundamental understanding of the biochemistry of the cell. Students will also acquire competence in modern advances in protein chemistry, recombinant DNA technology, and biotechnology.

Credits

2

Prerequisites

BIOL 171 with a grade of C or better **AND** BIOL 171L with a grade of C or better **AND** CHEM 272 with a grade of C or better **AND** BIOL 275 with a grade of C or better or concurrently enrolled in BIOL 275 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		4	

Botany

BOT 101 - General Botany (LEC - Lecture)

Description

This is an introductory course in plant biology. The topics covered include the structure and function of plant cells, tissues, and organs such as roots, stems, leaves, and flowers; concepts of biological evolution and classification; the diversity of plants and plant-like organisms; genetics; and ecology.

Credits

3

Prerequisites

BOT 101L with a grade of C or better or concurrently enrolled in BOT 101L **AND** Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BOT 101L - General Botany Lab (LAB - Laboratory)

Description

This laboratory course provides observations, experiments, and field trips illustrating the basic principles of plant biology.

Credits

1

Prerequisites

BOT 101 with a grade of C or better or concurrently enrolled in BOT 101 **AND** Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

BOT 130 - Plants in the Hawaiian Environment (LEC - Lecture)

Description

This course will provide students with an understanding of the major concepts in the following plant biology disciplines: structures, functions and propagation of vascular plants, biotic and abiotic forces that have shaped the Hawaiian islands and their impact on evolution, and distribution and endangerment of Hawaiian flora. It provides students with an understanding of Hawaiian flora by origin, development, composition, and cultural and economic uses.

Credits

3

Prerequisites

BOT 130L with a grade of C or better or concurrently enrolled in BOT 130L **AND** Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BOT 130L - Plants in the Hawaiian Environment Lab (LAB - Laboratory)

Description

This is a companion laboratory to BOT 130, Plants in the Hawaiian Environment. The laboratory and field activities in BOT 130L provide students with an understanding of the major concepts in structures, functions and propagation of vascular plants, biotic and abiotic forces that have shaped the Hawaiian Islands and their impact on evolution, and distribution and endangerment of Hawaiian flora. Additionally, it provides students with an understanding of Hawaiian flora by origin, development, composition, and cultural and economic uses.

Credits

1

Prerequisites

BOT 130 with a grade of C or better or concurrently enrolled in BOT 130 **AND** Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

Business

BUS 101 - Business Info Systems (LEC - Lecture)

Description

This course is an introduction to computers and the components of a business information system, including "hands-on" exposure to office productivity applications, and learning how information technology can be applied to satisfy business needs. For a portion of this course, students must have access to the Microsoft Access software (only available in PC versions: NO Mac compatible versions available).

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUS 120 - Principles of Business (LEC - Lecture)

Description

This course surveys the fundamentals of American business enterprise and examines the foundations and responsibilities of accounting, management, finance, marketing, and the business environment.

Credits

3

Prerequisites

Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUS 250 - Applied Mathematics in Business (LEC - Lecture)

Description

This course provides students with problem-solving and quantitative reasoning skills essential in business. Beginning with a review of relevant concepts from algebra, it covers topics in the mathematics of finance, calculus emphasizing business applications, probability, and introductory statistics. This course uses a financial calculator and spreadsheets.

Credits

3

Prerequisites

Placement in MATH 135 or equivalent or higher **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Business Law

BLAW 200 - Legal Environment of Business (LEC - Lecture)

Description

This course introduces the nature and development of law in the United States, with a particular emphasis on how the law applies to businesses and how the law adapts and remains relevant in the face of constantly changing economic, political, social, and technological conditions. It includes a study of business documents, how business entities are created and operated, the role of government in regulating businesses, and ethical implications of business and legal decisions.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Business Technology

BUSN 121 - Introduction to Word Processing (LEC - Lecture)

Description

The course covers proper keyboarding techniques, word processing concepts (Microsoft Word), and document formatting of letters, memos, tables, reports, and e-mail. Basic file management and operating system functions are included. Keyboarding speed and accuracy are emphasized.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUSN 123 - Word Processing for Business (LEC - Lecture)

Description

This course uses advanced features from a word processing program to create business documents emphasizing production and proofreading. Integrates knowledge of the Internet and the computer. Includes timed computer keyboarding skills for creating and editing business documents and sending electronic attachments.

Credits

3

Prerequisites

Type 35 gwam (gross words a minute) **OR** BUSN 121 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ENG22 - Introduction to Composition

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUSN 158 - Social Media and Cloud-Based Collaboration for Business (LEC - Lecture)

Description

This course introduces students to social media, collaboration, and web tools as they relate to business. Students learn how to effectively create, maintain, and update blogs, social media sites, internal/external collaboration, and communication tools. Organizational management of cloud storage will be covered. (Formerly BUSN 197E)

Credits

3

Prerequisites

None.

Recommended Course Preparation

BUS101 - Business Info Systems
BUSN123 - Word Processing for Business
ENG22 - Introduction to Composition

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUSN 159 - Creating and Managing the Virtual Office (LEC - Lecture)

Description

This course will explore concepts and issues involved in establishing a virtual assistant business. Students will use integrated software applications to complete assignments, create projects, conduct research, and identify the components of a business plan.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval **AND** BUS 101 with a grade of C or better **OR** ICS 101 with a grade of C or better **OR** equivalent **OR** instructor approval **AND** BUSN 123 with a grade of C or better **OR** equivalent **OR** instructor approval **AND** BUSN 164 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUSN 164 - Career Success (LEC - Lecture)

Description

This course presents concepts and theories relating to workplace behavior and managing one's attitude and relationships for workplace effectiveness.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Recommended Course Preparation

BUS101 - Business Info Systems

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUSN 166 - Professional Employment Preparation (LEC - Lecture)

Description

This course facilitates employment search by emphasizing professional techniques and standards in the preparation of application forms, resumes, cover letters, and employment interviews.

Credits

1

Prerequisites

None.

Recommended Course Preparation

BUSN123 - Word Processing for Business

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

BUSN 170 - Records and Information Management (LEC - Lecture)

Description

This course studies principles and procedures for organizing and operating Records and Information Management (RIM) programs. Topics include: selection of filing systems, equipment, and supplies; procedures for storage, retrieval, transfer, retention, and disposal of records; records inventory and analysis; records protection and disposition; study and application of Association of Records Managers and Administrators (ARMA) rules for alphabetic, geographic, numeric, and subject methods. This course prepares students to assist a business or organization to meet its fiscal, legal, and governmental requirements by managing its information systems.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUSN 188 - Business Calculations (LEC - Lecture)

Description

This course introduces various quantitative computational procedures used in accounting and finance such as present and future value concepts, payroll, inventory, and international currency exchange rates. Utilization of the electronic 10-key pad as a tool for calculating will be stressed.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

BUSN 193V - Cooperative Education (COP - Cooperative Ed/Work Experience)

Description

This course provides practical career-related work experience through a program used nationally in colleges and universities to apply classroom knowledge and to develop job competencies. Full-time or part-time work in private and public sectors is utilized for this program. The number of credits earned depends upon the number of hours spent at the job station during the semester. Leeward CC: To receive credit for Cooperative Education, a student must complete a minimum of 60 work hours per credit and attend Cooperative Education required seminars. Work must be supervised by an approved employer in the public or private sector of the community. For example, a student registered in three credit hours will need to work a minimum of 180 hours during the semester and attend all Cooperative Education seminars. It is a minimum course requirement that the required work hours be completed within the semester. May be repeated but cannot exceed nine (9) credits total.

Credits

1 - 4

Prerequisites

BUSN 164 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			16

Chemistry

CHEM 100 - Chemistry and Society (LEC - Lecture)

Description

Brief introduction to basic principles of chemistry and their relationship to the modern world. This course provides a general education core course for the non-science major. Emphasis will be placed on how science and technology affect the individual, society and the environment. Topics to be treated include: air and water pollution, energy resources, and basics of physical and biochemistry.

Credits

3

Prerequisites

MATH 88X with a grade of CR **OR** Placement in MATH 103 **OR** higher STEM math **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

CHEM 100L - Chemistry and Society Lab (LAB - Laboratory)

Description

This course is an introduction to laboratory techniques and experimental methods of chemistry intended for students preparing for careers in non-science fields.

Credits

1

Prerequisites

CHEM 100 with a grade of C or better or concurrently enrolled in CHEM 100 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

CHEM 151 - Elementary Survey of Chemistry (LEC - Lecture)

Description

This is an introductory course to the fundamental theories and experimental methods of chemistry intended for students preparing for careers in medical technology, nursing, life sciences, and other technical fields. The basic language and quantitative relationships of chemistry are studied, as well as the theories of atomic structure, chemical bonding, structure-property relationships, and chemical reactions.

Credits

3

Prerequisites

MATH 88X with a grade of CR **OR** Placement in MATH 103 **OR** higher STEM math **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

CHEM 151L - Elementary Survey of Chemistry Lab (LAB - Laboratory)

Description

This course is an introduction to laboratory techniques and experimental methods of chemistry. The course is intended for students preparing for careers in medical technology, nursing, life sciences, and other technical fields.

Credits

1

Prerequisites

CHEM 151 with a grade of C or better or concurrently enrolled in CHEM 151 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

CHEM 161 - General Chemistry I (LEC - Lecture)

Description

CHEM 161 is the first course of a two-course sequence designed to meet the one-year requirement of general college chemistry. It covers the basic principles of inorganic chemistry including scientific measurement, one dimensional analysis, atomic structure, chemical bonding, both physical and chemical properties of matter, solution chemistry, thermochemistry, and gas laws.

Credits

3

Prerequisites

MATH 103 with a grade of C or better **OR** in a higher MATH STEM course **OR** instructor approval.

Recommended Course Preparation

CHEM151 - Elementary Survey of Chemistry

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

CHEM 161L - General Chemistry I Lab (LAB - Laboratory)

Description

This is a laboratory course, which accompanies CHEM 161. This course is open to students who have earned at least a C grade or concurrently enrolled in CHEM161. This course allows students to gain familiarity with laboratory techniques and apparatus, and to apply their knowledge of concepts from CHEM 161 in a laboratory situation. Prior to each lab, students read the lab manual and complete a pre-laboratory report if applied. All students must complete mandatory safety training to participate in the course, this training is provided at the first class meeting.

Credits

1

Prerequisites

MATH 103 with a grade of C or better **OR** in a higher MATH STEM course **AND** CHEM 161 with a grade of C or better or concurrently enrolled in CHEM 161.

Recommended Course Preparation

CHEM151 - Elementary Survey of Chemistry

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

CHEM 162 - General Chemistry II (LEC - Lecture)

Description

The second course of a two-course sequence designed to meet the one-year requirement of general college chemistry. Concepts and topics include thermochemistry, kinetics, acid-base equilibrium, solubility equilibrium, and electrochemistry with an emphasis on problem solving.

Credits

3

Prerequisites

CHEM 161 with a grade of C or better **AND** MATH 135 with a grade of C or better **OR** higher MATH STEM course **OR** Instructor Approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

CHEM 162L - General Chemistry II Lab (LAB - Laboratory)

Description

This is a laboratory course that accompanies CHEM 162, the second course of a two-course sequence designed to meet the one-year requirement of general college chemistry. Experiments are performed that relate to the lecture material in CHEM 162. The student will develop competency in using laboratory equipment and laboratory report writing skills.

Credits

1

Prerequisites

CHEM 161L with a grade of C or better **AND** CHEM 162 with a grade of C or better or concurrently enrolled in CHEM 162 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

CHEM 272 - Organic Chemistry I (LEC - Lecture)

Description

This course is the first semester of a comprehensive study of organic chemistry including: molecular structure, nomenclature, stereochemistry, spectroscopy, reactions, reaction mechanisms, and synthesis of organic compounds. (Formerly lecture part of CHEM 272B.)

Credits

3

Prerequisites

CHEM 162 with a grade of C or better **OR** CHEM 162B with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

CHEM 272L - Organic Chemistry I Lab (LAB - Laboratory)

Description

This is the first semester laboratory course in organic chemistry covering molecular structure, stereochemistry, mechanisms, reactions, and synthesis of organic compounds. (Formerly lab part of CHEM 272B)

Credits

2

Prerequisites

CHEM 162L with a grade of C or better **AND** CHEM 272 with a grade of C or better or concurrently enrolled in CHEM 272 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		4	

CHEM 273 - Organic Chemistry II (LEC - Lecture)

Description

This course is the second semester of a comprehensive study of organic chemistry including: molecular structure, nomenclature, stereochemistry, spectroscopy, reactions, reaction mechanisms, and synthesis of organic compounds. (Formerly lecture part of CHEM 273B.)

Credits

3

Prerequisites

CHEM 272 with a grade of C or better **OR** CHEM 272B with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

CHEM 273L - Organic Chemistry II Lab (LAB - Laboratory)

Description

The second semester lab course in organic chemistry covering molecular structure, stereochemistry, spectroscopy, mechanisms, reactions, and synthesis of organic compounds. (Formerly lab part of CHEM 273B)

Credits

2

Prerequisites

CHEM 272L with a grade of C or better or equivalent **AND** CHEM 273 with a grade of C or better or concurrently enrolled in CHEM 273 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		4	

Civil Engineering

CE 270 - Applied Mechanics I (LEC - Lecture)

Description

This course is the study of the statics of particles and rigid bodies, including the analysis of forces, resultants, equilibrium, trusses, frames, machines, centroids, moments of inertia, and friction.

Credits

3

Prerequisites

PHYS 170 with a grade of C or better **AND** MATH 243 with a grade of C or better or concurrently enrolled in MATH 243.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

CE 271 - Applied Mechanics II (LEC - Lecture)

Description

This course is the study of the dynamics of particles and rigid bodies. Kinematics, the geometric description of motion, and kinetics, the effects of forces on motion, are covered.

Credits

3

Prerequisites

CE 270 with a grade of C or better **AND** MATH 244 with a grade of C or better or concurrently enrolled in MATH 244.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Communication

COM 210 - Intercultural Communication (LEC - Lecture)

Description

This course explores cultural influences on communication. Students develop strategies to navigate intercultural interactions and communicate effectively across diverse contexts.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Culinary Arts

CULN 111 - Introduction to the Culinary Industry (LEC - Lecture)

Description

This course provides an overview of the culinary industry within the aspects of the entire hospitality industry. It provides students with an introduction to the historical, social, and cultural forces that have affected and shaped the industry of today. Students will identify job qualifications and opportunities, professional standards, communication skills, and attitudes essential for successful workers in the industry.

Credits

2

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2		

CULN 112 - Sanitation and Safety (LEC - Lecture)

Description

This course addresses the study and application of the principles and procedures of sanitation and safety in the hospitality industry. Includes the study of food-borne illnesses, biological, chemical and physical hazards, and cross-contamination as they may occur during the flow of food. An introduction to Hazard Analysis Critical Control Point (HACCP) and other sanitation and safety programs will also be presented. Safety issues, ServSafe certification or equivalent, and Occupational Safety and Health Administration (OSHA) guidelines and standards will be covered as they apply to the hospitality industry.

Credits

2

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2		

CULN 115 - Menu Merchandising (LEC - Lecture)

Description

This course studies the factors involved in planning effective menus for a variety of food service operations. The course includes the design, format, selection, costing, pricing, and a balance of menu items based on an understanding of the needs of various target markets.

Credits

2

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2		

CULN 120 - Fundamentals of Cookery (SHP - Shop)

Description

This course is an introduction to the fundamental concepts, skills, and techniques of food preparation. Course coverage includes the use of standardized recipes, basic cooking methods for meats, stocks, soups, sauces, seafood, vegetables, and starches. Students will learn to identify, use, and maintain all equipment, tools, and utensils in a safe and sanitary manner.

Credits

5

Prerequisites

CULN 112 with a grade of C or better or concurrently enrolled in CULN 112 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			12

CULN 125 - Fundamentals of Cookery II (SHP - Shop)

Description

This course focuses on the fundamental concepts, skills and techniques of basic garde manger, breakfast, and short-order cookery skills. Content includes basic salads and salad dressings; the handling, storage and preparation of fruits and vegetables, including decorative garnishes; cold food presentation using plates, platters and trays; basic egg and breakfast items, including quick breads; and short order line cookery.

Credits

5

Prerequisites

CULN 120 with a grade of C or better or concurrently enrolled in CULN 120 **AND** CULN 112 with a grade of C or better or concurrently enrolled in CULN 112.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			12

CULN 150 - Fundamentals of Baking (SHP - Shop)

Description

This course is an introduction to the fundamental concepts, skills, and techniques of basic baking. Special emphasis is placed on the study of ingredient functions, product identification, weights, measures, and proper use and maintenance of bakeshop tools and equipment. Students identify the basic baking concepts and techniques in preparing items, such as quick breads, yeast breads, pies, cakes, cookies, dessert sauces, custards, and creams.

Credits

5

Prerequisites

CULN 112 with a grade of C or better or currently enrolled in CULN 112 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			12

CULN 160 - Dining Room Operations (SHP - Shop)

Description

This course addresses the study and application of the variety of service styles and techniques practiced by industry with special emphasis on the importance of the relationship coordination between the front and the back of the house. It includes the study of the principles, practices, responsibilities, and liabilities associated with alcohol service.

Credits

5

Prerequisites

CULN 112 with a grade of C or better or concurrently enrolled in CULN 112 **AND** CULN 223 with a grade of C or better or concurrently enrolled in CULN 223 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			12

CULN 223 - Contemporary Cuisines (SHP - Shop)

Description

In a fast-paced restaurant environment, students plan, organize, and prepare menu items typically served in an upscale dining establishment specializing in European, Asian, and American regional cuisine with an emphasis on contemporary menu trends, cross-cultural influences, flavor combinations, and plate presentation. Students will develop an awareness of and utilize locally grown and produced ingredients.

Credits

5

Prerequisites

CULN 125 with a grade of C or better **AND** CULN 150 with a grade of C or better **AND** CULN 224 with a grade of C or better **OR** CULN 160 with a grade of C or better or concurrently enrolled in CULN 160 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			12

CULN 224 - Asian/Continental Cuisine (SHP - Shop)

Description

In this course, students expand upon fundamental cooking skills and techniques and study regional cuisines. Students learn about traditional food ingredients and their uses, flavorings, regional cooking methods, and general characteristics of various cuisines. Emphasis is placed upon technique, speed, timing, plate presentation, organization, and teamwork.

Credits

5

Prerequisites

CULN 125 with a grade of C or better **AND** CULN 150 with a grade of C or better or concurrently enrolled in CULN 150 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			12

CULN 241 - Garde Manger II (SHP - Shop)

Description

This course builds upon the fundamental knowledge of cold food preparation. This course covers the preparation of pâtés, terrines, galantines, canapés, hot and cold hors d'oeuvres, appetizers, mousses, and gelatins. Course content also includes the techniques of cold food decoration, cold platter design and presentation, and the design and planning of buffets.

Credits

3

Prerequisites

CULN 120 with a grade of C or better **AND** CULN 125 with a grade of C or better **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			7.2

CULN 243 - Farm-to-Retail: Value-Added Product Development (SHP - Shop)

Description

Students will produce a variety of value-added food products with retail market potential from locally farmed, raised, cultivated, and sourced produce, meats, poultry, seafood, fish, etc. Various food preparation, cooking, baking, and preservation techniques will be utilized to create pickles; sauces;

vinaigrettes, dressings & marinades; flavored oils & vinegars; condiments, such as mustards, chutneys & compotes; juices; cured, brined, and/or smoked meats, poultry, & seafood; sausages & other charcuterie; and baked goods & preserves, such as quick breads, cookies, curds, jams, & candies.

Credits

3

Prerequisites

CULN 112 with a grade of D or better or concurrently enrolled in CULN 112 **OR** instructor approval.

Recommended Course Preparation

CULN120 - Fundamentals of Cookery
CULN150 - Fundamentals of Baking

Contact Hours (per week)

	Lecture	Lab	Other
Hours			7.2

CULN 273 - Culinary Purchasing and Cost Management (LEC - Lecture)

Description

This course is a study of the overall concept of purchasing and receiving practices and cost control systems associated with commercial restaurants, hotels, and institutional settings. Content includes the flow of foods in a food service operation, purchasing methods, (purchasing, receiving, storing, issuing) legal and ethical considerations of purchasing, and controlling inventory, and costs.

Credits

3

Prerequisites

CULN 111 with a grade of C or better **AND** CULN 125 with a grade of C or better **AND** MATH 100 with a grade of C or better or higher **OR** Instructor approval.

Recommended Course Preparation

CULN112 - Sanitation and Safety

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

CULN 276 - Human Resources Management and Supervision in the Hospitality Industry (LEC - Lecture)

Description

This course is designed to prepare students for the transition from employee to supervisor in a food service operation. Students will learn to identify and evaluate various leadership styles and develop skills in human relations and personnel management. Course content also includes employee training, motivation and evaluation techniques, laws and regulations that affect restaurant and food service operations, and employee benefits.

Credits

2

Prerequisites

CULN 160 with a grade of C or better **OR** Instructor approval.

Recommended Course Preparation

ENG100 - Composition I

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2		

CULN 293C - Culinary Externship (COP - Cooperative Ed/Work Experience)

Description

This externship experience will provide students an opportunity to apply their professional and culinary skills in restaurant and hotel settings. Students will complete 150 hours to gain on-the-job experiences. (Formerly CULN 293E)

Credits

2

Prerequisites

CULN 150 with a grade of C or better **AND** CULN 160 with a grade of C or better **AND** CULN 223 with a grade of C or better **AND** CULN 224 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		10

Dance

DNCE 108 - Hatha Yoga: Beginning (LAL - Lecture & Lab Instruction)

Description

This course will study the theory and history, and practice of the yoga tradition with an emphasis on the practice of hatha yoga postures. Sanskrit terminology is incorporated throughout the course. May be repeated once for additional credits.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		3

DNCE 121 - Beginning Ballet Technique (LAL - Lecture & Lab Instruction)

Description

This course introduces students to basic vocabulary and movement techniques that identify ballet as a unique performance art. Students engage in physical practice to gain mastery of the fundamentals of ballet technique. (Formerly DNCE 197B)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		3

DNCE 122 - Continuing Ballet Technique (LAL - Lecture & Lab Instruction)

Description

This course provides a continuing course in the art and performance of ballet at a beginning level. Students will develop their understanding of ballet vocabulary and mastery of ballet techniques through continued physical practice in combinations of increasing complexity.

Credits

3

Prerequisites

DNCE 121 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		3

DNCE 131 - Beginning Contemporary Dance Technique (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to contemporary dance technical skills and creative processes for the beginner. No dance experience is necessary. Students learn body alignment, physical conditioning, dance actions, exercises, and combinations. A variety of music is used. May be repeated once for additional credit.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		3

DNCE 132 - Continuing Contemporary Dance Technique (LAL - Lecture & Lab Instruction)

Description

This course is a continuation of the study of Beginning Contemporary Dance Technique. Technical skills and processes, with an emphasis on developing personal responsibility and discipline. Students further develop body alignment, physical conditioning, dance steps, actions, exercises, and combinations. A variety of music is used. May be repeated once for additional credit.

Credits

3

Prerequisites

DNCE 131 with a grade of C or better **OR** equivalent **OR** instructor approval

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		3

DNCE 180 - Dance Production (LAL - Lecture & Lab Instruction)

Description

This course will include the creation of a dance, choreographed by faculty and rehearsed and performed by the students at the Leeward CC Dance Concert on the main stage in the Leeward CC Theatre. This concert brings together dancers and choreographers from various dance programs in high schools, UH Manoa, and independent dance companies. May be repeated three times for additional credits.

Credits

1

Prerequisites

DNCE 131 with a grade of C or better or concurrently enrolled in DNCE 131 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			2

Digital Media

DMED 126 - Introduction to Digital Camera Operation, Composition, & Lighting Principles (LEC - Lecture)

Description

This course introduces students to contemporary digital video cameras, operating controls, monitoring, and camera mounting systems. Topics covered include the use of field and studio cameras and basic lighting principles with an emphasis on safety and operation as illustrated in theory and application. (Formerly TVPR 126)

Credits

3

Prerequisites

DMED 142 with a grade of C or better or concurrently enrolled in DMED 142 **AND** DMED 151 with a grade of C or better or concurrently enrolled in DMED 151 **OR** instructor approval.

Recommended Course Preparation

ENG100 - Composition I
MATH100 - Survey of Mathematics

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 131 - Introduction to Digital Video (LEC - Lecture)

Description

This course introduces digital video production techniques, including camera operation and procedures, basic principles and techniques of sound, and digital video editing. Course topics include the operation of digital Prosumer camcorders, lighting and sound equipment, and the concepts and techniques of nonlinear digital editing with emphasis on the principles and aesthetics of film and video editing.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

DMED130 - Pre-Production for Digital Video

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 133 - Sound Design for Digital Media (LEC - Lecture)

Description

This course teaches the utilization of audio within the context of digital media production. Elements of sound design, production, and implementation will be covered along with legal and copyright issues. A survey of current technology and techniques used in media production will be included within the course.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 140 - Principles of Animation (LEC - Lecture)

Description

This course focuses on the principles and history of animation. Students will review live action and animated examples, learning the mysteries of making an animated character come to life. Topics include animation history, animation principles, and how the timeline in a graphics software program can give movement to individual frames. Students will focus on traditional animation principles and how they are effectively applied in digital animation environments. Additional topics include key-framing strategies, timing, and visual rhythm.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 141 - Introduction to 3D Animation (LEC - Lecture)

Description

This is a course in the design and production of 3D animation and visual effects for film, television, and multimedia applications. Topics include 3D rendering, the relationship between 2D and 3D animation, and multimedia concepts and production procedures.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

DMED140 - Principles of Animation

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 142 - Film & Video Audio Acquisition & Recording (LEC - Lecture)

Description

This course delivers the theory, knowledge, and skills required for audio acquisition and recording as applied to film and video production. Topics to be covered include audio theory, microphones, pickup patterns, frequency and amplitude, digital and analog signals, mixers, recording techniques, production audio devices, Foley, channels and tracks, sound effects, music, troubleshooting, mixing, and monitoring equipment. (Formerly TVPR 142)

Credits

3

Prerequisites

DMED 126 with a grade of C or better or concurrently enrolled in DMED 126 **AND** DMED 151 with a grade of C or better or concurrently enrolled in DMED 151 **OR** instructor approval.

Recommended Course Preparation

ENG100 - Composition I
MATH100 - Survey of Mathematics

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 150 - Film Analysis & Storytelling (LEC - Lecture)

Description

This course covers the techniques of effective storytelling in film and video through analysis of film transitions, shot types and angles, montage, mise-en-scene, blocking, and camera movement. Story structure, character construction, and development will be examined. A history of film will also be explored.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 151 - Introduction to Film & Video Editing Principles (LEC - Lecture)

Description

This course is an introduction to editing film and video in non-linear digital formats. Topics will include the grammar of the edit, continuity editing, pacing, timing, integration of graphics, contemporary formats, editing strategies and methodologies, contemporary editing software operation, the manipulation of audio and creation of simple soundtracks. (Formerly TVPR 151)

Credits

3

Prerequisites

DMED 126 with a grade of C or better or concurrently enrolled in DMED 126 **AND** DMED 142 with a grade of C or better or concurrently enrolled in DMED 142 **OR** instructor approval.

Recommended Course Preparation

ENG100 - Composition I
MATH100 - Survey of Mathematics

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 160 - Media Literacy and Ethics (LEC - Lecture)

Description

This course explores media literacy, ethics, and law. Ethical principles and standards are explored in relation to digital media and Internet content. Course topics include: media and democracy, deconstructing media messages, copyright and intellectual property, digital media distribution, global perspectives on media, and the social responsibility of media makers. The course explores the advertising, journalism, television, film, and gaming industries.

Credits

3

Prerequisites

Concurrently enrolled in ENG 22 **OR** placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 200 - Electronic Portfolio (LEC - Lecture)

Description

This course instructs students on the contemporary methodologies to digitize and store student portfolio projects using a range of technologies and multimedia elements. Students summarize all work done in previous courses and develop them into a presentation format that reflects current media trends.

Credits

3

Prerequisites

DMED 240 with a grade of C or better or concurrently enrolled in DMED 240 **OR** DMED 242 with a grade of C or better or concurrently enrolled in DMED 242 **OR** DMED 243 with a grade of C or better or concurrently enrolled in DMED 243 **OR** TVPR 251 with a grade of C or better or concurrently enrolled in TVPR 251 **OR** TVPR 294 with a grade of C or better or concurrently enrolled in TVPR 294 **OR** ART 207D with a grade of C or better or concurrently enrolled in ART 207D **OR** ART 277D with a grade of C or better or concurrently enrolled in ART 277D **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 211 - Intro to Film & Video Storytelling & Scriptwriting (LEC - Lecture)

Description

Students enrolled in this course will study fiction and non-fiction storytelling forms in film and video. Various genres will be explored and examined. Brainstorming, concepts, treatments, pitching, storyboarding, and scriptwriting formats will be emphasized. Students will produce their own scripts for both film projects shot on video and television projects. (Formerly TVPR 211)

Credits

3

Prerequisites

Placement in ENG 100 **AND** DMED 151 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ENG100 - Composition I
MATH100 - Survey of Mathematics

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 226 - Applied Digital Camera Operation, Composition, & Lighting (LEC - Lecture)

Description

This course refines and builds on the introductory abilities, knowledge, and skills of basic camera operation, and basic lighting equipment and techniques from the prerequisite TVPR 126. Students will apply that technical knowledge to specific projects. Projects will include criticism and duplication of existing film and video scenes, then move on to creation of independent student projects selected from various genres including narrative drama, news, public service, and documentary storytelling. (Formerly TVPR 226)

Credits

3

Prerequisites

DMED 126 with a grade of C or better **AND** DMED 151 with a grade of C or better **AND** DMED 252 with a grade of C or better or concurrent enrollment in DMED 252 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 227 - Advanced Film & Video Storytelling & Scriptwriting (LEC - Lecture)

Description

This course builds upon knowledge and skills from DMED 211 - Introduction to Film/Video Storytelling & Scriptwriting. Students will generate fiction and non-fiction stories for visual media in various genres. The stories will then be produced in standard professional film and video script and storyboard forms. Emphasis is on dramatic narrative form, including classic act structures, plot, characterization, and visualization. (Formerly TVPR 227)

Credits

3

Prerequisites

DMED 211 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 240 - Animation & Special Effects (LEC - Lecture)

Description

This course focuses on advanced 2D animation techniques for film, television, and multimedia. Students will further enhance motion concepts in animation and develop advanced compositing, sound, and editing skills.

Credits

3

Prerequisites

DMED 140 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 241 - 3D Motion Graphics (LEC - Lecture)

Description

This course trains students to create broadcast-quality motion graphics for TV and Internet. Building on skills learned in DMED 141, students will conceive and develop 3D motion graphic projects, such as station identifications, show titles, corporate logo animations, and the like. Students will learn to use 3D software in conjunction with digital compositing software to create an industry-standard motion graphics showreel. Topics include storyboarding, modeling, typography, animation, and compositing.

Credits

3

Prerequisites

DMED 141 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

DMED140 - Principles of Animation
DMED240 - Animation & Special Effects

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 242 - Character Animation (LEC - Lecture)

Description

This course moves deeper into the heart of animation studying techniques in character design and animation. The focus is on storytelling, filmmaking, performance and actually making a movie. Students will begin developing stories and characters. Dialogue, lip sync, and character interaction will be explored in detail.

Credits

3

Prerequisites

DMED 141 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 243 - 3D Modeling and Animation (LEC - Lecture)

Description

This course covers the concepts of 3D modeling and animation. Students will establish a foundation of 3D computer animation theory and concepts along with an introduction to curves, surfaces, nurbs, polygons, textures, modeling, animation, lighting, and rendering.

Credits

3

Prerequisites

DMED 141 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 251 - Media Entrepreneurship (LEC - Lecture)

Description

This course introduces students to entrepreneurship in the media industries. Course content includes: principles of entrepreneurship, media economics, and evolving business models for the media industries. Students will identify, develop, and pitch ideas for media businesses, while learning to fund, operate, and manage media companies. State-specific business and legal concerns are covered.

Credits

3

Prerequisites

DMED 240 with a grade of C or better or concurrently enrolled in DMED 240 **OR** DMED 242 with a grade of C or better or concurrently enrolled in DMED 242 **OR** DMED 243 with a grade of C or better or concurrently enrolled in DMED 243 **OR** TVPR 294 with a grade of C or better or concurrently enrolled in TVPR 294 **OR** ART 207D with a grade of C or better or concurrently enrolled in ART 207D **OR** ART 277D with a grade of C or better or concurrently enrolled in ART 277D **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 252 - Applied Film & Video Editing & Post-Production Audio (LEC - Lecture)

Description

This course combines editing methods with multi-track audio channels to produce a complete film or video product. Topics include mastery of the tools of editing, context, transitions, graphics, 2-D motion,

time expansion and contraction, complex editing, video manipulation, and advanced aesthetics will be emphasized. In addition, advanced audio techniques utilizing multi-track soundtracks and audio effects will be integrated with pictures in order to produce a unified video production. (Formerly TVPR 251)

Credits

3

Prerequisites

DMED 226 with a grade of C or better or concurrently enrolled in DMED 226 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 261 - Digital Media Marketing and Online Distribution (LEC - Lecture)

Description

This course provides an overview of best practices for leveraging video sharing platforms, social networks, websites, search engines, and other online tools. Learn to integrate and utilize these tools to distribute, market, and monetize media content online.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Recommended Course Preparation

DMED131 - Introduction to Digital Video

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 291 - Film & Video Directing-Studio/Location Production (LEC - Lecture)

Description

This course concentrates on directing techniques and skills for both film and video in the studio, on location, and during electronic field productions. (Formerly TVPR 291)

Credits

3

Prerequisites

DMED 226 with a grade of C or better **AND** DMED 252 with a grade of C or better **AND** DMED 294 with a grade of C or better or concurrently enrolled in DMED 294 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 292 - Media Project Production (LEC - Lecture)

Description

This terminal course in the DMED video production program will require students to apply all appropriate skills and knowledge gained in the Associate in Science DMED degree program to produce a final ten-minute production. (Formerly TVPR 292)

Credits

3

Prerequisites

DMED 291 with a grade of C or better **AND** DMED 294 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

DMED 294 - Advanced Editing & Audio (LEC - Lecture)

Description

This course concentrates on the knowledge, skills, and application of advanced film and video editing techniques, practice and design of 2D motion graphics, and creation of a final multi-track soundtrack for productions. (Formerly TVPR 294)

Credits

3

Prerequisites

DMED 252 with a grade of C or better **AND** DMED 291 with a grade of C or better or concurrently enrolled in DMED 291 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

E Commerce

ECOM 100 - Introduction to E-Commerce (LEC - Lecture)

Description

This course provides an introduction to the technology and history of the internet and its use as an electronic commerce medium from informational websites to full online retail systems. Included in this

introductory survey course will be an analysis and evaluation of retail and business-to-business Internet-based systems. Coursework includes an analysis of e-commerce websites and internet and email marketing techniques.

Credits

3

Prerequisites

None.

Recommended Course Preparation

BUS101 - Business Info Systems

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Earth Sciences

ERTH 101 - Introduction to Geology (LEC - Lecture)

Description

Lecture course in the fundamentals of physical geology covering rocks and minerals, volcanoes, earthquakes, external processes of weathering, mass wasting, erosion, the internal processes of magma movement, and the dynamics of plate tectonics. Field trips to nearby sites to study local geology are optional. An optional lab course, ERTH 101L, is offered, and students could register concurrently in the lab course. (Formerly GG 101)

Credits

3

Prerequisites

Placement in ENG 100 **AND** placement in MATH 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ERTH 101L - Introduction to Geology Lab (LAB - Laboratory)

Description

Laboratory course offered as an optional part of the Dynamic Earth lecture course. The class will study structure and properties of the earth, rocks, and minerals; make topographic maps, interpret geologic maps; interpret seismic data, groundwater properties, and geological timescale. On-campus field trips conducted to learn about surface phenomena are optional. Class meets for 3 hours of lab per week (Formerly GG 101L).

Credits

1

Prerequisites

ERTH 101 with a grade of C or better or concurrently enrolled in ERTH 101 **OR** ERTH 103 with a grade of C or better or concurrently enrolled in ERTH 103 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

ERTH 103 - Geology of the Hawaiian Islands (LEC - Lecture)

Description

Hawaiian geology and geologic processes: origin of Hawaiian Islands, volcanism, rocks and minerals, geomorphology, stream processes, coastal geology, landslides, earthquakes and tsunami, groundwater, and geological and environmental hazards. Field trips arranged. (Formerly GG 103)

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ERTH 111 - Introduction to Volcanoes (LEC - Lecture)

Description

This course examines the origin and classification of volcanoes, volcanic eruptions, and volcanic deposits. The course includes the history of volcanic studies, myths, and legends, with an emphasis on volcanic eruptions, eruptive products, volcanic hazards, and risk management.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Economics

ECON 120 - Introduction to Economics (LEC - Lecture)

Description

One semester survey of the principles of microeconomics and macroeconomics to enable students in all disciplines to understand current economic events.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ECON 130 - Principles of Microeconomics (LEC - Lecture)

Description

Examination of the decision-making process of both households and firms. Analysis of the functioning of a competitive market system, using supply and demand models and the role of government in cases where the market system fails. Additional topics include the effects of international rate on the welfare of a nation and the effects of different competitive market structures on society.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ECON 131 - Principles of Macroeconomics (LEC - Lecture)

Description

An introduction to macroeconomics–the study of the overall economy. Topics include the determination of national income, causes and effects of inflation, unemployment, and income inequality; causes and consequences of international differences in economic growth; sources of business cycle expansions and contractions; role of government policy in stabilizing the economy and promoting long-term growth; financial markets and monetary policy; taxes, spending, consequences of budget deficits, determination of trade imbalances, exchange rate fluctuations, and balance of payment crises.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Education

ED 100 - Introduction to Education and Teaching (LEC - Lecture)

Description

This is an introductory course in which students will learn about the teaching profession, the professional teacher, and the learner. The roles and responsibilities of the educator and the educational system in Hawai‘i will be examined. Students will also learn about diverse learners and learning styles and theories. Creating a positive learning environment, managing classrooms effectively, and developing and implementing standards-based lesson plans will be covered.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 143 - Registered Behavior Technician Training Credential (LEC - Lecture)

Description

This course is based on the Registered Behavior Technician (RBT) Task List, which is part of an internationally recognized 40-hour RBT training that equips professionals with the highest level of Applied Behavior Analytic training. The program is offered independent of the Behavior Analyst Certification Board (BACB). As the number of children diagnosed with Autism Spectrum Disorder (ASD) continues to increase, so does the need for specially trained and credentialed (certified) professionals and caregivers in the area of Applied Behavior Analysis (ABA). The training covers measurement, assessment, skill acquisition, behavior reduction, documentation and reporting, and professional conduct and scope of practice. In addition to the 40-hour training, students will complete a competency assessment administered by a Board Certified Behavior Analyst (BCBA), which involves an interview and direct observation of competencies based on the RBT Task List. Upon completion of this course, students will be eligible to apply for the RBT examination for their RBT credential.

Credits

1

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

ED 237 - Indigenous Perspectives in Teaching (LEC - Lecture)

Description

Indigenous Perspectives in Teaching analyzes a broad range of instructional strategies, approaches, technologies and worldviews that are practiced among native populations throughout Hawai‘i, Polynesia and the North American continent. This course examines indigenous teaching models from perspectives of Native Hawaiian, Native American, Native Alaskan, Maori and other Pacific island peoples. Students will be able to identify and apply pedagogy from various educational traditions to specifically address Native Hawaiian student learning, and generally support teaching and learning for all students of diverse populations.

Credits

3

Prerequisites

Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 246 - Special Education Teacher Mentor Training (LEC - Lecture)

Description

This introductory course offers students who are current DOE teachers an opportunity to learn to share the foundations of teaching and learning in a special education classroom. Students will develop a comprehensive overview of the general concepts and issues related to supporting interns in the special education setting. Students will develop opportunities for interns to gain exposure to special education law and the compliance responsibilities of a special education teacher. This course supports teachers' modeling of how they identify individual needs for a diverse group of students, outline institutional and learning expectations for all students, and use differentiated instructional strategies and assessments to support learners in meeting their needs and reaching those goals. Students enrolled in this course are expected to demonstrate ethical and respectful behavior within a professional learning environment. (Formerly ED 297)

Credits

3

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 246S - Introduction to Special Education (LEC - Lecture)

Description

This is an introductory course that offers students an opportunity to explore the foundations of teaching and learning in a special education classroom. Students will gain a comprehensive overview of the general concepts and issues related to supporting students in the special education setting. Students are exposed to special education law and the compliance responsibilities of a special education teacher. The course leads students to identify the individual needs of a diverse group of students. It outlines institutional and learning expectations for all students and how to use differentiated instructional strategies and assessments to support learners in reaching those goals. Students are expected to demonstrate ethical and respectful behavior within a professional learning environment. (Formerly ED 297S)

Credits

3

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 277 - Introduction to Multicultural Education (LEC - Lecture)

Description

Building connections and creating a caring culture within the classroom is essential for today's teachers. ED 277 will equip students with the knowledge, skills, and methods to build inclusion within the classroom and advocate for diversity. The course delves into issues of race, ethnicity, socioeconomic status, gender, sexual identity, language, and conflicting values between cultures. Students will acquire strategies to develop and deliver culturally responsive teaching and instruction. They will learn how to develop an awareness of, and sensitivity to, the challenging issues facing K-12 teachers and students in diverse settings. (Formerly ED 294)

Credits

3

Prerequisites

ENG 22 with a grade of CR **OR** ENG 24 with a grade of CR **OR** placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 279 - Educational Media and Technology (LEC - Lecture)

Description

Introduction to theories, application of principles, and acquisition of practical skills of educational media relevant to teaching/learning situations in the classroom as well as non-school settings. (Formerly ED 297A)

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 282 - Collaboration: Roles and Responsibilities as a Member of the Multidisciplinary Team (LEC - Lecture)

Description

This course is designed to provide teachers with knowledge of collaborative and co-teaching models of instruction and to prepare them to implement these models in their schools and classrooms. While co-teaching can be a rewarding experience for students and professionals, understanding its elements and foundations is critical in creating a positive learning environment for students. Co-teaching requires not only pedagogical skill on the part of the participating teachers, but also a willingness to share and collaborate in the teaching of all students in special education and inclusion classrooms. This course is consistent with state and local educational goals, including the focus on activities that participants will apply to real-world settings. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 282C - Collaboration and Teaming Practicum (OTH - Other)

Description

This course is designed to provide students with knowledge of collaborative and co-teaching models of instruction and to prepare them to implement these models in their schools and classrooms.

Credits

1

Prerequisites

Placement in ENG 100 **AND** ED 282 with a grade of C or better or concurrently enrolled in ED 282 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			1

ED 283 - Family-Professional Partnerships in Education (LEC - Lecture)

Description

This course focuses on the skills necessary for working effectively with families of all students. Instruction will include family system theory; characteristics/functions of families; relevant law and policy such as the Individuals with Disabilities in Education Act (IDEA) and requirements for family participation; strategies for communication and collaboration with all families. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 284 - Foundations of Inclusion in Teaching (LEC - Lecture)

Description

Foundations of Inclusion in Teaching explores potential teachers' perspectives on bias, growth mindset, and professionalism in an inclusive educational setting. We examine both historical and contemporary educational contexts as they apply to laws, policies, and practices that support special student populations. The curriculum is focused on the demonstration and application of supportive, diverse, and developmentally-appropriate instructional goals, experiences, and assessments. Special populations in need of an inclusive setting include all students, but this course is specifically focused on Native Hawaiians, students from poverty and low-income communities, English Language Learners, and all students with Individualized Education Programs and special needs. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 285 - Classroom Management in the Instructional Process (LEC - Lecture)

Description

Classroom Management is an introductory course that offers students an opportunity to explore the foundations of teaching and learning. Students will gain a comprehensive overview of the general concepts and issues related to organizing a positive and collaborative learning environment as well as managing students during instruction. Students will explore essential elements of classroom management alongside practical strategies that address a variety of classroom experiences and issues. These elements include school and classroom values, behavioral expectations, procedures and routines, student engagement, clear and diverse instructional delivery, assessment, and professional and ethical decision making in behavior management. Ten hours of field experience and/or observation are required. Students develop a case study of a classroom with particular attention to the management of the social and cultural learning environment as well as instruction. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 289 - Educational Psychology (LEC - Lecture)

Description

This course introduces students to major concepts and principles in the field of Educational Psychology that form the foundations of learning and instruction. Students will examine various development domains and learning theories and translate this knowledge into effective teaching practices for motivating learners with diverse needs. While educational psychology traditionally focuses on the teaching profession, this course is open to all students interested in developing a deeper understanding of how humans learn. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education. (Formerly ED 298)

Credits

3

Prerequisites

ENG 22 with a grade of CR **OR** ENG 24 with a grade of CR **OR** placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 290 - Foundations of Education (LEC - Lecture)

Description

This is an introductory course that provides a broad yet detailed exposure to the American educational system, an introduction to the teaching profession and a knowledge base of contemporary issues in education. Students will examine the structure, culture, and curriculum of schools and the broad forces (historical, philosophical, legal and financial) that shape the foundation of our educational system.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 291 - Developing Language and Literacy I (LEC - Lecture)

Description

This is an introductory class for students interested in becoming educational assistants, as well as teachers, in elementary, secondary, or special education classrooms. Through a balanced literacy approach, instruction will include all areas of Language Arts, including listening, speaking, reading, and writing. The major characteristics of multi-level literacy instruction and assessment techniques will also be examined. Students will complete 10 hours of field experience, which will lead to the final project of a case study.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 295 - Field Experience in Education (LEC - Lecture)

Description

Field Experience in Education is a culmination of the knowledge, skills, and dispositions learned in the Associate in Science in Teaching (AST) program. Students will engage in observations of, and personal reflection on, effective teaching practices and successful student interactions. They will also engage in seminar discussions with their peers about their experiences and observations in the classroom. Students will have the opportunity to work with classroom teachers at the elementary, middle, and/or high school levels to give them a range of exposure to the K-12 educational experience. 45 hours of field experience is required (students can apply 10 hours of field experience from ED 291 and 10 hours of field experience from ED 285 toward the total of 45 hours).

Credits

1

Prerequisites

ED 277 with a grade of C or better **OR** ED 285 with a grade of C or better **OR** ED 290 with a grade of C or better **OR** ED 291 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

ED 296 - Introduction to Art, Music and Creative Movement in the Classroom (LEC - Lecture)

Description

This course will introduce students to the principles, concepts, and values of integrating the arts into elementary or special education classrooms. Engaging students visually, auditorily, and kinesthetically will enhance learning and support instruction. This course will emphasize the arts as a support for a balanced program of instruction across all content areas.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 310A - Classroom Management within the Instructional Process for CTE Teacher Candidates (LEC - Lecture)

Description

An introductory course for CTE Teacher Candidates which offers the student exposure to the various issues of classroom management. The professional role of the teacher, development of positive and inclusive classroom culture, planning for effective instruction, and proactive approaches to supporting

student behaviors and community relationships will be addressed. Learning will focus on the development of value-oriented and organized learning environments. Students will learn how to develop classroom discipline and individualized behavior plans. Behavioral assessment, strategies and interventions will be introduced. Learning styles, theory, instructional assessment, planning, and delivery will be explored. (Formerly ED 285 and ED 285A)

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** instructor approval **AND** acceptance into the Alternative Certification for CTE Teacher Licensure program.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 311A - Foundations of Inclusion in Teaching for CTE Teacher Candidates (LEC - Lecture)

Description

This course is designed to help teacher candidates become more effective teachers, being especially considerate of the diversity of students we will find in our classrooms. The Foundations of Inclusion in Teaching for Career and Technical Education (CTE) helps candidates explore educational practices that support ALL learners, including unique and special education student populations. The course curriculum is focused on developing an understanding of the diversity in your classroom and creating accessible, diverse, developmentally appropriate, and supported instructional goals, learning experiences, and assessments. The inclusive setting in our classrooms includes a unique focus on students from low-income communities and all students with Individualized Education Programs (IEPs) and other special needs. (Formerly ED 284 and ED 284A.)

Credits

3

Prerequisites

ENG 100 with a grade of C or better **AND** acceptance into the Alternative Certification for CTE Teacher Licensure program **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 312A - Educational Psychology for CTE Teacher Candidates (LEC - Lecture)

Description

This course introduces CTE Teacher Candidates to major concepts and principles in the field of educational psychology that form the foundations of learning and instruction. Candidates will examine

various development domains and learning theories and translate this knowledge into effective teaching practices for motivating learners with diverse needs. (Formerly ED 289 and ED 289A)

Credits

3

Prerequisites

ENG 100 with a grade of C or better **AND** PSY 100 with a grade of C or better **OR** instructor approval **AND** acceptance into the Alternative Certification for CTE Teacher Licensure program.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 315 - Safety in CTE Classrooms (LEC - Lecture)

Description

This course equips CTE teacher candidates and/or practicing CTE teachers with the knowledge and skills necessary to create and maintain a safe learning environment for themselves and their students. Through a combination of theoretical instruction, hands-on activities, case studies, and practical exercises, students will learn how to identify potential hazards, implement safety measures, and plan for effective responses to potential emergency situations in CTE classrooms and labs.

Credits

3

Prerequisites

Acceptance into the Alternative Certification for CTE Teacher Licensure program. (Requirements for program admission: Minimum of an Associate Degree and a minimum of 3 years industry experience) or documented completion of a State Approved Teacher Education Program (SATEP)

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 316 - Educational Technology in CTE Classrooms (LEC - Lecture)

Description

This course empowers Career and Technical Education (CTE) classroom teachers to integrate standard and innovative educational and industry-aligned technology into their classrooms effectively. Participants will explore a range of technological tools, strategies, and best practices to enhance CTE instruction, foster student engagement, and prepare students for success in their chosen careers.

Credits

3

Prerequisites

Acceptance into the Alternative Certification for CTE Teacher Licensure program. (Requirements for program admission: Minimum of an Associate Degree and a minimum of 3 years industry experience) or documented completion of a State Approved Teacher Education Program (SATEP)

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 317 - English Language Learner Methods in Career Technical Education (LEC - Lecture)

Description

This course equips Career and Technical Education (CTE) teacher candidates and/or practicing CTE teachers in the secondary level with the knowledge and skills to enhance their instructional practices for effectively teaching English Language Learners (ELLs). Participants will engage in the exploration of evidence-based strategies that address the unique needs of ELLs within vocational and technical education. The curriculum focuses on key topics, including culturally responsive teaching, differentiation techniques, and assessment methods, alongside the integration of language development with practical skills training. Educators will acquire practical tools and resources essential for creating inclusive and supportive learning environments, thereby fostering success for all students in the CTE classroom.

Credits

3

Prerequisites

Acceptance into the Alternative Certification for CTE Teacher Licensure program. (Requirements for program admission: Minimum of an Associate Degree and a minimum of 3 years industry experience) or documented completion of a State Approved Teacher Education Program (SATEP)

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 330 - SPED Law and IEP Development (LEC - Lecture)

Description

This course will give students the opportunity to review special education law, with an emphasis upon Hawaii Administrative Rules, Chapter 60 and the 2004 Reauthorization of the Individuals with Disabilities Act (IDEA). Heavy emphasis will be on Individualized Education Program (IEP) development through examination of required elements of IEPs and simulated IEP team scenarios. Students will be introduced to state and federal special education rules and regulations, practical application of the law, ethical codes, and related professional standards. Students will review curriculum standards and mock student records, participate in mock IEP/Placement meetings, develop mock IEPs and develop methods for monitoring progress. The course will also discuss Section 504 of the Rehabilitation Act of 1973, The No Child Left Behind Act of 2001 and the impact of key laws upon students with disabilities. This

coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education. (Formerly ED 297D).

Credits

3

Prerequisites

Complete 2 years of any associate-level degree **AND** Academic Advisor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 331 - Special Education Assessment (LEC - Lecture)

Description

This course focuses on assessing the exceptional child, including an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/ program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Emphasis will be on using assessment information to determine strengths and needs to design instruction related to Individualized Education Program (IEP) goals and state standards, and to evaluate the effectiveness of that instruction using progress-monitoring techniques. This course will introduce students to commonly used tests and evaluation systems used in public school special education programs. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education. (Formerly ED 297F).

Credits

3

Prerequisites

Complete 2 years of any associate-level degree **AND** Academic Advisor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 332 - English Language Arts Instruction and Interventions (LEC - Lecture)

Description

This course introduces the developmental continuum for literacy. Students will be prepared to assess learners' abilities; select appropriate instructional strategies; design effective instructional programs, leading to increased listening, speaking, reading and writing competencies for all children; and establish assessment strategies to evaluate student progress. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education.

Credits

3

Prerequisites

Complete 2 years of any associate-level degree **AND** Academic Advisor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 334 - Participating in a Professional Community (LEC - Lecture)

Description

This course explores the organizational, personal, and interpersonal aspects of working as a teacher in schools. Course content will prepare students for membership and leadership in a professional learning community and for continuing professional growth. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education.

Credits

3

Prerequisites

Complete 2 years of any associate-level degree **AND** Academic Advisor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 335 - Educational Technology for the Inclusive Classroom (LEC - Lecture)

Description

This course presents an overview of the variety of instructional technology options and considers how these are effective across the curriculum. Educational technology includes the many tools and methods in which technology is used within an educational setting. Students will learn about current trends in education that are directly related to technology. Emphasis is placed on reaching different types of learners, considerations of integration, and assessing effectiveness of technology use for students with special needs in the inclusive classroom. This coursework includes preparation to apply knowledge and skills in important key concepts and methods used in special education.

Credits

3

Prerequisites

Complete 2 years of any associate-level degree **AND** Academic Advisor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 336 - Student Teaching Portfolio (LEC - Lecture)

Description

This course guides students through the process of providing documented evidence of teaching proficiencies aligned with initial preparation standards from the Hawai'i Teachers Standards Board, the Council for Exceptional Children, and the Interstate Teacher Assessment and Support Consortium (InTASC). The portfolio will be assessed as part of the recommendation for licensure in Special Education (SPED) PK-12 in the state of Hawaii.

Credits

3

Prerequisites

ED 330 and ED 331 with a grade of C or better **AND** a Bachelor's degree in any discipline **AND** Academic Advisor approval **AND** ED 393S with a grade of C or better or concurrently enrolled in ED 393S

Recommended Course Preparation

ED332 - English Language Arts Instruction and Interventions
ED334 - Participating in a Professional Community
ED335 - Educational Technology for the Inclusive Classroom

Contact Hours (per week)

	Lecture	Lab	Other
Hours			

ED 392 - Field Practicum Seminar for Alternative Certification for CTE Licensure (LEC - Lecture)

Description

This course will allow students to discuss current trends and issues in education through research, guided discussions, and observations. Students will also gather and document evidence of proficiency in the preparation standards set by the Hawai‘i Teachers Standards Board (HTSB) and the Interstate Teacher Assessment and Support Consortium (InTASC) into a required portfolio to be assessed as a component toward recommendation for licensure in Career and Technical Education (CTE) 6-12 in the State of Hawai‘i.

Credits

3

Prerequisites

ED 310A, ED 311A, ED 312A, ED 393P with a grade of C or better **AND** ED 393S with a grade of C or better or concurrent enrollment in ED 393S **AND** acceptance into the Alternative Certification in Teaching for CTE program **AND** Teacher Education Advisor Approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ED 393P - Practicum I: Alternative Certification for CTE Teacher Licensure (FLD - Fieldwork)

Description

This course provides the training required to prepare CTE teacher candidates to demonstrate the high standards for licensure through supervised practice, regular reflection, and focused debrief. This course also provides regular mentoring and support for the CTE candidates as they intern in a CTE classroom.

Credits

1

Prerequisites

Acceptance into the Alternative Certification for CTE Teacher Licensure program. Requirements for admission: Praxis I with a passing score, minimum of an Associate Degree, **AND** minimum of 3 years industry experience. Candidates entering with a Bachelor's degree or higher are not required to take the Praxis I exam.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			1.5

ED 393S - Practicum II (FLD - Fieldwork)

Description

Practicum II is the supervised practicum where knowledge of content and strategies for best teaching practices will be integrated and polished. Through extensive mentoring and performance evaluations completed by program faculty, teacher candidates will be well prepared to meet the high standards for licensure and practice. Practicum II will provide formal supervision for the teacher candidate as they intern in a classroom. Formal observations will be completed by an Education faculty member. (Formerly ED 295B)

Credits

1

Prerequisites

Acceptance into the Alternative Certification in Teaching program **OR** Acceptance into the Advanced Professional Certificate in Special Education **AND** ED 336 with a grade of C or concurrent enrollment.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			3

Electrical & Computer Engineering

ECE 160 - Programming for Engineers (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to computer programming and modern computing environments with an emphasis on algorithm and program design, implementation, and debugging. A hands-on laboratory is included to develop and practice programming skills. (Formerly EE 160)

Credits

4

Prerequisites

MATH 241 with a grade of C or better or concurrently enrolled in MATH 241.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

ECE 211 - Basic Circuit Analysis I (LAL - Lecture & Lab Instruction)

Description

This course is the study of linear circuits, including circuit elements and concepts, Ohm's and Kirchhoff's laws, simple resistive circuits, operational amplifiers, capacitance, inductance, first-order and second-order transient circuits, and sinusoidal steady-state circuits. (Formerly EE 211)

Credits

4

Prerequisites

PHYS 272 with a grade of C or better or concurrently enrolled in PHYS 272 **AND** MATH 243 with a grade of C or better or concurrently enrolled in MATH 243.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

ECE 213 - Basic Circuit Analysis II (LAL - Lecture & Lab Instruction)

Description

This course is the study of steady-state AC power analysis, variable-frequency circuit analysis, Laplace transforms and their application to circuits, and Fourier transforms and their applications to circuits. (Formerly EE 213)

Credits

4

Prerequisites

ECE 211 with a grade of C or better **AND** MATH 244 with a grade of C or better or concurrently enrolled in MATH 244.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

ECE 260 - Introduction to Digital Design (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to the design of digital systems with an emphasis on design methods and implementation of fundamental digital components. Topics include number systems, Boolean algebra, simplification of Boolean functions, and the design and analysis of combinational and sequential logic circuits. A hands-on laboratory is included to develop skills in utilizing digital circuit simulation software and building physical circuits with integrated circuit (IC) chips and other digital electronic components. (Formerly EE 260)

Credits

4

Prerequisites

ECE 160 with a grade of C or better **OR** ICS 111 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

ECE 296 - Sophomore Project (COP - Cooperative Ed/Work Experience)

Description

This course is a sophomore-level individual or team project under engineering faculty direction and guidance. The project provides design experience and develops practical skills. (Formerly EE 296)

Credits

1 - 3

Prerequisites

ECE 211 with a grade of C or better **AND** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			3

English

ENG 100 - Composition I (LEC - Lecture)

Description

Provides practice in producing substantial compositions at the college transfer level for courses across the curriculum. Engaging in research activities, students evaluate and integrate sources into their compositions. Following a recursive writing process, they analyze the rhetorical, conceptual, and stylistic demands of writing for various purposes and audiences. Students apply the principles of expository writing and produce compositions that have clear ideas, adequate support, logical organization, and correct sentence structure. Students become proficient language users, independent learners, and thoughtful members of an academic community.

Credits

3

Prerequisites

Placement in ENG 100 **OR** ENG 22 with a grade of CR **OR** ENG 24 with a grade of CR **OR** ENG 24C with a grade of CR **OR** Language Arts Division approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 100E - Composition I (LEC - Lecture)

Description

For non-native speakers of English only. Provides practice in producing substantial compositions at the college transfer level for courses across the curriculum. Engaging in research activities, students evaluate and integrate sources into their compositions. Following a recursive writing process, they analyze the rhetorical, conceptual, and stylistic demands of writing for various purposes and audiences. Students apply the principles of expository writing and produce compositions that have clear ideas, adequate support, logical organization, and correct sentence structure. Students become proficient language users, independent learners, and thoughtful members of an academic community.

Credits

3

Prerequisites

Placement in ENG 100E **OR** ESL 94 with a grade of CR **OR** Permission of Language Arts.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 16 - Fundamentals of Reading and Writing (LEC - Lecture)

Description

This course provides practice in building essential college reading, reasoning, and writing skills. Through analytical reading, critical discussion, summarizing of concepts, and incorporating ideas into writing, students will learn the skills necessary to succeed in college and the workplace.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 200 - Composition II (LEC - Lecture)

Description

This course teaches students how to plan, develop, organize, and edit various writing projects with clarity and precision. Students write various kinds of papers, including a research project, using general practices within specific areas of concentration.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** Language Arts Division approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 204 - Introduction to Creative Writing (LEC - Lecture)

Description

This course is an introduction to the art of creative expression. Students will practice different types of writing, which may include poetry, fiction, non-fiction, and drama. The course includes creative writing assignments, discussion of professional works, and discussion of each student's writing. May be repeated for additional credit.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** Language Arts Division approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 207 - Fiction Workshop (LEC - Lecture)

Description

This course is a writing workshop designed for students with some knowledge of fiction writing. Through the creation of original short stories and the analysis of published work and student drafts, students will gain knowledge and experience as well as develop creativity within the fiction genre.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** Language Arts Division approval.

Recommended Course Preparation

ENG204 - Introduction to Creative Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 208 - Poetry Workshop (LEC - Lecture)

Description

This course is a poetry writing course designed for students with knowledge of the writing process and some experience in the writing of poetry. Through the creation of original poems and the analysis of published work and student drafts, students will gain knowledge and experience as well as develop creativity within the genre.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** Language Arts Division approval.

Recommended Course Preparation

ENG204 - Introduction to Creative Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 209 - Business Writing (LEC - Lecture)

Description

This course is designed for students interested in a career in business. It will teach how to organize and evaluate effective communication in writing: how to compose the various forms of letters and reports found in the business field; how to evaluate job resumes.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** Language Arts Division approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 211 - Autobiographical Writing (LEC - Lecture)

Description

Writing clear, effective prose based on the writer's own experience and ideas.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** Language Arts Division approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 22 - Introduction to Composition (LEC - Lecture)

Description

This course provides practice in writing clear, effective, well-developed compositions using various modes of development. Students follow a recursive writing process and consider topic, purpose, and audience as they write. They read from a variety of texts to generate ideas for essays and to learn effective methods of drafting, revising, editing, proofreading, and publishing their compositions. Students write essays that have clear ideas, adequate support, logical organization, and correct sentence structure. They learn the principles of expository writing and refine their language skills. Students become efficient readers, effective writers, and critical thinkers.

Credits

3

Prerequisites

Placement in ENG 22 **OR** Language Arts Division approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 225 - Technical Writing (LEC - Lecture)

Description

Provides practice in creating, designing, and transmitting technical information for specialists and laypersons.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** Language Arts Division approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 24 - Reading, Reasoning, & Writing (LEC - Lecture)

Description

This course is an introduction to the reading, reasoning, and writing skills essential to succeed in ENG 100. This six-credit course, through practice in analytical reading, extended discussion, summarizing of concepts, and incorporating ideas into writing, will familiarize new and returning students with the components of college-level critical thinking and composition.

Credits

6

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	6		

ENG 270 - Introduction to Literature: Literary History (LEC - Lecture)

Description

This course is the study of significant works of selected historical periods.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** Equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 271 - Introduction to Literature: Genre (LEC - Lecture)

Description

This course is the study of significant works of selected genres.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** Equivalent

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 272 - Introduction to Literature: Culture and Literature (LEC - Lecture)

Description

This course is the study of significant works of selected cultures and cultural formations.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** Equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENG 272H - Introduction to Literature: Culture and Literature (LEC - Lecture)

Description

This course is the study of significant works of selected cultures and cultural formations.
*Recommended: Acceptance in the Honors Program.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** Equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

English as a Second Language

ESL 90 - Beginning English as a Second Language (LEC - Lecture)

Description

This course is designed to improve the academic language skills of beginning-level learners of English. The focus is on instruction and practice in reading comprehension, vocabulary development, sentence structure, paragraph organization, and essay construction, as well as communicating with greater ease and accuracy. (Formerly ESL 8B and ESL 9B)

Credits

6

Prerequisites

Placement in ESL 90 OR Language Arts Division Chair approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	6		

ESL 92 - Intermediate English as a Second Language (LEC - Lecture)

Description

This course is designed to improve the academic language skills of intermediate-level learners of English. The focus is on developing reading comprehension, expanding vocabulary, increasing reading rate, writing paragraphs and essays, and honing study skills. (Formerly ESL 18 and ESL 19)

Credits

6

Prerequisites

ESL 90 with a grade of CR **OR** Placement in ESL 92 **OR** Language Arts Division Chair approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	6		

ESL 93 - Essentials of English Grammar (LEC - Lecture)

Description

This course is designed to build the English grammar skills of non-native speakers of English in order to prepare for academic work in English. This course introduces essential grammar topics and emphasizes usage of standard English grammar in written work and in speech. (Formerly ESL 10B)

Credits

3

Prerequisites

Placement in ESL 93 **OR** Language Arts Division Chair approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ESL 94 - Advanced English as a Second Language (LEC - Lecture)

Description

This course is designed to improve the academic language skills of advanced-level learners of English. The focus is on developing reading comprehension, expanding vocabulary, increasing reading fluency, engaging in the writing process to compose clear, organized essays, writing about research, and honing study skills at the advanced level. (Formerly ESL 21 and ESL 22)

Credits

6

Prerequisites

ESL 92 with a grade of CR **OR** Placement in ESL 94 **OR** Language Arts Division Chair approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	6		

ESL 95 - Essentials of Speaking & Listening (LEC - Lecture)

Description

This course is designed to build the oral communication skills of English language learners. Through participation in group discussions, public speaking, and listening comprehension activities, students will develop the skills for effective communication in college and the workplace. (Formerly ESL 7B)

Credits

6

Prerequisites

Placement in ESL 95 **OR** Language Arts Division Chair approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	6		

Entrepreneurship

ENT 120 - Introduction to Entrepreneurship (LEC - Lecture)

Description

This course introduces basic entrepreneurial business concepts and how these concepts are interconnected in determining the initial feasibility of an undeveloped original business idea. It illustrates the search for the unknowns that most new business ventures face. This course is intended as an introduction to the study of fundamental business factors and practices essential to the construction of a simple business model. This simplified business model may serve in the future as the foundation from which a more rigorous comprehensive and intricate formal business plan is written. This introductory course is intended for both business and non-business students seeking to learn about the rudiments of the formation of a business.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ENT 125 - Starting a Business (LEC - Lecture)

Description

This course surveys the business environment, establishing a business entity, decision-making processes, marketing assessments, financing, operations considerations, and government regulations as they relate to the development of a formal business plan. It is designed for those who wish to start or are currently operating their own business.

Credits

3

Prerequisites

ENG 16 with a grade of CR or concurrently enrolled in ENG 16 **OR** ENG 24 with a grade of CR or concurrently enrolled in ENG 24 **OR** ENG 22 with a grade of CR or concurrently enrolled in ENG 22 **OR** Placement in ENG 100 **OR** instructor approval.

Recommended Course Preparation

BUS120 - Principles of Business
MKT120 - Principles of Marketing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Filipino

FIL 101 - Elementary Filipino I (LEC - Lecture)

Description

Basic structures of Filipino with emphasis on listening comprehension, speaking, reading, and writing. Through directed drill and practice in class, the student learns to communicate in idiomatic Filipino. (Formerly TAG 101)

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

FIL 102 - Elementary Filipino II (LEC - Lecture)

Description

Basic structures of Filipino with emphasis on listening comprehension, speaking reading and writing. Through directed drill and practice in class and in the Learning Resource Center, the student learns to communicate in correct Filipino. (Formerly TAG 102)

Credits

4

Prerequisites

FIL 101 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

FIL 107 - Introduction to Filipino Studies (LEC - Lecture)

Description

This course provides an introduction to the cultures, languages, and histories of the Philippines and Filipinos in diaspora. This introductory course will provide an overview of the historical and contemporary experiences of Filipinos in Hawai‘i, the continental United States, and the global diaspora, focusing primarily on issues related to race, ethnicity, culture, place, representation, and globalization. Using a social sciences approach we will use various theories to specifically examine how social processes and structures (such as shared histories of U.S. colonialism in the Philippines and in Hawai‘i and plantation society and culture in the islands) help us understand the societal dynamics of present-

day Filipino communities and their relationships to Native Hawaiians, Pacific Islanders and other communities in Hawai‘i. (Formerly ASAN 107)

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

FIL 253 - Filipino Culture, History, and the Arts (LEC - Lecture)

Description

A study of Filipino history, politics, society, culture and art forms from pre-history to the present. Selected topics are approached through integrating Humanities disciplines and Artistic forms of music, dance, theater, the visual arts, and poetry as ways of engaging with and understanding cultural, historical, societal, and political issues. (Formerly ASAN 203)

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

FIL 254 - Filipinos in the United States: The History and Culture of Filipinos in the U.S. (LEC - Lecture)

Description

A study of the history of the Filipino as traveller and immigrant; historical and contemporary experiences in the U.S.; ethnic identity as expressed and represented in their cultural practices and art forms. (Formerly ASAN 204)

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

FIL 255 - Contemporary Philippine Issues (LEC - Lecture)

Description

This course is a critical study of contemporary Philippine social, cultural, economic and political issues and how they relate to current global affairs. Selected topics are approached through the integrated use of the humanities (history and art forms), ethnic studies, social and behavioral sciences, and technology. (Formerly ASAN 205)

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

FIL 256 - Philippines Food, Story, and Community (LEC - Lecture)

Description

This course offers an intermediate-level interdisciplinary examination of Philippine foodways, exploring their history and culture across the Philippines, Hawai‘i, and the global diaspora. Students analyze food as a critical text for understanding cultural identity and societal dynamics through eight thematic modules: Politics, History, Class, Gender Roles, Geography, Cosmology, Spirituality, and Ethnolinguistic Group. Emphasizing the historical and contemporary experiences of food, the course explores its centrality to building community, transmitting ancestral wisdom, and shaping the Filipino-Hawai‘i experience. Course content draws from scholarly texts across the humanities and social and behavioral sciences and engages with contemporary applications of technology. Assessments challenge students to conduct focused research and synthesize interdisciplinary frameworks to build robust analytical and critical thinking skills.

Credits

3

Prerequisites

None.

Recommended Course Preparation

FIL107 - Introduction to Filipino Studies

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

FIL 257 - Filipino Cinema (LEC - Lecture)

Description

This course examines Filipino cinema from its historical foundations to its contemporary expressions, with an emphasis on themes relevant contemporary issues. Students will analyze how filmmakers address issues such as social media culture, mental health, intergenerational family dynamics, and the Filipino diaspora. By pairing classic and modern films, the course explores the evolution of cinematic techniques and storytelling as tools for political commentary and cultural discourse.

Credits

3

Prerequisites

None.

Recommended Course Preparation

FIL107 - Introduction to Filipino Studies

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Finance

FIN 150 - Personal Finance (LEC - Lecture)

Description

This course provides a goal-oriented approach to personal financial management covering budgeting, use of financial institutions, income tax effects and strategies, credit risk management, investment analysis, risks, alternatives, financial products and markets, and retirement planning and estate planning. Introduction to various financial software programs, including the Internet.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Food Science & Human Nutrition

FSHN 100 - Concepts in Nutritional Science (LEC - Lecture)

Description

Students will learn about the relationship of food and nutrition to health. Students will study the characteristics, physiological functions, and food sources of the six categories of nutrients, as well as other nutrition-related topics. Special emphasis is placed on understanding the nutrients in relationship with the needs of the human body. This course is required for the Associate in Science Degree in Culinary Arts.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

FSHN 185 - The Science of Human Nutrition (LEC - Lecture)

Description

This course is an integration of natural science concepts basic to the study of human nutrition. An emphasis is placed on the nutrient requirements of healthy individuals and the function of nutrients and their food sources.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

French

FR 101 - Elementary French I (LEC - Lecture)

Description

Basic structure of the French language emphasizing listening and reading comprehension and spoken and written expression. Through practice in and outside of class, students learn to use the basic structures of French.

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

FR 102 - Elementary French II (LEC - Lecture)

Description

FR 102 builds upon the foundation of FR 101, which covers basic structure of the French language emphasizing listening and reading comprehension and spoken and written expression. Through practice in and outside of class, students learn to use the basic structures of French. More emphasis is placed upon reading and writing skills and improving oral communication.

Credits

4

Prerequisites

FR 101 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

FR 201 - Intermediate French I (LEC - Lecture)

Description

Students will hone basic language skills acquired in FR 101-102 through reading, conversation, oral presentations, writing, listening, watching movie excerpts, and making their own short videos. Through these activities, students will gradually develop confidence and fluency in written and oral expression. Cultural presentations will enhance knowledge and appreciation of the French language and the Francophone world. Special attention will be given to French-speaking Oceania, in particular Tahiti and New Caledonia.

Credits

3

Prerequisites

FR 102 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

FR 202 - Intermediate French II (LEC - Lecture)

Description

FR 202 builds upon the foundation of FR 201. Students will hone basic language skills acquired in FR 101-201 through reading, conversation, oral presentations, writing, listening, watching movie excerpts, and making their own short videos. Through these activities, students will gradually develop confidence and fluency in written and oral expression. Cultural presentations will enhance knowledge and appreciation of the French language and the Francophone world. Special attention will be given to French-speaking Oceania, in particular Tahiti and New Caledonia. More emphasis is placed upon reading more complex texts and writing with richer and wider vocabulary.

Credits

3

Prerequisites

FR 201 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Geography and Environment

GEO 101 - The Natural Environment (LEC - Lecture)

Description

This course explores Earth's natural systems, including the atmosphere, lithosphere, biosphere, and hydrosphere. Basic elements of the natural environment are examined, especially climate, soils, landforms, water, and natural vegetation. Global and local environmental processes are explored with an emphasis on Hawai‘i and the Pacific.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

GEO 101L - The Natural Environment Lab (LAB - Laboratory)

Description

This course is a laboratory exploration of Earth's natural systems, including the atmosphere, lithosphere, biosphere, and hydrosphere, with emphasis on Hawai‘i and the Pacific. Students engage in lab work, field data collection, analysis, and reporting.

Credits

1

Prerequisites

GEOG 101 with a grade of C or better or concurrently enrolled in GEOG 101.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

GEO 102 - World Regional Geography (LEC - Lecture)

Description

This course is an introductory survey of world regional geography. Major cultural regions are examined with emphasis on the geographic aspects of contemporary economic, political, and environmental conditions.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

GEO 104 - Digital Earth (LEC - Lecture)

Description

This course introduces geospatial technologies and digital mapping tools used to explore how natural landscapes and human activities shape the world. Students develop spatial thinking skills and learn foundational mapping concepts, including coordinate systems, map projections, scale, distance, and direction. Through hands-on projects, students apply digital mapping tools to analyze environmental and social challenges, with a focus on Hawai‘i and the Pacific region.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

GEO 122 - Geography of Hawai‘i (LEC - Lecture)

Description

This course examines the physical, biotic, cultural, and socio-economic elements of Hawai‘i. These include the study of volcanism, climatic diversity, water features, vegetation, population and land use patterns, and cultural expression, with a focus on understanding the interrelation and inseparability of physical processes and human activities.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

GEO 151 - Geography and Contemporary Society (LEC - Lecture)

Description

This course is an introduction to human geography. It examines patterns of population and migration, cultural diffusion and change, globalization, economic development, political systems, agriculture, and urbanization, with an emphasis on the ways human activities shape the natural environment.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

GEO 270 - Introduction to GIS (LAL - Lecture & Lab Instruction)

Description

This course provides an overview of how to use Geographic Information Systems (GIS), computer-based tools that collect, analyze, and visualize spatial data to solve real-world problems. Topics include GIS fundamentals, spatial data structures, analysis methods, and practical applications. Students gain hands-on experience with Esri ArcGIS Pro, ArcGIS Online, and related technologies through labs and projects to build proficiency in using GIS for spatial data collection, analysis, and map visualization.

Credits

4

Prerequisites

GEO 104 with a grade of C or better **OR** concurrently enrolled in GEO 104.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

GEO 271 - Applied GIS and Spatial Analysis (LAL - Lecture & Lab Instruction)

Description

This course builds on foundational Geographic Information Systems (GIS) skills from GEO 270 to explore real-world mapping and spatial problem-solving. Students develop advanced proficiency with Esri ArcGIS Pro, ArcGIS Online, and related technologies through hands-on labs and projects that apply industry best practices for data collection, map creation, and spatial analysis. Projects focus on topics such as environmental planning, community development, and land use. Students interpret spatial patterns, perform advanced queries, and create professional-quality maps and reports. Emphasis is placed on using geospatial data to support informed decision-making and effectively communicate spatial results.

Credits

4

Prerequisites

GEO 104 with a grade of C or better **AND** GEO 270 with a grade of C or better

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

GEO 292 - Practicum in GIS (PRA - Practicum)

Description

This course provides a supervised practicum in applied Geographic Information Systems (GIS). Students engage in project-based or internship experiences that integrate geospatial technologies in real-world contexts. The practicum integrates hands-on field or workplace experience with academic reflection and professional deliverables, preparing students for careers or continued study in geospatial fields.

Credits

1

Prerequisites

GEO 104 with a grade of C or better **AND** GEO 270 with a grade of C or better **AND** GEO 271 with a grade of C or better or concurrently enrolled in GEO 271.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			3

Hawaiian

HAW 101 - Elementary Hawaiian I (LEC - Lecture)

Description

Development of the ability to communicate in Hawaiian through the study of basic structures with an emphasis on speaking, writing, reading and listening comprehension, and cultural understanding. Skills will further be developed through directed drills and practice in the classroom.

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

HAW 102 - Elementary Hawaiian II (LEC - Lecture)

Description

HAW 102 continues to develop the ability to communicate in Hawaiian through the study of basic structures with an emphasis on speaking, writing, reading and listening comprehension, and cultural understanding. Skills will further be developed through directed drills and practice in the classroom.

Credits

4

Prerequisites

HAW 101 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

HAW 201 - Intermediate Hawaiian I (LEC - Lecture)

Description

HAW 201 is a continuation of HAW 102 in which communication skills that include reading, writing, speaking, and listening are further developed. Students will become more proficient in Hawaiian while gaining knowledge of more complex structures.

Credits

4

Prerequisites

HAW 102 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

HAW 202 - Intermediate Hawaiian II (LEC - Lecture)

Description

This course is a continuation of HAW 201 focusing on further development and refinement of communication skills. Students will become more proficient in Hawaiian while gaining knowledge of more complex structures.

Credits

4

Prerequisites

HAW 201 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

Hawaiian Studies

HWST 105 - Mea Kanu Hawai‘i: Hawaiian Ethnobotany (LEC - Lecture)

Description

This course is an introductory survey of Hawaiian ethnobotany. Students will learn about basic Native Hawaiian plant classification, cultivation/gathering, preparation and use in food, medicine, ritual/ceremonies, cosmetics, dyeing, construction, tools, clothing, social life, and health care.

Credits

3

Prerequisites

Placement in ENG 100 **OR** concurrently enrolled in ENG 100 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 105L - Mea Kanu Hawai‘i: Hawaiian Ethnobotany Laboratory (LAB - Laboratory)

Description

This course is a companion laboratory to HWST 105, Mea Kanu Hawai‘i: Hawaiian Ethnobotany. The laboratory and field activities in HWST 105L provide students with an understanding of Native Hawaiian ethnobotany through plant classification, cultivation/gathering, preparation and use in food, medicine, ritual/ceremonies, cosmetics, dyeing, construction, tools, clothing, social life, and health care.

Credits

1

Prerequisites

Placement in ENG 100 **OR** concurrently enrolled in ENG 100 **AND** HWST 105 with a grade of C or better or concurrently enrolled in HWST 105 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

HWST 107 - Hawai'i: Center of the Pacific (LEC - Lecture)

Description

This course is an introduction to the unique aspects of the native point of view in Hawai'i and the larger Pacific with regards to origins, language, religion, land, art, history, and modern issues.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 110 - Huaka‘i Wa‘a: Introduction to Hawaiian Voyaging (LEC - Lecture)

Description

This course introduces students to modern Hawaiian canoe voyaging through an examination of the science and narratives of ancient voyaging, the history of the modern revival of voyaging, and the Hawaiian navigator's toolkit.

Credits

3

Prerequisites

Placement in ENG 100 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 128 - Introduction to Hula Kahiko (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to hula and oli (chant), covering the fundamentals of traditional dance and practices, language, and regional traditions.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		3

HWST 129 - Introduction to Hula ʻAuana (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to hula ʻauana, covering the fundamentals of contemporary Hawaiian dance, music, practices, language, poetry, and regional traditions.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		3

HWST 207 - Hawaiian Perspectives in Ahupua'a Resource Management (LEC - Lecture)

Description

This course examines the Hawaiian ahupua'a as an integral component of the Hawaiian resource management system, and its relevance today. Using both primary and secondary written and oral sources, students will study Hawaiian perspectives on resource management and their relationship with land. This course emphasizes land-based learning.

Credits

3

Prerequisites

HWST 107 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 245 - Living with Kuleana: An Introduction to Hawaiian Systems of Governance (LEC - Lecture)

Description

This course will examine the Native Hawaiian systems of governance prior to 1840, through close examination of Hawaiian mo'olelo, missionary accounts, and other historical records. The course is an introduction to the Native Hawaiian two-tier system of governance, philosophies, social structures, values, and functions. At the heart of this Hawaiian system of governance is the Hawaiian concept of kuleana. It is the concept of kuleana that provides the foundation for the teaching and practice of aloha. (Formerly HWST 298)

Credits

3

Prerequisites

HWST 107 with a grade of C or better **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 270 - Hawaiian Mythology (LEC - Lecture)

Description

This course is a survey of gods, ʻaumākua, kupua, mythical heroes, heroines, and their kinolau as the basis of traditional Hawaiian Metaphor. This course will investigate and analyze oral and written Hawaiian literary sources.

Credits

3

Prerequisites

HWST 107 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 276 - Introduction to Hawaiian Literature in English (LEC - Lecture)

Description

A survey of Hawaiian literature in English translation is studied in the context of the Hawaiian culture. Its characteristics, forms, relation to other Hawaiian arts, history and society are examined. Hawaiian literature can include, but is not limited to, prose narration, poetry, and orature. (Formerly HWST 261)

Credits

3

Prerequisites

ENG 100 with a grade of C or better.

Recommended Course Preparation

HWST107 - Hawai'i: Center of the Pacific

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 281 - Hoʻokele I: Hawaiian Astronomy and Weather (LEC - Lecture)

Description

This course is an introduction to the basic principles and techniques of contemporary Pacific voyaging and their basis in astronomical, atmospheric, and other natural phenomena.

Credits

3

Prerequisites

Placement in ENG 22 **OR** instructor approval.

Recommended Course Preparation

HAW101 - Elementary Hawaiian I

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (LAB - Laboratory)

Description

This course is a companion laboratory to HWST 281, Hoʻokele I: Hawaiian Astronomy & Weather. The laboratory and field activities in HWST 281L provide students with an introduction and opportunity to apply the basic principles, techniques, and experimental methods of contemporary Pacific wayfinding learned in HWST 281.

Credits

1

Prerequisites

HWST 281 with a grade of C or better or concurrently enrolled in HWST 281.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

HWST 282 - Hoʻokele II: Hawaiian Voyaging and Seamanship (LEC - Lecture)

Description

Introduction to the modern revival of voyaging arts in Hawaiʻi and the Pacific. Relearning the traditional knowledge of voyaging and navigation. Skills needed to prepare, sail, and navigate double hull voyaging canoes along with an overview of weather and sea conditions in Hawaiʻi and the Pacific.

Credits

3

Prerequisites

HWST 281 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 282L - Hoʻokele II: Hawaiian Voyaging and Seamanship Lab (LAB - Laboratory)

Description

Companion laboratory to HWST 282, Hoʻokele II: Hawaiian Voyaging and Seamanship. The laboratory and field activities in HWST 282L provide students with an opportunity to apply the basic principles, techniques, and methods of voyaging and seamanship learned in HWST 282.

Credits

1

Prerequisites

HWST 282 with a grade of C or better or concurrently enrolled in HWST 282.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

HWST 285 - Lāʻau Lapaʻau: Hawaiian Medicinal Herbs (LAL - Lecture & Lab Instruction)

Description

This course studies the traditional practice of lāʻau lapaʻau, the use of traditional Native Hawaiian medicinal herbs. Students learn to identify Native Hawaiian medicinal herbs by name, color, smell,

taste, and sight and prepare them for application. Lāʻau Lapaʻau is a significant component of understanding the Native Hawaiian culture and remains a unique identifier of Native Hawaiian culture.

Credits

4

Prerequisites

Completed or concurrently enrolled in HWST 107 **OR** completed or concurrently enrolled in HWST 105 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

HWST 291 - Contemporary Hawaiian Issues (LEC - Lecture)

Description

This course is a critical study and interdisciplinary introduction to contemporary, domestic, and international Hawaiian issues within their historical, social, cultural, and political contexts.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **AND** HWST 107 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HWST 292 - Kūkulu Manaʻo: Hawaiian Studies Capstone Project (LAB - Laboratory)

Description

This is the capstone course for the AA in Hawaiian Studies Program. It requires students to integrate knowledge gained in the program. Students will collaborate with faculty to design and complete a project which demonstrates that students can describe aboriginal Hawaiian linguistic, cultural, historical and political concepts, apply those concepts in other areas, and analyze topics relevant to the aboriginal Hawaiian community.

Credits

1

Prerequisites

HWST 107 with a grade of C or better **AND** HWST 270 with a grade of C or better **AND** HAW 101 with a grade of C or better **AND** HAW 102 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

Health

HLTH 110 - Medical Terminology (LEC - Lecture)

Description

This course includes pronunciation, spelling, and definition of medical terms pertaining to all systems of the body and supplementary terms applicable to specialty areas of medicine, selected paramedical fields, medical assisting, and coding. Emphasis is on increasing professional vocabulary and proficiency in spelling and medical terms.

Credits

2

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2		

HLTH 125 - Survey of Medical Terminology (LEC - Lecture)

Description

This course develops knowledge of prefixes, suffixes, and word roots used in medical terminology to help students analyze, understand, and correctly use medical terms. It covers pronunciation, spelling, and definitions of selected medical words dealing with all human body systems. Commonly used medical abbreviations and pharmacological terms as well as singular and plural forms are also covered.

Credits

1

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

Health Information Technology

HIT 101 - Healthcare Delivery Systems (LEC - Lecture)

Description

This course facilitates student learning about the current structure, organizations, activities, and future direction of hospitals and mental health and ambulatory care facilities and hospices in the United States. Students will also explore government regulations, medical ethics, healthcare financing, and the responsibilities of healthcare professionals. Topics include integrating medical records, records management cycle, and complying with state and federal regulations and laws.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 102 - Health Data, Records, and Documentation (LEC - Lecture)

Description

This course gives students the opportunity to design, develop, and process health information data. Students learn how health information is stored, retained, and retrieved in accordance with ethical, legal and voluntary rules, regulations and standards. Primary and secondary record systems will be covered, including numbering and filing systems, documentation and form requirements, screen designs and content, and usage and structure of health data sets. In addition, students learn about ambulatory care facilities, nursing homes, hospices, and home care offered in the United States. Students also explore the electronic health record, human resource supervision and resource management, and the responsibilities of healthcare professionals.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 108 - Introduction to Diagnosis Coding (LEC - Lecture)

Description

This course introduces students to diagnostic coding related to ICD-10-CM, ICD-10-PCS, and Diagnosis Related Groups (DRGs). Students learn the rules, methodology, sequencing, data sets, documentation requirements, ethics, and basic reimbursement technologies related to diagnostic coding in the medical field.

Credits

3

Prerequisites

HLTH 110 with a grade of C or better **AND** PHYL 141 with a grade of C or better **AND** PHYL 141L with a grade of C or better **OR** equivalent **AND** HIT 200 with a grade of C or better or concurrent enrollment in HIT 200 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 109 - Introduction to Procedure Coding (LEC - Lecture)

Description

This course introduces students to basic procedural coding, which includes Current Procedural Terminology (CPT) and Ambulatory Patient Classifications (APCs). Issues of fraud and abuse, coding compliance, and compliance programs are emphasized. (Formerly BUSN 109)

Credits

3

Prerequisites

PHYL 141 with a grade of C or better **AND** PHYL 141L with a grade of C or better **AND** HLTH 110 with a grade of C or better **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

BUS101 - Business Info Systems
ICS101 - Digital Tools for the Information World

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 115 - Reimbursement Methodologies (LEC - Lecture)

Description

This course facilitates students familiarity with health insurance terminology and the health insurance claims processing cycle. The billing systems are introduced for various healthcare organizations

including federal, Veterans Affairs, state, private, and managed care health insurance plans. Legal issues and regulations related to reimbursement are covered.

Credits

3

Prerequisites

HIT 108 with a grade of C or better **OR** concurrently enrolled in HIT 108 **AND** HIT 109 with a grade of C or better **OR** concurrently enrolled in HIT 109 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

BUS101 - Business Info Systems
ICS101 - Digital Tools for the Information World

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 120 - Intro to Healthcare Data Management & Analytics (LEC - Lecture)

Description

This course introduces students to the concepts and terminology used in the field of healthcare data management and analytics. Students will be introduced to general data characteristics and exploratory data analysis techniques and be asked to evaluate data dictionaries and data sets. Students will be introduced to Structured Query Language (SQL) in relation to healthcare data. Exploratory data analysis will focus on exploring health data to understand the data's underlying structure and variables to develop intuition about the data set, to consider how the data set came into existence.

Credits

3

Prerequisites

BUS 101 with a grade of C or better **OR** ICS 101 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ICS129 - Introduction to Databases

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 171 - Health Data, Information, Law, and Ethics (LEC - Lecture)

Description

This course provides an introduction into medical records, which covers all phases of the records management cycle, emphasizing compliance with state and federal regulations and laws. Topics include privacy and access laws, release of medical information, e-discovery, advanced digital applications (AI), and privacy and security audits; Health Insurance Portability and Accountability Act (HIPAA); American

Recovery and Reinvestment Act (ARRA); and The Patient Protection and Affordable Care Act (PPACA) and the impact on health information.

Credits

3

Prerequisites

HIT 101 with a grade of C or better **OR** concurrently enrolled in HIT 101.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 176 - Health Information Statistics (LEC - Lecture)

Description

This course covers principles of statistics with applications to healthcare science. Statistical methods include collection, maintenance, organization, presentation, interpretation, and quantitative analysis of data from primary and secondary sources. Terminology, examples, and assignments from healthcare science are incorporated throughout the course. (Formerly BUSN 176)

Credits

3

Prerequisites

HIT 101 with a grade of C or better.

Recommended Course Preparation

BUS101 - Business Info Systems

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 192 - Professional Practice Experience and Registered Health Information Technician Exam Prep (LEC - Lecture)

Description

This course aids the student in making the transition from student to employee by practicing and testing professional competencies needed for employment in the Health Information Management (HIM) career field. The activities will represent the application of all health information technology (HIT) coursework. The student will also be placed in a HIM facility for the purpose of assimilating theory with practice for the Professional Practice Experience (PPE) portion. The student will also experience the structure and format of the American Health Information Management Association (AHIMA) Registered Health Information Technician (RHIT) credential exam. By completing practice exams the student will acquire testing skills and knowledge to be prepared to take the RHIT credential exam. Student is required to register and attempt the AHIMA RHIT credential exam as a requirement of this course.

Credits

3

Prerequisites

HIT 176 with a grade of C or better or concurrently enrolled in HIT 176 **AND** HIT 208 with a grade of C or better or concurrently enrolled in HIT 208 **AND** HIT 115 with a grade of C or better **AND** BUS 101 with a grade of C or better **OR** ICS 101 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 200 - Disease Path and Pharmacology (LEC - Lecture)

Description

This course teaches students the definition, cause, diagnosis, and symptoms of specific diseases. Therapy with medications (pharmacology) and the effects of drugs on the human body, in terms of absorption, distribution, metabolism, and excretion, are explored.

Credits

3

Prerequisites

HLTH 110 with a grade of C or better **AND** PHYL 141 with a grade of C or better **AND** PHYL 141L with a grade of C or better **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

BUS101 - Business Info Systems

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 208 - Advanced Coding (LEC - Lecture)

Description

This course allows students to build on skills learned in HIT 108, Introduction to Diagnostic Coding, and HIT 109, Introduction to Procedure Coding. Students apply diagnostic and procedure coding to advanced scenarios and complex patient records. Computerized coding systems and coding conventions are covered. Students also analyze the impact of coding complications on healthcare reimbursements.

Credits

3

Prerequisites

HIT 108 with a grade of C or better **AND** HIT 109 with a grade of C or better **AND** HIT 200 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 209 - Advanced Coding II (LEC - Lecture)

Description

This course will allow students to build skills learned in HIT 108, Introduction to Diagnostic Coding, and HIT 109, Introduction to Procedure Coding. Students apply diagnostic and procedure coding to advanced scenarios and complex patient records. Computerized coding systems and coding conventions are covered. Students also analyze the impact of coding complications on healthcare reimbursements. This course may be taken concurrently with HIT 208, Advanced Coding.

Credits

3

Prerequisites

HIT 108 with a grade of C or better **OR** HIT 109 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 215 - Quality Management (LEC - Lecture)

Description

This course presents a comprehensive introduction to the theory, practice, and management of performance and quality improvement processes in healthcare organizations. The course prepares students with an understanding of the functions performed by Health Information Management (HIM) professionals in quality-related roles and given quality-related responsibilities, performing Quality Management (QM) tasks in their jobs.

Credits

3

Prerequisites

HIT 108 with a grade of C or better **AND** HIT 109 with a grade of C or better **AND** HIT 200 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

BUS101 - Business Info Systems
HIT101 - Healthcare Delivery Systems

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 220 - Healthcare Data Management & Analytics (LEC - Lecture)

Description

This course teaches students how computers and technology are used in various healthcare settings and about software applications that are specific to health information technology and data analytics. Security, privacy, electronic healthcare records, electronic records, and technology implementation issues are also covered.

Credits

3

Prerequisites

HIT 101 with a grade of C or better **AND** HIT 120 with a grade of C or better **AND** HIT 171 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIT 225 - Health Information Management (HIM) Supervisory Management (LEC - Lecture)

Description

This course will introduce students to management principles used in healthcare organizations (specifically HIM departments and functions), including supervision, budgeting, and policies and procedures. Emphasis is also on communication within the organization and problem solving.

Credits

3

Prerequisites

HIT 101 with a grade of C or better **AND** HIT 171 with a grade of C or better **AND** HIT 208 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

History

HIST 151 - World History to 1500 (LEC - Lecture)

Description

A global and historical survey focusing on human societies and cross-cultural interactions to 1500 CE. Emphasis is given to broad relationships and trends within the historical process and to political, religious, economic, and social changes.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 152 - World History since 1500 (LEC - Lecture)

Description

A global and historical survey focusing on human societies and cross-cultural interactions since 1500 CE. Emphasis is given to broad relationships and trends and to the political, religious, economic and social changes most relevant to contemporary society.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 156 - World History of Human Disease (LEC - Lecture)

Description

World History of Human Disease examines how disease has affected humans in terms of society, culture, politics, religion, and economics. The class explores the impact over a broad range of time periods, from prehistory to the present/future.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 231 - Modern European Civilization I (LEC - Lecture)

Description

Political evolution and major economic, social, and cultural development of European states, 1500-1800 CE.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HIST152 - World History since 1500

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 232 - Modern European Civilization II (LEC - Lecture)

Description

Continuation of HIST 231. Major political, social, and economic, and cultural trends in Europe from the 1800s to the present.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HIST152 - World History since 1500

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 241 - Civilizations of Asia I (LEC - Lecture)

Description

A survey of Asian history with emphasis upon Japan, China, Korea, South Asia, and Southeast Asia from their earliest development to approximately 1500 CE.

Credits

3

Prerequisites

None.

Recommended Course Preparation

HIST151 - World History to 1500

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 242 - Civilizations of Asia II (LEC - Lecture)

Description

HIST 242 is a continuation of HIST 241. Survey of East, South, and Southeast Asian history from 1500 CE to the present.

Credits

3

Prerequisites

None.

Recommended Course Preparation

HIST152 - World History since 1500

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 244 - Introduction to Japanese History (LEC - Lecture)

Description

Introductory course emphasizing the institutional history of Japan, organized along chronological and topical lines.

Credits

3

Prerequisites

None.

Recommended Course Preparation

HIST151 - World History to 1500
HIST152 - World History since 1500

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 251 - Islamic Civilization (LEC - Lecture)

Description

HIST 251 focuses on the history and culture of the Muslim World from the rise of Islam in the seventh century to about 1500.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

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REL150 - Introduction to the World's Major Religions

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 260 - Twentieth Century World History (LEC - Lecture)

Description

This course covers the major individuals and political, economic, social, and cultural events of the world during the twentieth century. Emphasis will be placed on global relationships, conflicts, and changing patterns of interaction among cultures and peoples in an era of near-constant change.

Credits

3

Prerequisites

Placement in ENG 100 **OR** concurrently enrolled in ENG 100 **OR** Instructor approval.

Recommended Course Preparation

HIST152 - World History since 1500

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 281 - Introduction to American History I (LEC - Lecture)

Description

This course is a survey of the development of the North American continent beginning with the arrival of Europeans and proceeding through the periods of exploration, colonization, revolution, and expansion up to the Civil War and Reconstruction. Emphasis is placed on the social and political evolution of the United States.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** Instructor approval.

Recommended Course Preparation

HIST152 - World History since 1500

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 282 - Introduction to American History II (LEC - Lecture)

Description

This course is a survey of the continuing development of the United States from the end of Reconstruction to the present time. Emphasizes the social and political structure, and analyzes the major historical forces, movements, and cultural developments that have brought the United States to its present position.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** Instructor approval.

Recommended Course Preparation

HIST152 - World History since 1500

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 284 - History of the Hawaiian Islands (LEC - Lecture)

Description

This course is a survey of the history of the Hawaiian Islands from Polynesian origins to contemporary multi-cultural society. The course focuses on social, economic, and political developments through history, further examining the Hawaiian responses to these developments.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HIST 288 - Oceania Survey (LEC - Lecture)

Description

Survey major events, themes, and issues that make up the diverse histories of Oceania, including Hawai‘i, from ancestral origins to the present, with an emphasis on writing.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Hospitality & Tourism

HOST 101 - Introduction to Hospitality and Tourism (LEC - Lecture)

Description

This course provides an overview of the travel industry and related major business components. Students will analyze the links between travel, lodging, food, recreation, and other tourism-related industries. (Formerly TIM 101)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HOST 152 - Front Office Operations (LEC - Lecture)

Description

This course studies the philosophy, theory, and current operating procedures of a hotel front office. The class concentrates on the human relation skills necessary for effective guest and employee relations and the technical skills necessary to operate a manual, mechanical, or computerized front office operation.

Credits

3

Prerequisites

None.

Recommended Course Preparation

HOST101 - Introduction to Hospitality and Tourism

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HOST 154 - Food and Beverage Operations (LEC - Lecture)

Description

This course introduces the basic principles of marketing, menu planning, service styles, nutrition, sanitation and safety, purchasing and control systems as they apply to food and beverage management in an operational setting. The class provides practical applications for effectively managing resources for food and beverage industry operations.

Credits

3

Prerequisites

None.

Recommended Course Preparation

HOST101 - Introduction to Hospitality and Tourism

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Human Development and Family Studies

HDFS 230 - Human Development (LEC - Lecture)

Description

HDFS 230 is a survey of human development from birth to death with an emphasis on biological, cognitive, and psychosocial development. (Formerly FAMR 230)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Human Services

HSER 100 - Exploration of Self in Society (LEC - Lecture)

Description

This group process course provides an opportunity for learners to explore self within society, their values, and attitudes, functional and dysfunctional patterns of behavior. The learners are encouraged to assess personal characteristics that may be hampering growth and be able to establish goals and action plans for change. Learners critically self-reflect through a biopsychosocial life-stage model of development that spans our lives from birth through death. The course supports the adoption of knowledge and skills for developing healthy interpersonal relationships and for working with a diversity of issues and people. The course is particularly applicable for those entering the field of human service and/or the helping professions as well as education, health sciences, or justice, etc.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 140 - Individual Counseling (LEC - Lecture)

Description

This course provides an introduction to counseling skills and theory. Learners will practice interviewing and micro-skills through role-plays and will be exposed to theories of counseling, assessment, treatment interventions, and ethical guidelines for work in the field of human services and the helping professions.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 160 - Ecology of the Family System (LEC - Lecture)

Description

The course explores the ecology and socialization of children, youth, and the family system. It identifies effective and harmful parenting styles and family interactions, as well as the impact of socialization agents such as media, peer groups, and community on family members and their functioning in society. The content also includes a review of various emotional, cognitive, and social-cultural influences that impact individual and family system development.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 245 - Group Counseling (LEC - Lecture)

Description

The course includes theoretical and experiential training in facilitating groups. The course is designed to encourage understanding and skill development in selecting group members, establishing group norms and goals, and attending to ethical codes of conduct. Skill development includes setting group climate, developing group activities, promoting group and individual growth, and making appropriate group interventions with attention to special populations. Learners will be members of an in-class group and will be co-facilitating a group.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 248 - Case Management (LEC - Lecture)

Description

This course provides a systems-based orientation to the development of knowledge and skills needed to become a case manager in health and human services. The course incorporates an ethical, culturally appropriate, strength-based and client-centered approach. Skill development includes intake, assessment, service planning, care coordination, discharge planning, referral, advocacy, and documentation and exploration of ethical mandates. (Previously offered as experimental course HSER 297L.)

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 256 - Dynamics of Family Violence and Sexual Assault (LEC - Lecture)

Description

This course is designed to encourage the development of knowledge, skills, sensitivity, and self-care practices for engaging individuals and families affected by interpersonal violence. It examines historical, societal, and legal responses and resources. The content includes a focus on the physical, emotional, and sexual victimization of vulnerable populations such as children, elders, and LGBTQ+. It also addresses dating violence, human trafficking, and intimate partner violence. It examines current research on social, economic, cultural, family, and individual risk factors, perpetrator dynamics, effects of violence on victims and survivors, and effective intervention and prevention strategies. Learners have an opportunity to explore their own values.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 268 - Survey of Substance Use Disorders (LEC - Lecture)

Description

The course focuses on the continuum of substance use. It analyzes historical, societal, and cultural perceptions, and examines the impact of substance use and behavioral disorders on the individual, the family, and the community. We will review current trends, legal responses, and the effectiveness of various approaches utilized in the field.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 270 - Substance Use Disorders Counseling (LEC - Lecture)

Description

This course provides theoretical and experiential training in prevention, intervention, treatment, and aftercare approaches applicable to a diverse substance use disorder population. We cover aspects of the counseling process, specifically, the 12 Core Functions utilized by the substance use disorder counselor and ethical and legal issues encountered in the field.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 294 - Seminar & Fieldwork I (LEC - Lecture)

Description

The HSER 294 Seminar and Fieldwork I course is the first of two required courses, which offers the intern enrolled in the Certificate of Competence in Substance Use Disorder Counseling Program a graduated internship experience in which a learner may complete 200 hours of onsite fieldwork in an approved substance use disorders treatment facility. In the weekly seminar, the learner examines the 12

Core Functions applied by the substance use disorders counselor and ethical and legal mandates under which they must practice. Individual strengths and challenges are identified in relationship to the onsite experiences and the learner begins to develop a professional identity as a substance use disorders counselor by applying the knowledge, skills, and attitudes that they have learned in the previous program courses. Attention also is given to how to attend to one's self-care while working within a stressful and demanding field.

Credits

3

Prerequisites

HSER 100 with a grade of C or better **AND** HSER 140 with a grade of C or better **AND** HSER 245 with a grade of C or better **AND** HSER 268 with a grade of C or better **AND** HSER 270 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

HSER 295 - Seminar & Fieldwork II (LEC - Lecture)

Description

The HSER 295 Seminar and Fieldwork course is the second of two required courses, which offers the intern enrolled in the Certificate of Competence in Substance Use Disorder Counseling Program a graduated internship experience in which s/he is able to complete 200 hours of onsite fieldwork in an approved substance use disorders treatment facility. In the weekly seminar, the learner examines the 12 Core Functions of the substance use disorders counselor and the ethical and legal mandates under which they must practice. One's individual strengths and challenges are identified in relationship to the onsite experience and the learner begins to develop a professional identity as a substance use disorders counselor by applying the knowledge, skills, and attitudes that they have learned in the previous program courses. Attention also is given to how to attend to one's self-care while working within a stressful and demanding field.

Credits

3

Prerequisites

HSER 294 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Ilokano

ILO 101 - Beginning Ilokano I (LEC - Lecture)

Description

This course is the first half of Beginning Ilokano and introduces the foundations of the language. Students develop basic listening, speaking, reading, and writing skills. Emphasis is placed on language used in everyday situations and on exploring aspects of Philippine cultures.

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

ILO 102 - Beginning Ilokano II (LEC - Lecture)

Description

This course is the second half of Beginning Ilokano and builds on skills from ILO 101. Students continue to develop listening, speaking, reading, and writing skills. Emphasis is placed on expanding language used in everyday situations and on further exploring aspects of Philippine cultures.

Credits

4

Prerequisites

ILO 101 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

Information & Computer Sciences

ICS 100 - Computing Literacy and Applications (LEC - Lecture)

Description

An introductory survey of computers and their role in the information world emphasizing computing terminology, hardware, and software. Opportunities for “hands on” experience using applications software may include spreadsheets, word processing, presentations, and communications.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 101 - Digital Tools for the Information World (LEC - Lecture)

Description

Fundamental information technology concepts and computing terminology, productivity software for problem solving, computer technology trends and impact on individuals and society. Emphasizes the utilization of operating systems and the production of professional documents, spreadsheets, presentations, databases, and web pages.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 102 - Introduction to Data Science (LEC - Lecture)

Description

Overview of the field of data science. Introduction to subjects, such as data format, processing, visualization, and storage. Special emphasis on historical and wider context, and simple practical examples.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 103 - Introduction to Computer Science Principles (LEC - Lecture)

Description

General course to provide a broad overview of computer science. Will address abstraction, data and information, algorithms, programming, the Internet, and the global impact of computers.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 110P - Introduction to Programming (LEC - Lecture)

Description

A gentle introduction to coding for anyone. Students use design strategies to create programs. Promotes an understanding of basic programming constructs, including control structure and object-oriented programming. The alpha suffix indicates technology such as: P - Python, C - C/C++, D - Animation/Java, M - Mobile, R - Robotics, G - Games, S - C#. Students are able to receive credit for completing multiple ICS 110 courses if the alpha differs.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ICS100 - Computing Literacy and Applications
ICS101 - Digital Tools for the Information World

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 111 - Introduction to Computer Science I (LEC - Lecture)

Description

An overview of the fundamentals of computer science, emphasizing problem solving, algorithm development, implementation, and debugging/testing using an object-oriented programming language.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **AND** MATH 88X with a grade of CR **OR** a higher MATH STEM track course **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 125 - Personal Computer Maintenance and Repair (LEC - Lecture)

Description

Introduction to the hardware components of microcomputer systems. This course provides conceptual and practical foundations in PC maintenance and repair. The specification, selection, installation, and configuration of these components include motherboards, memory, video, sound, network cards, storage devices, monitors, and printers. Opportunities for hands-on activities include installation, configuration, and troubleshooting of components and operating systems (OS).

Credits

3

Prerequisites

None.

Recommended Course Preparation

ICS100 - Computing Literacy and Applications
ICS101 - Digital Tools for the Information World

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 129 - Introduction to Databases (LEC - Lecture)

Description

This course covers the fundamental concepts in database technology, including storage structures, access methods, recovery, concurrency and integrity. The relational model and its implementation will be covered in depth together with an overview of SQL and its role in application development. The course also presents an overview of database administration, including modeling and design activities. A substantial part of the course involves the development of an understanding of database concepts. (Formerly ICS 106, ICS 113)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 131 - Introduction to Virtualization (LEC - Lecture)

Description

This course will introduce students to installation, configuration, networking, and management of virtual machines. Students will have the opportunity to utilize virtual environments to create, manage, and secure virtual machines.

Credits

3

Prerequisites

ICS 184 with a grade of C or better or concurrently enrolled in ICS 184.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 141 - Discrete Mathematics for Computer Science I (LEC - Lecture)

Description

This course includes logic, sets, functions, matrices, algorithmic concepts, mathematical reasoning, recursion, counting techniques, and probability theory.

Credits

3

Prerequisites

Placement in MATH 135 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 170 - Ethics for the Digital World (LEC - Lecture)

Description

An overview of ethical issues and regulations in the digital world related to networked communications, intellectual property, privacy, computer and network security, computer reliability, and workplace issues.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 171 - Introduction to Computer Security (LEC - Lecture)

Description

Examines the essentials of computer security, including risk management, the use of encryption, activity monitoring, intrusion detection; and the creation and implementation of security policies and procedures to aid in security administration.

Credits

3

Prerequisites

ICS 184 with a grade of C or better or currently enrolled in ICS 184 **OR** instructor approval.

Recommended Course Preparation

ICS170 - Ethics for the Digital World

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 184 - Introduction to Networking (LEC - Lecture)

Description

This course provides the student with the knowledge and skills to manage, maintain, troubleshoot, install, operate and configure basic network infrastructure, as well as to describe networking technologies, basic design principles, and adhere to wiring standards and use testing tools. The course also introduces the student to network security concepts.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 211 - Introduction to Computer Science II (LEC - Lecture)

Description

Reinforce and strengthen problem-solving skills using abstract data types and introduce software development practices. Emphasize the use of searching and sorting algorithms and their complexity, recursion, object-oriented programming, and data structures.

Credits

3

Prerequisites

ICS 111 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 212 - Program Structure (LEC - Lecture)

Description

Program organization paradigms, programming environments, implementation of a module from specifications, the C and C++ programming languages.

Credits

3

Prerequisites

ICS 211 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 215 - Introduction to Scripting (LEC - Lecture)

Description

Introduction to scripting languages for the integration of applications and systems. Scripting in operating systems, web pages, server-side application integration, regular expressions, event handling, input validation, selection, repetition, and parameter passing for languages such as Perl, JavaScript, PHP, Python, and/or shell scripting.

Credits

3

Prerequisites

ICS 111 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 231 - Introduction to Linux (LEC - Lecture)

Description

This course will introduce students to various aspects of the Linux operating system. This course will examine and explore the structure, basic functionality, user administration, troubleshooting, system, and application software installation. Advanced topics of shell scripting, system security, maintenance, and essential services will be covered. (Formerly ICS 240)

Credits

3

Prerequisites

ICS 111 with a grade of C or better or concurrently enrolled in ICS 111 **OR** instructor approval.

Recommended Course Preparation

ICS131 - Introduction to Virtualization

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 235 - Machine Learning Methods (LEC - Lecture)

Description

Introduction to contemporary mathematical methods for empirical inference, data modeling, and machine learning.

Credits

3

Prerequisites

Placement in MATH 135 **AND** ICS 110P with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 241 - Discrete Mathematics for Computer Science II (LEC - Lecture)

Description

This course includes program correctness, recurrence relations and their solutions, divide and conquer relations, graph theory, trees and their applications, Boolean algebra, introduction to formal languages, and Automata theory.

Credits

3

Prerequisites

ICS 141 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 262 - Data Analysis Using R and Python (LEC - Lecture)

Description

Students will learn concepts, principles, and tools used in Data Analytics. An introduction to the R statistical programming language will be provided. Students will analyze data using both R and Python.

Credits

3

Prerequisites

ICS 110P with a grade of C or better **AND** ICS 129 with a grade of C or better **AND** ICS 235 with a grade of C or better or concurrently enrolled in ICS 235 **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 263 - Data Visualization (LEC - Lecture)

Description

Introduction to data visualization through practical techniques for turning data into images to produce insight.

Credits

3

Prerequisites

ICS 262 with a grade of C or better or concurrently enrolled in ICS 262 **OR** instructor approval.

Recommended Course Preparation

ICS129 - Introduction to Databases

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 270 - Systems Analysis (LEC - Lecture)

Description

This course uses of tools to analyze, design, develop, test, document, and implement a system.

Credits

3

Prerequisites

ICS 111 with a grade of C or better **AND** ICS 129 with a grade of C or better **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 273 - Network Design and Administration (LEC - Lecture)

Description

This course covers network design fundamentals, including basic switching and routing, layer 2 and 3 protocols, wired and wireless networking, and wide area networking. Fundamental network administration techniques will also be covered as a complement to network design.

Credits

3

Prerequisites

ICS 184 with a grade of C or better **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 274 - Advanced Network Routing and Optimization (LEC - Lecture)

Description

This course covers advanced network design components, including advanced Internet Protocol Version 4 (IPv4) and Internet Protocol Version 6 (IPv6) routing, route optimization, utilities to maintain the network, and three of the most widely used routing protocols.

Credits

3

Prerequisites

ICS 273 with a grade of C or better or concurrently enrolled in ICS 273 **OR** Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 281 - Ethical Hacking (LEC - Lecture)

Description

This course covers basic ethical hacking techniques also known as white-hat hacking. It stresses the moral and legal issues about hacking and how these techniques can be used to defend against attacks as well as to perform authorized system-security evaluation testing.

Credits

3

Prerequisites

ICS 170 with a grade of C or better **AND** ICS 171 with a grade of C or better **AND** ICS 231 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ICS184 - Introduction to Networking

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 282 - Computer Forensics (LEC - Lecture)

Description

This course covers basic computer forensics, including operating system diagnostics; the use of forensic toolkits to examine and validate computer activity; and techniques for the proper collection, examination, and preservation of forensic evidence.

Credits

3

Prerequisites

ICS 170 with a grade of C or better **AND** ICS 171 with a grade of C or better **AND** ICS 231 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

ICS184 - Introduction to Networking

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 284 - Cloud Security (LEC - Lecture)

Description

This course will address the security challenges and remedies of hosting applications and data in the cloud. The cloud provides so many advantages over on-premise hosting of systems and data. There are many security challenges due to locating systems and data in an internet-accessible environment.

Credits

3

Prerequisites

ICS 281 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ICS 293D - Cooperative Education (COP - Cooperative Ed/Work Experience)

Description

Provides practical work experiences in the computer area to apply classroom knowledge and to develop job skills. May be part-time work in the private sectors of the business, government or industrial communities or may be directed study in a particular computer area. The student will meet with the instructor at least once a month and prepare written reports as directed. Acceptance into the courses is by permission of the instructor.

Credits

3

Prerequisites

Earned at least 12 credits from the following:

ICS 100, ICS 101, ICS 102, ICS 110P ICS 111, ICS 125, ICS 129, ICS 141, ICS 170, ICS 171, ICS 184, ICS 211, ICS 212, ICS 215, ICS 231, ICS 241, ICS 270, ICS 273, ICS 274, ICS 281, ICS 282, ICS 284 **AND** Placement in AS-ICS **AND** earned a minimum cumulative GPA of 2.0.

Placement in AS-ICS

Earn a C or better in all ICS courses

If a student obtains/obtained a paid co-op, then the student must be eligible for employment.

Have a cumulative GPA of 2.0 or higher in all courses taken at Leeward Community College.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			3

Interdisciplinary Studies

IS 10 - College Success Seminar (LEC - Lecture)

Description

The College Success Seminar supports first-time college students in making important transitions to college and building connections on campus that contribute towards a successful college experience.

Credits

0

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

IS 103 - Introduction to College (LEC - Lecture)

Description

This course will introduce students to college life and focus on essential transitional elements that promote academic success and personal goals. Students will have an opportunity to become familiar with college and community resources, acquire skills that support academic achievement, and provide opportunities to develop self-awareness and personal and career goals for lifelong learning.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

IS 103B - Introduction to College (LEC - Lecture)

Description

This course is a modular one-credit course providing students fundamental college success skills, (i.e., using college resources, life management, goal setting, life planning). IS 103B is the one credit to the three-credit IS 103 course. (Formerly IS 100A)

Credits

1

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

IS 104 - Career Exploration (LEC - Lecture)

Description

This is a survey course offering preparation for initial career/life exploration and planning. Emphasis is on career decision-making, assessment of self-information, the world of work information, self-assessed interests, values, and a survey of occupational clusters and related academic preparation. Upon completion of this course, students will have developed a basic career action plan comprised of a career goal statement, and short-term and long-term career and educational objectives.

Credits

1

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

IS 105 - Career Development and Life Planning (LEC - Lecture)

Description

This course will focus on workforce and career preparation through the survey of occupational clusters and updated industry information. Students will be taken through the career development process in addition to self-exploration/assessment and planning. Students will have the opportunity to prepare a professional resume and cover letter in addition to a panel mock interview session. Upon completion of this course, students will have a deeper understanding of their career goals and action plan.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

IS 107V - Student Leadership Concepts (LEC - Lecture)

Description

This course is designed to expose students to the basic skills essential for effective student leadership through hands-on learning exercises and student leadership theory development. This course facilitates a shared learning experience, allowing for networking with other students. Students may register for two credits (lecture only) or three credits (lecture and project assignment). Credit choices must be made at the time of registration.

Credits

2 - 3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2		

IS 115 - Self-Development (LEC - Lecture)

Description

This course will increase students' awareness and acceptance of their own personal and cultural values and background, develop learning strategies and communication skills, and address personal attitudes and barriers so as to provide opportunity for educational and career success. This is repeatable for credit. (Formerly SSCI 101)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

IS 116 - Principles of Hawaiian Enrichment (LEC - Lecture)

Description

This course presents indigenous values expressed in the Hawaiian community. Students will increase awareness of their own personal values and skills while understanding their role as stewards of Hawai‘i. Topics include Native Hawaiian spirituality, genealogy research, indigenous leadership, and building a sense of place.

Credits

3

Prerequisites

None.

Recommended Course Preparation

HAW101 - Elementary Hawaiian I

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

IS 250H - Leadership Development (LEC - Lecture)

Description

This course focuses on developing a personal leadership style and philosophy through a survey of leadership and group dynamics theory, and through analysis of moral and ethical responsibilities of leadership. The course integrates readings and discussions of traditional leadership theories with readings from the humanities (classic works of literature and contemporary multicultural writings), media presentations (especially film), and experiential learning exercises. Students accepted in the Honors Program may meet their colloquium requirement with this course.

Credits

3

Prerequisites

ENG 100 with a grade of C or better **OR** Equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Japanese

JPN 101 - Elementary Japanese I (LEC - Lecture)

Description

This course is the first half of Elementary Japanese and introduces the foundations of the language. Students develop basic listening, speaking, reading, and writing skills, beginning with hiragana, katakana, and a limited number of kanji. Emphasis is placed on using basic sentence structures to communicate about everyday topics and situations. Students also explore aspects of Japanese culture.

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

JPN 102 - Elementary Japanese II (LEC - Lecture)

Description

This course is the second half of Elementary Japanese and builds on skills from JPN 101. Students expand their listening, speaking, reading, and writing skills with the introduction of additional kanji. Emphasis is placed on using a wider range of sentence structures to express opinions on familiar topics. Students also explore aspects of Japanese culture.

Credits

4

Prerequisites

JPN 101 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

JPN 201 - Intermediate Japanese I (LEC - Lecture)

Description

This course is the first half of Intermediate Japanese and builds on skills from JPN 102. Students strengthen their listening, speaking, reading, and writing abilities while learning additional kanji. Emphasis is placed on using more complex sentence structures to communicate and share opinions on everyday topics. Students also explore aspects of Japanese culture.

Credits

4

Prerequisites

JPN 102 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

JPN 202 - Intermediate Japanese II (LEC - Lecture)

Description

This course is the second half of Intermediate Japanese and builds on skills from JPN 201. Students refine their listening, speaking, reading, and writing abilities, expanding vocabulary and kanji knowledge. Emphasis is placed on socially appropriate communication using more complex sentence structures and expressing ideas on a wider range of topics. Students also explore aspects of Japanese culture.

Credits

4

Prerequisites

JPN 201 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

Korean

KOR 101 - Elementary Korean I (LEC - Lecture)

Description

A course designed to teach the fundamentals of the language and the culture of the modern Korean. Emphasis is placed on the development of listening, speaking, reading, and writing skills.

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

KOR 102 - Elementary Korean II (LEC - Lecture)

Description

This course continues to build a basic foundation that will enable students to acquire and develop language skills in listening, speaking, reading, and writing in Korean in a linguistically and culturally appropriate manner.

Credits

4

Prerequisites

KOR 101 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

KOR 201 - Intermediate Korean I (LEC - Lecture)

Description

This course is the first half of Intermediate Korean and builds on skills from KOR 102. Students strengthen their listening, speaking, reading, and writing abilities, expanding their vocabulary and grammar. Emphasis is placed on using more complex sentence structures to communicate and share opinions on everyday topics. Students also explore aspects of Korean culture.

Credits

4

Prerequisites

KOR 102 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

KOR 202 - Intermediate Korean II (LEC - Lecture)

Description

This course is the second half of Intermediate Korean and builds on skills from KOR 201. Students refine their listening, speaking, reading, and writing abilities, developing an understanding of more complex grammar and vocabulary. Emphasis is placed on socially appropriate communication using more complex sentence structures and expressing ideas on a wider range of topics. Students also explore aspects of Korean culture.

Credits

4

Prerequisites

KOR 201 with a grade of C or better **OR** equivalent **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

Learning Skills

LSK 110 - College Success Strategies (LEC - Lecture)

Description

This course will acquaint students with the college and its services, prepare students for success in all college courses, and help students begin to explore career options. Students will (1) focus on learning and study skills, critical thinking, basic computer skills, and presentation skills while reinforcing reading, writing, and math skills; (2) learn to improve their ability to recall both spoken and written materials

(memory and concentration skills), visualize concepts, control their anxieties in high stress situations such as during public speaking and test taking (relaxation techniques), and develop a positive image of themselves as effective learners; (3) engage in independent project and group projects both in an online and face-to-face learning environment; (4) examine their career and education options; and (5) learn to understand their own cultural and personal learning styles and blend those with learning techniques expected of college students.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG24 - Reading, Reasoning, & Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Management

MGT 120 - Principles of Management (LEC - Lecture)

Description

This course provides an introduction to management functions from an organizational viewpoint, including planning, organizing, directing, and controlling. Included are contemporary studies that relate to communication, motivation, leadership styles, and decision making.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent.

Recommended Course Preparation

BUS120 - Principles of Business

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MGT 121 - Service Excellence (LEC - Lecture)

Description

This course builds and maintains the critical skills and understanding necessary to be a dynamic and successful member of today's rapidly growing service economy. Individuals who work with customers

will gain insight into customer behavior and attitudes and will develop strategies to create positive customer relationships encountered in various situations on the job.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MGT 122 - Human Relations in Management (LEC - Lecture)

Description

This course is an introduction to the basic concepts of individual, group, and organizational human behavior as they affect human relations, performance, and productivity within the workplace.

Credits

3

Prerequisites

Placement in ENG 100.

Recommended Course Preparation

BUS120 - Principles of Business

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MGT 124 - Human Resource Management (LEC - Lecture)

Description

This course introduces the principles, organizations and techniques of personnel administration including procurement and placement, improvement of performance, management and labor relations, remuneration, security and other human resource functions.

Credits

3

Prerequisites

Placement in ENG 100 **OR** equivalent **OR** instructor approval.

Recommended Course Preparation

BUS120 - Principles of Business

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MGT 200 - Integrated Topics in Management (LEC - Lecture)

Description

This course is an analysis of comprehensive business problems and problem-solving utilizing the application of appropriate contemporary management and business principles and practices. This is a capstone course and should be completed in the last semester.

Credits

3

Prerequisites

BUS 120 with a grade of C or better **AND** MGT 120 with a grade of C or better **AND** MGT 124 with a grade of C or better **AND** MKT 120 with a grade of C or better **AND** MGT 121 with a grade of C or better **AND** MGT 122 with a grade of C or better **AND** ACC 124 with a grade of C or better or ACC 201 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Marketing

MKT 120 - Principles of Marketing (LEC - Lecture)

Description

Introduction to marketing concepts and the application to the process of marketing products, services, and ideas to provide value and benefit to both for-profit and non-profit organizations. Students will develop an understanding of the marketing process, analyze marketing opportunities and develop strategies to fulfill the needs of target markets.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Recommended Course Preparation

BUS120 - Principles of Business

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MKT 130 - Principles of Retailing (LEC - Lecture)

Description

This course provides an introductory view of retailing and its relative position in the marketing chain. Primary emphasis is on the basic functions of a retail store: finance and control, operations, personnel, merchandising and sales promotion.

Credits

3

Prerequisites

Placement in ENG 100 **OR** instructor approval.

Recommended Course Preparation

BUS120 - Principles of Business
MKT120 - Principles of Marketing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Mathematics

MATH 100 - Survey of Mathematics (LEC - Lecture)

Description

This course includes a variety of selected mathematical topics designed to acquaint students with examples of mathematical and quantitative reasoning that demonstrate the beauty, power, clarity, and precision of mathematics. The core course content includes deductive, numeric, symbolic, and graphical and statistical algorithms and reasoning. MATH 100 is not intended as, and does not qualify as, a prerequisite for advanced mathematics courses.

Credits

3

Prerequisites

MATH 78X with a grade of CR **OR** concurrently enrolled in MATH 78X **OR** MATH 88X with a grade of CR **OR** placement in MATH 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 103 - College Algebra (LEC - Lecture)

Description

This course studies functions, graphs, and their properties by generalizing and interpreting techniques initially introduced in elementary algebra. Simplification techniques are used to define, simplify, and derive elementary properties of linear, quadratic, rational, exponential, and logarithmic functions. Equation, system, and inequality solving techniques are used to determine the domain and range, and analyze the nature of the roots and intersection points of functions and graphs. Quantitative interpretation and practical application of functions and graphs are included throughout the course.

Credits

3

Prerequisites

MATH 88X with a grade of CR **OR** concurrently enrolled in MATH 88X **OR** placement in MATH 103.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 111 - Math for Elementary Teachers I (LEC - Lecture)

Description

This course is the first in a two-course sequence (MATH 111 - MATH 112) designed to give elementary education students the depth of understanding necessary to teach mathematics at that level. The emphasis will be on understanding, representing and communicating mathematical ideas; solving problems; and reasoning mathematically. MATH 111 covers problem-solving techniques, number systems and operations, and additional companion topics. Due to potential variation in topic sequencing, it is recommended that students needing both MATH 111 and MATH 112 take the courses sequentially and from the same institution.

Credits

3

Prerequisites

Placement in ENG 100 **AND** MATH 82X with a grade of CR or better **OR** concurrently enrolled in MATH 78X **OR** placement in MATH 111.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 112 - Math for Elementary Teachers II (LEC - Lecture)

Description

This course is the second in a two-course sequence (MATH 111 and MATH 112) designed to give elementary education students a depth of understanding necessary to teach mathematics at that level. The emphasis will be on understanding, representing, and communicating mathematical ideas and

procedures; solving problems; and reasoning mathematically. MATH 112 further develops operations, and covers geometry, introductory probability and statistics, and additional companion topics. Due to potential variation in topic sequencing, it is recommended that students needing both MATH 111 and MATH 112 take the courses sequentially and from the same institution.

Credits

3

Prerequisites

MATH 111 with a grade of C or better or concurrently enrolled in MATH 111, only when the concurrent MATH 111 section and the MATH 112 section are offered as sequential part-of-term courses.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 115 - Introduction to Statistics and Probability (LEC - Lecture)

Description

This course utilizes basic statistical topics including measures of central tendency and dispersion, classification of variables, sampling techniques, elementary probability, normal and binomial probability distributions, tests of hypothesis, and linear regression and correlation in order to solve problems.

Credits

3

Prerequisites

MATH 78X with a grade of CR **OR** concurrently enrolled in MATH 78X **OR** MATH 88X with a grade of CR **OR** placement in MATH 115.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 135 - Precalculus: Elementary Functions (LEC - Lecture)

Description

This course investigates linear, quadratic, polynomial, rational, exponential, logarithmic functions, and related topics. The course is the first part of the precalculus sequence.

Credits

3

Prerequisites

MATH 103 with a grade of C or better **OR** placement in MATH 135.

Recommended Course Preparation

ENG100 - Composition I

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 140 - Precalculus: Trigonometry and Analytic Geometry (LEC - Lecture)

Description

This course studies trigonometric functions, analytic geometry, polar coordinates, vectors, and related topics. This course is the second part of the precalculus sequence.

Credits

3

Prerequisites

MATH 135 with a grade of C or better **OR** placement in MATH 140.

Recommended Course Preparation

ENG100 - Composition I

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 140X - Accelerated Precalculus (LEC - Lecture)

Description

This course is designed to provide an accelerated path to Calculus to students who have a strong background in College Algebra. Topics include the essential pre-calculus skills needed for success in calculus: functions, with special attention to polynomial, rational, exponential, logarithmic, and trigonometric functions; plane and analytic trigonometry; polar coordinates; and conic sections. Credit may not be earned for both MATH 140 and MATH 140X.

Credits

4

Prerequisites

MATH 103 with a grade of B **OR** MATH 135 with a grade of D or better **OR** placement in MATH 140X.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

MATH 241 - Calculus I (LEC - Lecture)

Description

Introduces and develops basic calculus concepts and procedures: limits, continuity, derivatives, and an introduction to integration of single-variable algebraic and trigonometric functions. Derivations of

algorithms and formulas, and proofs of important theorems, are included. Applications of differentiation and integration are introduced to bridge theory and practice. (Formerly MATH 205)

Credits

4.0

Prerequisites

MATH 140 with a grade of C or better **OR** MATH 140X with a grade of C or better **OR** placement in MATH 241.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

MATH 242 - Calculus II (LEC - Lecture)

Description

The second course in the standard four-course calculus sequence. The course extends differentiation and integration to single-variable inverse trigonometric, logarithmic, and exponential functions. Topics include techniques of integration, convergence of improper integrals, sequences and series, Power and Taylor series representations of functions, and an introduction to differential equations. (Formerly MATH 206)

Credits

4.0

Prerequisites

MATH 241 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

MATH 243 - Calculus III (LEC - Lecture)

Description

The third course in the standard four-course calculus sequence. Topics include vector algebra, vector-valued functions, differentiation of functions of several variables, and optimization. (Formerly MATH 231)

Credits

3.0

Prerequisites

MATH 242 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 244 - Calculus IV (LEC - Lecture)

Description

The final course in the standard four-course calculus sequence. Topics include multiple integrals, line integrals, Green's Theorem, surface integrals, Stokes' Theorem, and Gauss's Theorem. (Formerly MATH 232)

Credits

3

Prerequisites

MATH 243 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 78X - College Math Corequisite Support (LEC - Lecture)

Description

This course provides students with just-in-time developmental support for an entry-level college math course (MATH 100, MATH 111, or MATH 115) when the two designated sections are scheduled and taken as a corequisite learning community. Course instructors primarily support students with the corequisite college math course content, with a special emphasis on pattern recognition and problem solving. Course topics are tailored to the corequisite college math course section and may include arithmetic operations review, ratio and percent calculation, unit conversion, graph creation and interpretation, data interpretation, basic algebraic simplification, linear equation solving, and formula manipulation. The college math course content support is supplemented by aspects of math study and learning skills, as needed or appropriate. (Formerly MATH 78B)

Credits

3

Prerequisites

Concurrently enrolled in MATH 100 **OR** concurrently enrolled in MATH 111 **OR** concurrently enrolled in MATH 115.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MATH 82X - Expanded Algebraic Foundations (LEC - Lecture)

Description

This course covers elementary algebra topics. Topics include linear equations and inequalities, graphing, linear systems, properties of exponents, operations on polynomials, factoring, rational and radical expressions and equations, quadratic equations, and applications. Additional topics may include graphing by transformation, introduction to logarithms and functions, and dimensional analysis. Formerly numbered MATH 82.

Credits

5

Prerequisites

Appropriate math placement.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	5		

MATH 88X - College Algebra Corequisite Support (LEC - Lecture)

Description

This course provides students with just-in-time prerequisite prealgebra and developmental algebra instruction that directly supports the topics covered in a MATH 103, College Algebra when the two designated sections are scheduled as a corequisite learning community. Course topics and sequencing are tailored to the corequisite MATH 103 section and may include operations and calculations with numeric expressions, integer exponents, geometric figures and measurements, polynomials and factoring; rational expressions, and square roots and radicals; solutions to basic equations, inequalities, and systems; and introductory graphing. Formerly MATH 98X.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Mechanical Engineering

ME 213 - Introduction to Engineering Design (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to the engineering design process, including an assigned engineering project and associated skills such as communication, presentation, professional ethics, social responsibility, engineering economics, quality control, computer-aided design, and teamwork.

Credits

3

Prerequisites

PHYS 170 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1	4	

Mechatronics

MECH 101 - Industrial Safety Health and Environment (LEC - Lecture)

Description

This course emphasizes the development of knowledge and skills to reinforce the attitudes and behaviors required for safe and environmentally sound work habits for industrial work environments. The course highlights the importance of regulatory compliance issues to be addressed in the performance of all job tasks. Course topics will be reinforced through scenarios performed at the campus as well as industrial sites as available. (Formerly IIT 101)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MECH 121 - Electro-Hydraulics and Pneumatics (Fluid Power Systems) (LEC - Lecture)

Description

This course covers the fundamentals of fluid power and fluid power systems. Students will learn the operating principles and components of hydraulic and pneumatic systems, including pumps, compressors, and actuating devices. Students will learn to design, configure, and troubleshoot hydraulic

and pneumatic systems for industrial automation and process control, incorporating automated actuator control and fail-safe interlocks into the design process. Facilitated learning and practical exercises reinforce the learning. (Formerly IIT 121)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MECH 131 - Mechanical Drive Systems (LEC - Lecture)

Description

This course is an introduction to mechanical drive systems that are typical to automated manufacturing and process systems. The course provides students with an understanding of mechanical energy transmission concepts. Students will apply these concepts to design, configure, and conduct performance analysis on mechanical transmission systems. (Formerly IIT 131)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MECH 151 - Technical Design and Prototyping (LAL - Lecture & Lab Instruction)

Description

This course introduces the student to 3D modeling using CAD/CAM mechanical design automation software. Topics included are: sketching, orthographic projection, descriptive geometry, dimensioning, section views, auxiliary views, primary and secondary views, threads, fasteners, and production drawings. Students will build parametric models of parts and assemblies and make drawings of those parts and assemblies. The student will study CAD/CAM software configurations and translate parametric models to produce prototypes using various manufacturing methods. The course will also cover basic machine safety and operation. (Formerly IIT 151)

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

MECH 171 - Principles of Process Quality (LEC - Lecture)

Description

This course introduces the student to quality concepts, including operating consistency, continuous improvement, plant economics, and statistical process control (SPC) algorithms such as ANOVA. The course provides case studies in root cause analysis. (Formerly IIT 171)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MECH 191 - Metallurgy (LEC - Lecture)

Description

This course provides a comprehensive introduction to the principles of metallurgy and material science, focusing on the structure, properties, and performance of metals and alloys. Students will explore the physical and chemical properties of various metals, the processes used to alter these properties, and their applications in manufacturing. Topics include mechanical testing, metallography, phase diagrams, heat treatment, mechanical properties of metals, corrosion, and failure analysis. Students will gain practical experience in material testing, alloy composition, and microstructural analysis as well as how to select and apply materials for various industrial purposes.

Credits

3

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MECH 201 - AC/DC Circuits (LAL - Lecture & Lab Instruction)

Description

This course introduces the student to direct current and alternating current theory and the laws that represent electrical concepts. The course includes circuit configurations, source and load types, as well as the wiring configurations of common DC and AC electrical devices. Practical exercises reinforce theory, incorporate experiential learning, and emphasize basic circuit analysis and troubleshooting. The course contextualizes the proper use of electrical tools and test equipment. (Formerly IIT 201)

Credits

4

Prerequisites

MATH 103 with a grade of C or better **OR** higher STEM track MATH course.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

MECH 205 - Digital and Analog Circuits (LAL - Lecture & Lab Instruction)

Description

This course introduces the student to the characteristics and applications of digital logic functions, combinational logic circuits, and flip-flops, as well as semiconductor devices and circuits. Practical exercises reinforce theory, incorporate experiential learning, and emphasize basic circuit analysis and troubleshooting. The course contextualizes the proper use of electrical tools and test equipment. (Formerly IIT 205)

Credits

4

Prerequisites

MECH 201 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

MECH 221 - Programmable Logic Control (LAL - Lecture & Lab Instruction)

Description

This course covers the fundamentals of programmable logic controller (PLC) hardware, programming, and integration with mechatronic automation systems. Students will integrate PLC functions by writing logic programs and testing these programs on a functioning system. Students will identify malfunctioning PLC programming and apply troubleshooting strategies to identify and localize problems caused by PLC hardware. (Formerly IIT 221)

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

MECH 231 - Process Control and Instrumentation (LAL - Lecture & Lab Instruction)

Description

This course is a study of the instruments and instrument control systems used in a variety of processing industries, including instrumentation unique to manufacturing and automated production and processing systems. Topics include terminology, process variables, symbology, control loops, and basic troubleshooting, as well as temperature, pressure, and flow formulas used in the process and industrial automation industries. (Formerly IIT 231)

Credits

4

Prerequisites

MATH 103 with a grade of C or better **OR** higher STEM track MATH course.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

MECH 251 - Motors and Motion Control (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to AC & DC motors of various types and the integrated control systems used to control the power and function of electric motors. It is designed to give the student an overview of, and introduction to, the basic principles of the components and circuitry logic programs that integrate motors to systems. Course work emphasizes an overall understanding of the systems, engineering, equipment, and operations of a typical motor system. (Formerly IIT 251)

Credits

4

Prerequisites

MATH 103 with a grade of C or better **OR** higher STEM track MATH course.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

MECH 271 - Computer Integrated Manufacturing (LAL - Lecture & Lab Instruction)

Description

This course is lab-based and provides a theoretical and practical foundation in computer integrated manufacturing and machine tool technology. Topics include machine and tool offsets, machine dynamics, vibration analysis, speed and feed calculations, part layout, precision measuring tools, and the safe set up and operation of Computer Numeric Controlled (CNC) milling machines and their work holding/tool holding devices. The course prepares students for the National Institute for Metalworking Skills (NIMS) level 1 Computer Numeric Control (CNC) Milling examinations. The practical labs include a project required for NIMS credentialing.

Credits

4

Prerequisites

MECH 151 with a grade of C or better **AND** MECH 191 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

MECH 281 - Supervisory Control and Data Acquisition (SCADA) Systems (LAL - Lecture & Lab Instruction)

Description

This course introduces students to Supervisory Control and Data Acquisition (SCADA) Systems concepts, including basic architecture and technology. This course includes how SCADA software is configured, programmed, and networked. Students will program SCADA software, and integrate input/output devices, networking, and communication configurations. (Formerly IIT 281)

Credits

4

Prerequisites

MECH 221 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3	3	

Microbiology

MICR 130 - General Microbiology (LEC - Lecture)

Description

This course covers the fundamentals of microbiology and the role of microorganisms in the environment and in human affairs. Bacteria, viruses, fungi, algae, and protozoa are described, and their importance is discussed. Other topics include cell structure and metabolism, microbial genetics, pathology and epidemiology, and principles of immunology. Emphasis is given to medical aspects of bacterial and viral diseases, immunology, and chemotherapy.

Credits

3

Prerequisites

Placement in ENG 100.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MICR 140L - General Microbiology Lab (LAB - Laboratory)

Description

This lab course includes experiments that involve aseptic techniques and manipulation of microorganisms under laboratory conditions to illustrate the basic principles of microbiology. This course is primarily for students majoring in the health sciences.

Credits

2

Prerequisites

MICR 130 with a grade of C or better or concurrently enrolled in MICR 130.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		4	

Music

MUS 103 - Guitar Ensemble 1 (LAL - Lecture & Lab Instruction)

Description

This course offers an opportunity to study and play guitar ensemble literature from the Renaissance to the present: duets, trios, quartets, and larger groups. May be repeated for additional credits.

Credits

2

Prerequisites

None.

Recommended Course Preparation

MUS121D - Guitar 1

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 104 - Jazz Ensemble 1 (LAL - Lecture & Lab Instruction)

Description

Performance of music for large Jazz Ensemble. Jazz Ensemble 1 offers students an opportunity to study and play both standard and experimental selections from the genre. Emphasis is placed on

originality with regard to compositions and arrangements. Students are expected to be proficient performers on their instrument. Students should have some reading skills. Acceptance into the ensemble is by audition. May be repeated for additional credit. (45 lecture/lab hours)

Credits

2

Prerequisites

Audition **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 106 - Introduction to Music Literature (LEC - Lecture)

Description

Covers the history and development of classical music. Emphasis is on the music of the western hemisphere from the listener's point of view.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MUS 107 - Music in World Cultures (LEC - Lecture)

Description

Folk, popular, and art music from major regions of the world, with emphasis upon Asia and the Pacific; representative styles and regional characteristics.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MUS 108 - Music Fundamentals (LEC - Lecture)

Description

Covers basic concepts of reading, notating and aurally recognizing music in Western culture. Notation of rhythms, pitch, diatonic scales, key and time signatures, the recognition of intervals and use of chords shall be presented. Emphasis will be on music reading, notation, and aural dictation.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MUS 112 - Hawaiian Ensemble 1 (LAL - Lecture & Lab Instruction)

Description

This course focuses on basic vocal and instrumental collaboration, offering students an opportunity to study a wide range of Hawaiian repertoire. The group focus will be on creating vocal and instrumental arrangements from contemporary and traditional Hawaiian folk literature, with an emphasis on originality with regard to arranging. This course is repeatable for additional credits.

Credits

2

Prerequisites

None.

Recommended Course Preparation

MUS108 - Music Fundamentals
MUS121D - Guitar 1
MUS121Z - 'Ukulele 1

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 113 - Hawaiian Ensemble 2 (LAL - Lecture & Lab Instruction)

Description

This course offers students an opportunity to study and play increasingly difficult Hawaiian repertoire. The group focuses on creating vocal and instrumental arrangements from both contemporary and traditional Hawaiian literature, with an emphasis on originality with regard to compositions and arrangements. This course is repeatable for credit.

Credits

2

Prerequisites

MUS 112 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

MUS108 - Music Fundamentals
MUS121D - Guitar 1
MUS121Z - 'Ukulele 1

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 114 - College Chorus (LAL - Lecture & Lab Instruction)

Description

Students will cultivate ensemble singing skills by learning and singing choral works. May be repeated for additional credit(s). Concurrent enrollment in MUS 108 or MUS 121B is strongly recommended.

Credits

2

Prerequisites

None.

Recommended Course Preparation

MUS108 - Music Fundamentals
MUS121B - Voice 1

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 121B - Voice 1 (LAL - Lecture & Lab Instruction)

Description

This course is the first of a three-semester sequence in learning solo singing skills. Students are provided with the opportunity to explore their natural singing voice and find their vocal identity. Concepts and skills introduced in the class include basic techniques in vocal production: alignment, breathing, vowels, resonance, and energy. Concurrent enrollment in MUS 108 is strongly recommended.

Credits

2

Prerequisites

None.

Recommended Course Preparation

MUS108 - Music Fundamentals

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 121C - Piano 1 (LAL - Lecture & Lab Instruction)

Description

This course is an introduction to keyboard skills, including exploring and developing finger technique and elementary note reading skills as it relates to the piano keyboard.

Credits

2

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 121D - Guitar 1 (LAL - Lecture & Lab Instruction)

Description

Introductory classroom instruction in the art of classical guitar playing: solos and ensembles, song accompaniment, technique, music reading, interpretation, stage deportment and music literature.

Credits

2

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 121F - Slack Key Guitar 1 (LAL - Lecture & Lab Instruction)

Description

This course is intended for students with little or no background in slack key guitar and provides a basic introduction to Hawaiian-style slack key guitar playing. Taro Patch (open G) and C tunings are introduced, with an emphasis on slack key technique, standard reading of tablature, and an understanding of basic rhythm structure. The ability to read music is not required. This course is repeatable for additional credits.

Credits

2

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	
		1	

MUS 121Z - 'Ukulele 1 (LAL - Lecture & Lab Instruction)

Description

Introductory classroom instruction in Hawaiian 'ukulele playing: technique, music reading, chord symbols, song accompaniment, stage deportment and ensembles.

Credits

2

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 122B - Voice 2 (LAL - Lecture & Lab Instruction)

Description

This course is a continuation of MUS 121B to develop vocal technique by learning to improve and control the coordination of the singing mechanism. Listening skills will be stressed and supplemented by the study of the International Phonetic Alphabet. Basic musicianship skills will be actively applied in the learning of songs. This class provides students an opportunity to investigate and integrate motion and emotion in a song.

Credits

2

Prerequisites

MUS 121B with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 122C - Piano 2 (LAL - Lecture & Lab Instruction)

Description

This course is a continuation of MUS 121C. This course emphasizes the art of piano playing in a solo and an ensemble setting, technique, and music literature for piano.

Credits

2

Prerequisites

MUS 121C with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 122D - Guitar 2 (LAL - Lecture & Lab Instruction)

Description

A continuation of the skills and concepts in MUS 121D, Guitar 1: solo and ensembles, technique, interpretation, stage deportment and music literature for guitar.

Credits

2

Prerequisites

MUS 121D with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 122Z - 'Ukulele 2 (LAL - Lecture & Lab Instruction)

Description

A continuation of MUS 121Z, 'Ukulele 1, with classroom instruction in Hawaiian and popular styles of 'ukulele playing: technique, music reading, chord symbols, song accompaniment patterns, improvisation, stage deportment and ensembles.

Credits

2

Prerequisites

MUS 121Z with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 140 - Introduction to Audio Production (LEC - Lecture)

Description

Introduction to the process of audio engineering for live concerts or recorded sound. Students learn the proper usage of audio production tools through lecture and hands-on learning activities.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MUS 201 - Vocal Ensemble (LAL - Lecture & Lab Instruction)

Description

This course offers an opportunity to study and sing advanced choir literature from the Renaissance to the present. Audition or consent of instructor required. May be repeated for additional credit(s). See the section on repetition of courses in the course catalog in order to determine the number of repeats allowed.

Credits

2

Prerequisites

Instructor approval.

Recommended Course Preparation

MUS121B - Voice 1

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 203D - Keyboard Ensemble (LAL - Lecture & Lab Instruction)

Description

This course explores and develops repertoire for piano ensemble, on both one piano and two pianos and small groups of two or more keyboards.

Credits

2

Prerequisites

MUS 121C with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 203G - Guitar Ensemble 2 (LAL - Lecture & Lab Instruction)

Description

This course offers an opportunity to study and play advanced guitar ensemble literature from the Renaissance to the present: duets, trios, quartets and larger groups. May be repeated for additional credits. See the section on repetition of courses in the course catalog in order to determine the number of repeats allowed.

Credits

2

Prerequisites

MUS 103 with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 208 - Introduction to Song Writing (LEC - Lecture)

Description

This course is a project-based introduction to songwriting, focusing on basic music theory concepts in music creation (rhythm, meter, pitch, scales, melody, and harmony).

Credits

3

Prerequisites

MUS 108 with a grade of C or better **OR** instructor approval.

Recommended Course Preparation

MUS121C - Piano 1

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MUS 221B - Voice 3 (LAL - Lecture & Lab Instruction)

Description

This course is an advanced voice class, which is a continuation of MUS 122B. Voice 3 is designed for experienced vocal students. Class work includes master class and lectures to aid students in their development and understanding of the art and science of singing. Students are encouraged to refine their vocal technique and to identify the elements that contribute to developing as an effective artist.

May be repeated for additional credit. See the section on repetition of courses in the course catalog in order to determine the number of repeats allowed.

Credits

2

Prerequisites

MUS 122B with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 221H - Guitar 3 (LAL - Lecture & Lab Instruction)

Description

This course is a continuation of the skills and concepts in MUS 122D, Guitar 2. Intermediate and advanced skills and concepts involving solo and ensemble literature, technique, interpretation and stage deportment are addressed. May be repeated for additional credits. See the section on repetition of courses in the course catalog in order to determine the number of repeats allowed.

Credits

2

Prerequisites

MUS 122D with a grade of C or better **OR** instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 229 - Musical Theater (LAL - Lecture & Lab Instruction)

Description

This course offers fundamental training in the skills needed for auditioning and performing in musicals. Topics include character analysis, standard musical theater repertoire, auditioning and performance techniques. Activities include group choreography, ensemble and solo singing, and culminate in a final performance. No prior experience required.

Credits

2

Prerequisites

Ability to pass an audition by singing in tune and/or exhibiting basic dance technique; or approval of instructor.

Recommended Course Preparation

DNCE121 - Beginning Ballet Technique

DNCE131 - Beginning Contemporary Dance Technique
MUS114 - College Chorus
MUS121B - Voice 1
THEA101 - Introduction to Drama and Theatre

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 232B - Applied Music: Voice (INV - Individual Instruction)

Description

This course offers private instruction in the art of singing for intended music majors. May be repeated for additional credits.

Credits

1

Prerequisites

MUS 114 with a grade of C or better or concurrently enrolled in MUS 114 **OR** Instructor approval.

Recommended Course Preparation

MUS121B - Voice 1

Contact Hours (per week)

	Lecture	Lab	Other
Hours			1

MUS 232G - Applied Music: Classical Guitar (INV - Individual Instruction)

Description

Private instruction in the art of classical guitar playing for intended music majors. May be repeated for additional credits. See the catalog section on repetition of courses in order to determine number of repeat allowed.

Credits

1

Prerequisites

Audition and instructor approval.

Recommended Course Preparation

MUS122D - Guitar 2

Contact Hours (per week)

	Lecture	Lab	Other
Hours			1

MUS 232R - Trumpet

Description
Private instruction in the art of trumpet playing for intended music majors. May be repeated for additional credits. See the section on Repetition of courses in order to determine the number of repeat allowed. (7.5 lecture hours; fifteen 30-minute lessons).
Credits
Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			

MUS253 - Elementary Music in Action (LEC - Lecture)

Description
Private instruction in the art of trumpet playing for intended music majors. May be repeated for additional credits. See the section on Repetition of courses in order to determine the number of repeat allowed. (7.5 lecture hours; fifteen 30-minute lessons).

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			

MUS 281 - Music Theory 1 (LEC - Lecture)

Description
This course is a survey of elementary concepts in music theory: melodic, rhythmic, and harmonic materials; musical structure and form; composition and analysis. To be taken concurrently with MUS 283.

Credits

3

Prerequisites

MUS 108 with a grade of C or better AND MUS 283 with a grade or C or better or concurrently enrolled in MUS 283 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MUS 282 - Music Theory 2 (LEC - Lecture)

Description

This course is a continuation of MUS 281. Fundamental concepts in music theory are examined in detail: melodic, rhythmic, and harmonic materials; musical structure and form; composition and analysis.

Credits

3

Prerequisites

MUS 281 with a grade of C or better AND MUS 284 with a grade of C or better or concurrently enrolled in MUS 284 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

MUS 283 - Aural Training 1 (LAL - Lecture & Lab Instruction)

Description

This is a course in the development of aural perception through the techniques of music dictation, sight-singing, and rhythm exercises.

Credits

1

Prerequisites

MUS 108 with a grade of C or better AND MUS 281 with a grade of C or better or concurrently enrolled in MUS 281 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

MUS 284 - Aural Training 2 (LAL - Lecture & Lab Instruction)

Description

This course is a continuation of MUS 283. A course in the development of aural perception through the techniques of music dictation, sight-singing, and rhythm exercises.

Credits

1

Prerequisites

MUS 283 with a grade of C or better AND MUS 282 with a grade of C or better or concurrently enrolled in MUS 282 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	2	1	

Ocean & Earth Science & Tech

OEST 101 - Natural Hazards (LEC - Lecture)

Description

Science of natural hazards: impact on human civilization of events in the lithosphere, atmosphere, biosphere, and hydrosphere (e.g., earthquakes, hurricanes, red tides, and floods), and impact of humans on their exposure to and mitigation of the hazards. This course is transdisciplinary in nature and will use real data to teach foundational principles in geological (earthquakes), oceanographic (tsunamis), and atmospheric science (hurricanes), and more importantly, the close connections between these science disciplines. We will examine how people become vulnerable to natural hazards, how society is affected by them, how people contribute to causing them, and how societies cope or fail to cope with them.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Oceanography

OCN 101 - Introduction to Marine Option Program (LEC - Lecture)

Description

This course is a one-semester orientation to the Marine Option Program. It provides a statewide overview of ocean issues and the organizations involved with marine activities, management, education, research, and businesses related to the marine environment. It will include an exploration of opportunities for internships, research projects, and careers. It will also cover proposal writing, project implementation, and report preparation guidelines.

Credits

1

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

OCN 102 - Introduction to the Environment, Climate Change, and Sustainability (LEC - Lecture)

Description

This course is an introduction to the environment, climate change, and sustainability as they apply to ecosystems. Sustainability will be introduced through active learning exercises that address sustainable development and the three pillars of sustainability.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

OCN 105 - Sustainability in a Changing World (LEC - Lecture)

Description

This course covers environmentally sustainable and non-sustainable practices, and the impacts of climate change, on the development and spread of human societies from prehistory to the 1500s in Asia, Africa, Europe, the Americas, and Hawai‘i/Oceania.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

OCN 201 - Science of the Sea (LEC - Lecture)

Description

This course is a survey of Oceanography, including the structure, formation, and features of ocean basins; seawater properties and distributions; currents; waves; tides; characteristics of marine organisms; marine ecological principles; man and the sea. Field trip required.

Credits

3

Prerequisites

None.

Recommended Course Preparation

MATH82X - Expanded Algebraic Foundations

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

OCN 201L - Science of the Sea Laboratory (LAB - Laboratory)

Description

This course is an introductory laboratory science course consisting of experiments, exercises, and field trips demonstrating the geological, physical, chemical, and biological principles of earth and ocean sciences.

Credits

1

Prerequisites

OCN 201 with a grade of D or better or concurrently enrolled in OCN 201.

Recommended Course Preparation

MATH82X - Expanded Algebraic Foundations

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

Pacific Islands Studies

PACS 108 - Pacific Worlds: Introduction to Pacific Islands Studies (LEC - Lecture)

Description

This course introduces students to the geography, societies, histories, cultures, contemporary issues, and arts of Oceania, including Hawai‘i. Combines lecture and discussion that emphasize Pacific Islander perspectives and experiences.

Credits

3

Prerequisites

Placement in ENG 100 OR Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Pharmacology

PHRM 203 - General Pharmacology (LEC - Lecture)

Description

A lecture course designed to build an understanding of the fundamental principles of drug action; the application of specific drugs in the treatment of disease; normal and abnormal responses of the patient to drug therapy; and the appropriate nursing actions to achieve the desired outcome of drug therapy. Intended for undergraduates in the health sciences and related fields.

Credits

3

Prerequisites

PHYL 142 with a grade of C or better OR Instructor approval.

Recommended Course Preparation

BIOC141 - Fundamentals of Biochemistry
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Philosophy

PHIL 100 - Introduction to Philosophy: Survey of Problems (LEC - Lecture)

Description

This course is a historical or positional approach to some of the major problems of philosophy such as the existence of God, good and evil, the nature of the human being, the nature of human knowledge, truth, freedom, and morality.

Credits

3

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHIL 101 - Introduction to Philosophy: Morals and Society (LEC - Lecture)

Description

This course is an introductory study of moral values, the nature of ends or goals, the voluntary, virtues and vices, natural law, happiness, and nature of morality.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHIL 102 - Introduction to Philosophy: Asian Traditions (LEC - Lecture)

Description

This course investigates problems, methods, and concepts of Asian philosophical traditions, including Hinduism, Buddhism, Taoism, Confucianism, and Zen.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHIL 103 - Introduction to Philosophy: Environmental Philosophy (LEC - Lecture)

Description

This course offers a critical examination of the history of multi-cultural philosophical and ethical systems and their implications for interactions with, and relationships between, humans and non-humans. The critical examination will take place in the context of contemporary environmental/ecological issues.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHIL 110 - Introduction to Deductive Logic (LEC - Lecture)

Description

This course is an introductory course in logic, focusing on the methods and principles of deductive reasoning. Integral to this study will be the presentation of methods for representing logical form and the development of a system of inference rules and strategies that allow for the analysis and evaluation of deductive arguments.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHIL 111 - Intro to Inductive Logic (LEC - Lecture)

Description

This course offers an introduction to inductive reasoning focusing on the role of probability. Students will learn how probabilities, statistics, and risk evaluations are integrated into decision making. More generally, they will develop reasoning strategies that promote drawing logical inferences when evidence leaves them unsure as to what is actually true. Application to the media's use of probabilities and statistics, and the way many academic disciplines use these strategies to analyze and present data, will provide concrete contexts for applying inductive principles and reasoning strategies.

Credits

3

Prerequisites

None.

Recommended Course Preparation

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PHIL110 - Introduction to Deductive Logic

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHIL 130 - Introduction to World Philosophy I (LEC - Lecture)

Description

Introduction to philosophy as it has manifested itself differently across cultures throughout the world before 1500.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHIL 131 - Introduction to World Philosophy II (LEC - Lecture)

Description

Philosophy attempts to understand the human being and the societies they form. Introduces students to the notion of world philosophy, focusing upon thinkers who have helped to shape our present.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHIL 211 - Ancient Philosophy (LEC - Lecture)

Description

An introduction to the history of philosophy based on translations of texts originally written in classical Greek or Latin. The ancient philosophers embraced rational discourse over religious and political authority as the correct method to freedom, happiness, knowledge, and justice. Their early endeavor continues to light the way for those more interested in truth than money or fame.

Credits

3

Prerequisites

ENG 100 with a grade of C or better OR equivalent.

Recommended Course Preparation

PHIL100 - Introduction to Philosophy: Survey of Problems
PHIL101 - Introduction to Philosophy: Morals and Society
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Physics

PHYS 100 - Survey of Physics (LEC - Lecture)

Description

This is an introductory course in physics with topics chosen from, but not limited to, mechanics, thermodynamics, electricity and magnetism, wave theory, optics, and atomic and/or nuclear physics. Emphasis will be placed on understanding basic principles and concepts with application to real-life connections.

Credits

3

Prerequisites

MATH 88X with a grade of CR or better OR Placement in MATH 103 or higher STEM math.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHYS 100L - Survey of Physics Lab (LAB - Laboratory)

Description

This course is an introduction to laboratory techniques and experimental methods of physics with emphasis on linking the understanding of physics concepts with real-life situations. Topics include Hooke's law, falling bodies, collisions, Boyle's law, electric and magnetic fields, induction, waves, and optics.

Credits

1

Prerequisites

PHYS 100 with a grade of C or better or concurrently enrolled in PHYS 100 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

PHYS 151 - College Physics I (LEC - Lecture)

Description

This course is the first course in a two-semester sequence in introductory physics intended for science majors and is offered during the fall semester only. Emphasis is split between concepts and mathematical applications. Algebra, trigonometry, and geometry are used; calculus is not. The course includes mechanics, kinetic theory, and thermodynamics. Required: scientific calculator.

Credits

3

Prerequisites

MATH 140 with a grade of C or better OR MATH 140X with a grade of C or better OR instructor approval.

Recommended Course Preparation

PHYS100 - Survey of Physics

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHYS 151L - College Physics I Lab (LAB - Laboratory)

Description

This course is a non-calculus-based physics laboratory course designed to provide students a hands-on experience in experimental analysis, physical observation, and measurements. Topics include the kinematics and dynamics of motion, heat, and thermodynamics. Offered in the fall semester only.

Credits

1

Prerequisites

PHYS 151 with a grade of C or better or concurrently enrolled in PHYS 151 OR instructor approval.

Recommended Course Preparation

PHYS100L - Survey of Physics Lab

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

PHYS 152 - College Physics II (LEC - Lecture)

Description

This course is the second course in a two-semester sequence in introductory physics intended for science majors. Emphasis is split between concepts and mathematical applications. Algebra, trigonometry, and geometry are used; calculus is not. Course includes electricity and magnetism, wave motion, optics, and atomic and nuclear physics. Required: pocket trig-type calculator. Offered in the spring semester only.

Credits

3

Prerequisites

PHYS 151 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHYS 152L - College Physics II Lab (LAB - Laboratory)

Description

This course is a non-calculus-based physics laboratory course designed to provide students a hands-on experience in experimental analysis, physical observation, and measurements. Topics include electricity, magnetism, and geometric optics. Offered in the spring semester only.

Credits

1

Prerequisites

PHYS 152 with a grade of C or better or concurrently enrolled in PHYS 152 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

PHYS 170 - General Physics I (LEC - Lecture)

Description

Calculus-based general physics course covering the mechanics of particles and rigid bodies: kinematics, force, energy, momentum, rotation, gravitation, oscillations and waves, and thermodynamics.

Credits

4

Prerequisites

MATH 242 with a grade of C or better or concurrently enrolled in MATH 242 OR instructor approval.

Recommended Course Preparation

PHYS100 - Survey of Physics

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

PHYS 170L - General Physics I Lab (LAB - Laboratory)

Description

Experimental analysis in mechanics emphasizing error analysis, measurement techniques, and report writing.

Credits

1

Prerequisites

PHYS 170 with a grade of C or better or concurrently enrolled in PHYS 170 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

PHYS 272 - General Physics II (LEC - Lecture)

Description

Electricity, magnetism, and geometric optics.

Credits

3

Prerequisites

PHYS 170 with a grade of C or better AND MATH 242 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHYS 272L - General Physics II Lab (LAB - Laboratory)

Description

Experimental analysis in electricity, magnetism, and optics.

Credits

1

Prerequisites

PHYS 272 with a grade of C or better or concurrently enrolled in PHYS 272 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

PHYS 274 - General Physics III (LEC - Lecture)

Description

Relativity, introduction to quantum mechanics, atomic and nuclear physics, and physical optics.

Credits

3

Prerequisites

PHYS 152 with a grade of C or better OR PHYS 272 with a grade of C or better AND MATH 243 with a grade of C or better or concurrently enrolled in MATH 243.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Physiology

PHYL 141 - Human Anatomy and Physiology I (LEC - Lecture)

Description

This course is the first semester of a comprehensive two-semester course that provides a thorough introduction to the structure and function of the human body. This course covers the gross anatomy, histology, and physiology of the integumentary, skeletal, muscular, and nervous systems. Students will be expected to learn details of anatomy and physiology as well as apply those details in the broader context of whole body function and homeostasis. The covered topics include body orientation, chemical level, cellular level, tissue level, integumentary system, bone tissue, skeletal system, joints, muscular tissue, muscular system, nervous tissue, spinal cord and spinal nerves, brain and cranial nerves, autonomic nervous system, and special senses.

Credits

3

Prerequisites

ENG 100 with a grade of C or better or equivalent AND CHEM 151 with a grade of C or better or CHEM 161 with a grade of C or better or BIOC 141 with a grade of C or better or 1 year of high school college-prep chemistry with a C or better within the last 5 years AND HLTH 125 with a grade of C or better or concurrently enrolled in HLTH 125 AND PHYL 141L with a grade of C or better or concurrently enrolled in PHYL 141L.

Recommended Course Preparation

BIOL101 - Biology and Society
MICR130 - General Microbiology
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHYL 141L - Human Anatomy and Physiology I Lab (LAB - Laboratory)

Description

This course is the laboratory course of Human Anatomy and Physiology I, and it provides a thorough introduction to the structure and function of the human body. This course covers the gross anatomy, histology, and physiology of the integumentary, skeletal, muscular, and nervous systems. Students will be expected to learn details of anatomy and physiology through models, dissections, and physiological experimentations. Students will also apply those details in the broader context of whole body function and homeostasis. The covered topics include body orientation, chemical level, cellular level, tissue level, integumentary system, bone tissue, skeletal system, joints, muscular tissue, muscular system, nervous tissue, spinal cord and spinal nerves, brain and cranial nerves, autonomic nervous system, and special senses.

Credits

1

Prerequisites

ENG 100 with a grade of C or better or concurrently enrolled in ENG 100 or equivalent AND CHEM 151 with a grade of C or better OR CHEM 161 with a grade of C or better OR BIOC 141 with a grade of C or better OR 1 year of high school college-prep chemistry with a B or better within the last 5 years AND HLTH 110 with a grade of C or better or concurrently enrolled in HLTH 110 OR HLTH 125 with a grade of C or better or concurrently enrolled in HLTH 125 AND PHYL 141 with a grade of C or better or concurrently enrolled in PHYL 141.

Recommended Course Preparation

BIOL101 - Biology and Society
MICR130 - General Microbiology
Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

PHYL 142 - Human Anatomy and Physiology II (LEC - Lecture)

Description

This course is the second semester of a comprehensive two-semester course that provides a thorough introduction to the structure and function of the human body. This course covers the gross anatomy, histology, and physiology of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproduction systems as well as basic concepts of inheritance and development. Students will be expected to learn details of anatomy and physiology as well as apply those details in the broader context of whole body function and homeostasis. This course is the companion course to PHYL 142L.

Credits

3

Prerequisites

PHYL 141 with a grade of C or better AND PHYL 141L with a grade of C or better or equivalent AND PHYL 142L with a grade of C or better or concurrently enrolled in PHYL 142L.

Recommended Course Preparation

BIOL101 - Biology and Society
MICR130 - General Microbiology
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PHYL 142L - Human Anatomy and Physiology II Lab (LAB - Laboratory)

Description

This course is the laboratory course of PHYL 142, Human Anatomy and Physiology II, and it provides a thorough introduction to the structure and function of the human body. This course covers the gross anatomy, histology, and physiology of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems as well as basic concepts of inheritance and development. Students will be expected to learn details of anatomy and physiology through models, dissections, and physiological experimentations. Students will also apply those details in the broader context of whole body function and homeostasis.

Credits

1

Prerequisites

PHYL 141 with a grade of C or better AND PHYL 141L with a grade of C or better or equivalent AND PHYL 142 with a grade of C or better or concurrently enrolled in PHYL 142.

Recommended Course Preparation

BIOL101 - Biology and Society
MICR130 - General Microbiology

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

Political Science

POLS 110 - Introduction to Political Science (LEC - Lecture)

Description

This course is an introduction to the discussion of politics as an activity and of political problems, systems, ideologies, and processes.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition
ENG24 - Reading, Reasoning, & Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

POLS 140 - Introduction to Indigenous Politics (LEC - Lecture)

Description

This course delves into the foundational tenets of Indigenous political dynamics, encapsulating a multifaceted panorama of cultural variegation across disparate regions. It endeavors to dissect and elucidate the intricate tapestry of political challenges confronting Indigenous communities, both on a localized scale and within the broader global arena.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition
ENG24 - Reading, Reasoning, & Writing

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

POLS 150 - Introduction to Global Politics (LEC - Lecture)

Description

This course is designed to introduce foundations in global politics from political, historical, and multicultural perspectives.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition
ENG24 - Reading, Reasoning, & Writing
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

POLS 180 - Introduction to Politics in Hawai'i (LEC - Lecture)

Description

This course is a study of Hawai'i political history, institutions, processes, and issues; Hawai'i's place in the national and international political arenas; and the future of politics in Hawai'i.

Credits

3

Prerequisites

None.

Recommended Course Preparation

ENG22 - Introduction to Composition
ENG24 - Reading, Reasoning, & Writing
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Psychology

PSY 100 - Survey of Psychology (LEC - Lecture)

Description

This course is a survey of the field of Psychology focusing on basic principles of human behavior and cognition (e.g., motivation, learning, perception, emotion, etc.) as they relate to the individual.

Credits

3

Prerequisites

Placement in ENG 100 OR Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PSY 202 - Psychology of Gender (LEC - Lecture)

Description

Survey of topics relevant to gender and its impact on the lives of women and men, including socialization of gender, mental health, racial identity, majority-minority status, sexual orientation, life-span issues and violence. Cross-listed as WGSS 202 (formerly WS 202). (A student cannot earn credit for both WGSS 202 and PSY 202.)

Credits

3

Prerequisites

PSY 100 with a grade of C or better OR WS 151 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PSY 212 - Survey of Research Methods (LEC - Lecture)

Description

This course is a survey of standard methods and related conceptual issues employed in psychological research. Both experimental and non-experimental methods will be reviewed.

Credits

3

Prerequisites

PSY 100 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PSY 220 - Introduction to Behavioral Psychology (LEC - Lecture)

Description

This course provides an outline of basic learning principles. Topics covered include classical conditioning, operant conditioning, behavior modification, and application of findings from laboratory research to various areas of psychology and other social sciences.

Credits

3

Prerequisites

PSY 100 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PSY 225 - Statistical Techniques (LEC - Lecture)

Description

This course provides an introduction to statistical techniques used in psychology including frequency distributions, graphic methods, central tendency, variability, correlation, reliability, and tests of significance.

Credits

3

Prerequisites

PSY 100 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PSY 230 - Introduction to Psychobiology (LEC - Lecture)

Description

This course is a survey of the study of behavior from a natural sciences viewpoint. Topics covered will include evolution, ethological analysis of behavior genetics, neural mechanisms, drugs and behavior, and biological development. (Formerly PSY 298B)

Credits

3

Prerequisites

PSY 100 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PSY 240 - Developmental Psychology (LEC - Lecture)

Description

Emotional, mental, physical, and social development from infancy to adulthood; interests and abilities at different age levels.

Credits

3

Prerequisites

PSY 100 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PSY 250 - Social Psychology (LEC - Lecture)

Description

This course is a scientific study of the influence of people on the thoughts, feelings, and behaviors of other people. This course examines how individuals affect and are affected by others. Topics include impression formation, conformity and social influence, self-perception, attitudes, aggression, prejudice, helping, attraction, group processes, and other components of social interaction.

Credits

3

Prerequisites

PSY 100 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

PSY 260 - Psychology of Personality (LEC - Lecture)

Description

The scientific study of personality, including theories, assessment, development, and relationships to cultural-social determinants.

Credits

3

Prerequisites

PSY 100 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Quantitative Methods

QM 107C - Quant Methods in AMT (LEC - Lecture)

Description

This course covers the quantitative methods, reasoning, and applications necessary to perform tasks and solve problems encountered by automotive technologists. The quantitative methods covered include computational operations; geometry and measurement; ratio, proportion, and percent; statistics and probability; and trigonometry. Applications include major automotive systems such as engines, drive train, chassis, and suspension. QM 107C is designed for the Automotive Technology program's degree and certificates, but does not satisfy the Foundation-Quantitative Reasoning (FQ) core requirement of an Associate in Arts degree.

Credits

3

Prerequisites

Placement in QM107C or concurrently enrolled in QM 78 OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

QM 78 - Quantitative Methods Companion (LEC - Lecture)

Description

This course provides students concurrently enrolled in QM 107C with Just-In-Time support with special emphasis on pattern recognition and problem solving. Course topics are tailored to the QM 107C topics and may include ratio and percent, unit conversion, graphs, data interpretation, basic algebra, solving linear equations, and working with formulas.

Credits

1

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	1		

Religion

REL 150 - Introduction to the World's Major Religions (LEC - Lecture)

Description

This course is a survey of the origins, teachings, practices, and present-day situation of the world's major religions: Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shinto, Taoism, and Indigenous traditions.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 151 - Religion and the Meaning of Existence (LEC - Lecture)

Description

This course is an investigation of basic concepts running through the world's major religious traditions that bear on the issue of what constitutes and enhances the meaningfulness of human existence.

Credits

3

Prerequisites

ENG 100 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 200 - Understanding the Old Testament (LEC - Lecture)

Description

Examination of the Old Testament (Hebrew Bible) as an expression of the religious life, history, and thought of ancient Israel and as a sacred text within later Judaism and Christianity.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 201 - Understanding the New Testament (LEC - Lecture)

Description

Intellectual analysis of the origin and development of the early Christian message as set forth in the New Testament. Special attention will be given to the messages of Jesus and Paul and their relevance to the modern world.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 202 - Understanding Indian Religions (LEC - Lecture)

Description

Teachings and practices of major religious traditions of India, to include Hindu traditions, Buddhism, Jainism, and Sikhism. Some attention will be given to the influences of Islam and Christianity on these traditions.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Recommended Course Preparation

REL150 - Introduction to the World's Major Religions

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 204 - Understanding Japanese Religions (LEC - Lecture)

Description

Broad survey, with primary focus on Shinto, Buddhist, and modern sectarian movements, analyzed in relation to social and cultural themes of major historical periods.

Credits

3

Prerequisites

ENG 100 with a grade of C or better OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 205 - Understanding Hawaiian Religion (LEC - Lecture)

Description

A general introductory survey of Hawaiian religious teaching and practice from ancient times to the present.

Credits

3

Prerequisites

ENG 22 with a grade of CR OR ENG 24 with a grade of CR OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 207 - Understanding Buddhism (LEC - Lecture)

Description

This course is an investigation of the major forms, practices, and concepts of the Buddhist tradition.

Credits

3

Prerequisites

ENG 100 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 209 - Understanding Islam (LEC - Lecture)

Description

REL 209 focuses on the history, scriptures, beliefs, practices, law, and philosophy of Islam.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Recommended Course Preparation

REL150 - Introduction to the World's Major Religions

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

REL 210 - Understanding Christianity (LEC - Lecture)

Description

History of ideas concentrating on events, persons, and issues with the greatest impact on the evolution of Christianity.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Recommended Course Preparation

REL150 - Introduction to the World's Major Religions

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Science

SCI 295X - STEM Research - Experiential Learning in Food Biosecurity (COP - Cooperative Ed/ Work Experience)

Description

Students will engage in research, outreach or leadership activities in agriculture or natural resource management including protection of crops and environment from pests, diseases and invasives. They will learn about career opportunities and experiences through field and laboratory experiences, internships or seminars and presentations (Formerly SCI 295AG)

Credits

1

Prerequisites

Instructor approval

Contact Hours (per week)

	Lecture	Lab	Other
Hours			2

Social Work

SW 200 - The Field of Social Work (LEC - Lecture)

Description

This course offers the learner an orientation to the profession of social work in the context of existing within a multicultural society. It examines the nature and scope of social work practice, its historical origins, and its development. It also surveys the foundational values of the field, the philosophy of the profession, codes of ethics, methods of practice, and a range of interventions.

Credits

3

Prerequisites

ENG 100 with a grade of C or better OR equivalent OR instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Sociology

SOC 100 - Survey of General Sociology (LEC - Lecture)

Description

This course is an introduction to basic sociological concepts, theories and findings with emphasis on the sociological perspective to gain insight into basic social relationships, social structures and processes.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SOC 151 - Introduction to Sociology of Food (LEC - Lecture)

Description

Introduction to the sociological analysis of food by challenging students to think critically about issues involving food production, food consumption behaviors, and the controversies surrounding food production and practices and its impact to people, community, and the environment. Students will also evaluate social justice issues related to current social movements that have emerged to address these issues.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SOC 214 - Introduction to Race and Ethnic Relations (LEC - Lecture)

Description

This course examines the historical and current social constructions of race and ethnicity in shaping social relations in Hawai‘i, the United States, and other countries. The primary focus of this course is to explore racial and ethnic experiences and inequalities by applying sociological theoretical perspectives.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SOC 218 - Introduction to Social Problems (LEC - Lecture)

Description

This course is an introduction to the sociological analysis of social problems. Topics vary by semester.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SOC 231 - Introduction to Juvenile Delinquency (LEC - Lecture)

Description

This course focuses on juvenile delinquency in the U.S. and examines: the nature of and trends in juvenile delinquency; explanations for and theories of juvenile delinquency; and institutional responses to and treatment of juvenile delinquency including discussion of the U.S. juvenile justice system.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SOC 250 - Community Forces in Hawai`i (LEC - Lecture)

Description

This course is designed to acquaint the student with sociological principles and the application of these principles to aid in the awareness, understanding, and appreciation of the unique social environment of the State of Hawai‘i. Fundamental concepts of sociology in the area of race relations are presented with emphasis on Hawai‘i's unique potential "melting pot" social environment and the development of an "unorthodox race doctrine" for Hawai`i. Sociological aspects of the various cultural contributions by the ethnic groups to Hawai‘i, including values, concepts, practices, history, and language are also investigated.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SOC 250H - Community Forces in Hawai`i - Honors (LEC - Lecture)

Description

This is an honors course. It is always offered with a writing intensive focus and entails a research assignment. It is designed to acquaint the student with sociological principles and the application of these principles to aid in the awareness, understanding, and appreciation of the unique social environment of the State of Hawai‘i. Fundamental concepts of sociology in the area of race relations are presented with emphasis on Hawai‘i's unique potential "melting pot" social environment and the development of an "unorthodox race doctrine" for Hawai`i. Sociological aspects of the various cultural contributions by the ethnic groups to Hawai‘i, including values, concepts, practices, history, and language are also investigated.

Credits

3

Prerequisites

ENG 100 with a grade of C or better OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SOC 251 - Introduction to Sociology of the Family (LEC - Lecture)

Description

This course is a survey of contemporary family life. Using a cross-cultural perspective, this course examines variations in relationships and family patterns focusing on choices in relationships; current patterns, trends, and changes in these choices and family life. Love, sex roles, sexual attitudes, and their relationship within the institution of the family are discussed along with partner selection, dating, marriage, singlehood, divorce, separation, or widowhood. Examines current issues in family, such as career and family conflicts, alternative family forms, cultural differences, family planning and parenthood, and family violence.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Spanish

SPAN 101 - Elementary Spanish I (LEC - Lecture)

Description

This course covers the basic structures of the Spanish language emphasizing speaking, writing, listening and reading comprehension. Students learn to communicate in Spanish through directed drills and practice in class.

Credits

4

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

SPAN 102 - Elementary Spanish II (LEC - Lecture)

Description

This course continues the basic structures of the Spanish language acquired in 101 emphasizing speaking, writing, listening and reading comprehension. Students further develop communication skills through directed drills and practice in class.

Credits

4

Prerequisites

SPAN 101 with a grade of C or better OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	4		

SPAN 201 - Intermediate Spanish I (LEC - Lecture)

Description

This course covers the intermediate Spanish language structures and reflines the information acquired in 102 emphasizing speaking, writing, listening and reading comprehension. Students communicate and become more proficient in Spanish by gaining knowledge of more complex structures through directed drills and practice in class.

Credits

3

Prerequisites

SPAN 102 with a grade of C or better OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SPAN 202 - Intermediate Spanish II (LEC - Lecture)

Description

This course continues the intermediate Spanish language structures acquired in 201 emphasizing speaking, writing, listening and reading comprehension. Students continue to communicate and become more proficient in Spanish by gaining knowledge of more complex structures through directed drills and practice in class.

Credits

3

Prerequisites

SPAN 201 with a grade of C or better OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Speech

SP 151 - Personal and Public Speech (LEC - Lecture)

Description

This course prepares students to communicate effectively in diverse contexts. Emphasis is placed on developing interpersonal, small group, and public speaking abilities.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SP 181 - Interpersonal Communication (LEC - Lecture)

Description

This course introduces students to the study of interpersonal communication. Emphasis is placed on developing strategies that support effective interpersonal interactions. (Formerly COM 145)

Credits

3

Prerequisites

ENG 100 with a grade of C or better OR equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

SP 251 - Principles of Effective Public Speaking (LEC - Lecture)

Description

This course involves extensive practice in preparing and presenting effective public speeches with special emphasis on organization, outlining, audience analysis, analytical reasoning, and delivery skills.

Credits

3

Prerequisites

ENG 100 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Theatre

THEA 101 - Introduction to Drama and Theatre (LEC - Lecture)

Description

Performance traditions of Asia, Europe, North America, and the Pacific from the 5th century B.C. to the present. Analysis of political, religious, and technological conditions of theatre throughout history to now. Practical application workshops based on and around theatrical forms studied in the course.

Credits

3

Prerequisites

ENG 100 with a grade of C or better OR equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

THEA 200B - Beginning Theatre Practicum: Acting (PRA - Practicum)

Description

Beginning workshop experience in the practical application of theatre skills. (B) acting (Formerly THEA 297B) Prerequisite: instructor consent

Credits

1

Prerequisites

Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			1

THEA 200C - Beginning Theatre Practicum: Stage Craft (PRA - Practicum)

Description

Beginning workshop experience in the practical application of theatre skills. (C) stagecraft (Formerly THEA 297C) Prerequisite: instructor consent

Credits

1

Prerequisites

Instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			1

THEA 220 - Beginning Voice and Movement (LEC - Lecture)

Description

This course is an introduction to the basic fundamentals of voice and movement for the actor. Students will concentrate on breathing and relaxation exercises and other approaches to increase self-awareness and potential for self-expression. The work in this class is intended as preparatory for a wide range of acting/movement/vocal techniques.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

THEA 221 - Acting I (LEC - Lecture)

Description

This course is an introduction to acting with individual and group exercises in movement for the stage, improvisation, monologue preparation, and group performance.

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

THEA 222 - Acting II (LEC - Lecture)

Description

This course is the advanced work in improvisation and character development. Vocal and physical training is emphasized, particularly in scene work. Actors are expected to work together to present scenes to the class. This course is repeatable once for credit.

Credits

3

Prerequisites

THEA 221 with a grade of C.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

THEA 230 - Storytelling and Multi-Media Performance (LEC - Lecture)

Description

This course is a practical performance-oriented course emphasizing the art of storytelling and performance. Students create and rehearse individual and group stories/monologues. The

course examines the dramatic structure, audience needs, directing, and acting techniques unique to the craft of a performer or storyteller.

Credits

3

Prerequisites

ENG 100 with a grade of C or better OR instructor approval.

Recommended Course Preparation

THEA101 - Introduction to Drama and Theatre
THEA221 - Acting I
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

THEA 240 - Introduction to Stagecraft (LEC - Lecture)

Description

An introduction to stagecraft and the technical aspects of theatre, including basic theory and fundamentals of lighting, set construction, sound, costuming, makeup, and stage management. Class time will be divided between lectures and laboratory work in the theatre. (Formerly DRAM 240)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

THEA 260 - Dramatic Production (STU - Studio)

Description

This course is a practical introduction to converting a script into a performance and the ability to devise a production and use technology as needed. Students are required to participate in at least two aspects of a public performance. This course may be repeated twice for credit (three times maximum).

Credits

3

Prerequisites

THEA 221 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			7.5

THEA 262 - Local Style Theatre (STU - Studio)

Description

This is a practical performance-oriented theatre course that presents the local experience in a theatrical production. The actual production activities the student undertakes will vary with the production requirements of the play being produced. May be repeated for credit twice.

Credits

3

Prerequisites

THEA 221 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours			7.5

THEA 280 - Beginning Playwriting (LEC - Lecture)

Description

This course introduces the structure, guidelines, and format of the monologue and short play; beginning with the conception of an idea, followed by effective outlining techniques, subsequent drafts, and the final product in a polished monologue and short play.

Credits

3

Prerequisites

ENG 100 with a grade of C or better OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Women, Gender & Sexuality Studies

WGSS 151 - Introduction to Women, Gender and Sexuality Studies (LEC - Lecture)

Description

An interdisciplinary introductory course which looks at the gender roles and relationships between women and men and among women, historically and in contemporary societies. Examines the social, cultural, historical, and political influences on the status of women.

Presents women's experiences from diverse backgrounds, social structures, and cultures. (Formerly WS 151.)

Credits

3

Prerequisites

None.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

WGSS 200 - Culture, Gender, and Appearance (LEC - Lecture)

Description

This course explores the social construction of gender within culture and its visual expression through appearance. An analysis of role, identity, conformity, and deviance in human appearance is emphasized. (Formerly WS 200.)

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent OR instructor approval.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

WGSS 202 - Psychology of Gender (LEC - Lecture)

Description

Survey of topics relevant to gender and its impact on the lives of women and men: socialization of gender, mental health, racial identity, majority-minority status, sexual orientation, life-span issues and violence. Cross-listed as PSY 202. (A student cannot earn credit for both PSY 202 and WGSS 202 (formerly WS202).)

Credits

3

Prerequisites

PSY 100 with a grade of C or better AND WS 151 with a grade of C or better.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

WGSS 256 - Dynamics of Family Violence & Sexual Assault (LEC - Lecture)

Description

This course is designed to encourage the development of knowledge, skills, sensitivity, and self-care practices for engaging individuals and families affected by interpersonal violence. It examines historical, societal, and legal responses and resources. The content includes a focus on the physical, emotional, and sexual victimization of vulnerable populations such as children, elders, and LGBTQ+. It also addresses dating violence, human trafficking, and intimate partner violence. It examines current research on social, economic, cultural, family, and individual risk factors, perpetrator dynamics, effects of violence on victims and survivors, and effective intervention and prevention strategies. Learners have an opportunity to explore their own values. (Formerly WS 256.)

Credits

3

Prerequisites

Placement in ENG 100 or equivalent **OR** instructor approval.

Recommended Course Preparation

HSER100 - Exploration of Self in Society
WGSS151 - Introduction to Women, Gender and Sexuality Studies
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

WGSS 290V - Topics in Women, Gender and Sexuality Studies (LEC - Lecture)

Description

This course offers a selection of various topics in Women, Gender and Sexuality Studies utilizing perspectives and data from many disciplines. Topics examine issues involved in sexism and sex role differentiation by centering women's positions, contributions, concerns and problems. This course may be repeated for a maximum of 6 credits. (Formerly WS 290V.)

Credits

1 - 3

Prerequisites

Completion of at least 1 course with a grade of C or better from: AMST, ANTH, ED, GEOG, HDFS, HSER, POLS, PSY, SW, WS, ECON, SOC or WGSS.

Recommended Course Preparation

WGSS151 - Introduction to Women, Gender and Sexuality Studies
Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

Zoology

ZOOL 101 - Principles of Zoology (LEC - Lecture)

Description

An introduction to the study of animal life. Basic principles of biology are covered, including the role of plants as primary producers of chemical energy. The mechanisms of digestion, circulation, osmoregulation, excretion, locomotion, nerve action, and reproduction in representative animals are discussed. The chemical and cellular mechanisms involved in the transmission of inheritance are studied. The evolution of plant and animal life, the interaction of organisms in their environment, food chains and trophic levels, and ecological distributions are introduced. Representative animal phyla, including both invertebrates and vertebrates, are studied from the viewpoint of systematics and structural characters. This course is designed to provide the student with basic information and vocabulary in preparation for advanced courses in zoology and biology.

Credits

3

Prerequisites

Placement in ENG 100 OR equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ZOOL 101L - Principles of Zoology Lab (LAB - Laboratory)

Description

Companion laboratory to ZOOL 101, Principles of Zoology. The laboratory and field activities in ZOOL 101L provide an overview of an introduction to the study of animal life. The mechanisms of digestion, circulation, osmoregulation, excretion, locomotion, nerve action, and reproduction in representative animals are discussed. The cellular mechanisms involved in the transmission of inheritance are studied. The evolution of animal life, the interaction of organisms in their environment, food chains and trophic levels, and ecological distributions are introduced. Representative animal phyla, including both invertebrates and vertebrates, are studied from the viewpoint of systematics and structural characters.

Credits

1

Prerequisites

Placement in ENG 100 OR equivalent AND ZOOL 101 with a grade of C or better or concurrently enrolled in ZOOL 101.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

ZOOL 200 - Marine Biology (LEC - Lecture)

Description

An introduction to marine animals and plants; their ecological relationships, structures and systematics; physical and chemical characteristics of the marine ecosystems; survey of marine environments; and utilization, exploitation, pollution, and conservation of marine resources; with special emphasis on the Hawaiian marine environment.

Credits

3

Prerequisites

ZOOL 200L with a grade of C or better or concurrently enrolled in ZOOL 200L AND placement in ENG 100 OR equivalent.

Recommended Course Preparation

ZOOL101 - Principles of Zoology
ZOOL101L - Principles of Zoology Lab

Contact Hours (per week)

	Lecture	Lab	Other
Hours	3		

ZOOL 200L - Marine Biology Lab (LAB - Laboratory)

Description

Companion laboratory to ZOOL 200 Marine Biology. The laboratory and field activities in ZOOL 200L provide an overview of marine life in Hawai‘i inclusive of taxonomy, body structure and function, geographical distribution, and ecological relationships. The physical and chemical features of Hawai‘i's varied marine environments are also examined.

Credits

1

Prerequisites

ZOOL 200 with a grade of C or better or concurrently enrolled in ZOOL 200 AND placement in ENG 100 OR equivalent.

Contact Hours (per week)

	Lecture	Lab	Other
Hours		3	

Degrees and Certificates

Academic Subject Certificate (ASC)

Accounting (ASC-ACCT)

The Academic Subject Certificate, Accounting is designed to provide workforce skills to Liberal Arts students while earning their AA degree. Students taking these courses will also be able to enter the workforce after receiving their certificate and can continue to work while pursuing a bachelor's degree. In addition, students interested in exploring accounting as a possible major at a four-year institution can take these courses as electives while earning their AA liberal arts degree.

Students earning the Academic Subject Certificate in Accounting will be working towards an AA liberal arts degree. Leeward's AA liberal arts degree requires a total of 60 credits including 29 elective credits.

Students would target their electives to the courses specified in the Academic Subject Certificate in Accounting. The courses include customer service and accounting classes. The customer service course provides basic skills required of anyone planning to work in an office-based workplace. Additionally, our Accounting Advisory Board has recommended as many accounting skills classes as possible. Students would take ACC 201 and ACC 202 which are the conceptual classes for Financial and Managerial Accounting. Both courses would be required of any student continuing on for a four-year degree in business. Finally, students would choose two courses from a list of four skill-based accounting courses. These courses give students hands-on experience in accounting functions.

Any student meeting the prerequisites for the courses would be admitted into the program. No new courses are being created. The certificate would use the same admission and counseling resources as other programs.

The following are the requirements for the Academic Subject Certificate in Accounting.

MGT 121 Service Excellence (3)

Accounting Core Requirement (6 - 9)

ACC 201* Intro to Financial Accounting (3) and ACC 202 Managerial Accounting (3)

or

ACC 124* Principles of Accounting (3), ACC 125* Principles of Accounting II (3), and ACC 202 Managerial Accounting (3)

Electives

Select two Accounting Electives from below (6)

ACC 132 Payroll and Hawaii GE Tax

ACC 134 Individual Income Tax Prep

ACC 252 Using QuickBooks in Accounting

ACC 255 Using Excel in Accounting

Total Credits Required 15-18

NOTES: *ACC 124 and ACC 125 can be taken to meet the ACC 201 requirement. Please see an Academic Advisor for help in choosing ACC 124 and ACC 125 or ACC 201. UH Mānoa will only accept credit for the combination of ACC 201 and ACC 202 or ACC 124, ACC 125, and ACC 202.

The sequence of ACC 124, 125, and 202 is equivalent to the sequence of ACC 201 and 202 and vice versa. Therefore, credit will not be given for both sequences. A student who has completed ACC 124 or ACC 125 may not use ACC 201 as an elective for any AS, AA, or AAS degree. Similarly, a student who has completed ACC 201 may not use ACC 124 and ACC 125 as an elective for any AS, AA, or AAS degree. Note: UH Mānoa will only accept credit for the combination of ACC 201 and ACC 202 or ACC 124, ACC 125, and ACC 202.

Students must earn a grade of "C" or better in all accounting (ACC) courses.

Semester 1

6 Total Credits:

- **Complete all of the following**
  - **Completed the following:**
    - **MGT121 - Service Excellence (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC201 - Introduction to Financial Accounting (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC124 - Principles of Accounting I (3)**

Semester 2

9 Total Credits:

- **Complete all of the following**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC202 - Introduction to Managerial Accounting (3)**

        - Earned a minimum grade of C in each of the following:
            - ACC125 - Principles of Accounting II (3)
    - Complete 2 of the following
        - Earned a minimum grade of C in each of the following:
            - ACC132 - Payroll and Hawai‘i General Excise Tax (3)
        - Earned a minimum grade of C in each of the following:
            - ACC134 - Individual Income Tax Preparation (3)
        - Earned a minimum grade of C in each of the following:
            - ACC252 - Using QuickBooks® in Accounting (3)
        - Earned a minimum grade of C in each of the following:
            - ACC255 - Using Excel® in Accounting (3)

Semester 3: Only for student who took ACC 124 and ACC 125

3 Total Credits:

- Earned a minimum grade of C in each of the following:
    - ACC202 - Introduction to Managerial Accounting (3)

Grand Total Credits: 18

Business (ASC-BUS)

This certificate is designed to provide a foundation in accounting, economics, mathematics, computer applications, and written and oral communication for students who plan to earn a bachelor's degree in business administration.

All ACC courses must be completed with grade of "C" or higher.

Accounting Series*: 6 or 9 credits

- **ACC 201 Introduction to Financial Accounting (3) + ACC 202 Introduction to Managerial Accounting (3) or**
- **ACC 124 Principles of Accounting I (3) + ACC 125 Principles of Accounting II (3) + ACC 202 Introduction to Managerial Accounting (3)**

Other requirements: 18 credits

- **ENG 100 Composition I (3)**
- **SP 151 Personal and Public Speech (3) or SP 251 Principles of Effective Public Speaking (3)**
- **ECON 130 Principles of Microeconomics (3)**
- **ECON 131 Principles of Macroeconomics (3)**

- **BUS 101 Business Info Systems (3) or ICS 101 Digital Tools for the Information World (3)**
- **MATH 103 College Algebra (3)**, MATH 115 Introduction to Statistics and Probability (3)**, or higher MATH, or BUS 250 Applied Mathematics in Business (3)*****

Total: 24 or 27 credits

NOTE: Students need to check receiving institution (to which they are transferring) for specific math requirement or see an academic advisor for appropriate math course.

***Possible combinations of accounting courses ACC 124 + ACC 125 + ACC 202, or ACC 201 + ACC 202.**

UHWO transfers: **MATH 103 and **MATH 115 articulate with UH West O'ahu as a General Education Foundations Symbolic Reasoning (FQ) course and will satisfy the lower division math requirement for the Bachelor of Arts in Business Administration

UH Mānoa transfers: ***BUS 250 meets the Shidler College of Business, UH Mānoa FQ General Education Core

Semester 1

12 Total Credits:

- **Complete all of the following**
  - **Completed the following:**
    - **ENG100 - Composition I (3)**
    - **ECON130 - Principles of Microeconomics (3)**
  - **Completed at least 1 of the following:**
    - **SP151 - Personal and Public Speech (3)**
    - **SP251 - Principles of Effective Public Speaking (3)**
  - **Completed at least 1 of the following:**
    - **ACC124 - Principles of Accounting I (3)**
    - **ACC201 - Introduction to Financial Accounting (3)**

Semester 2

12 Total Credits:

- **Complete all of the following**
  - **Completed the following:**
    - **ECON131 - Principles of Macroeconomics (3)**
  - **Completed at least 1 of the following:**
    - **BUS101 - Business Info Systems (3)**
    - **ICS101 - Digital Tools for the Information World (3)**

- Complete 1 of the following
  - Completed at least 1 of the following:
    - MATH103 - College Algebra (3)
    - BUS250 - Applied Mathematics in Business (3)
  - Complete 1 of the following
    - Completed at least 1 of the following:
      - MATH115 - Introduction to Statistics and Probability (3)
    - Or higher.
- Complete 1 of the following
  - Students who completed ACC 124 in Semester 1, must take ACC 125. Students who completed ACC 201 in Semester 1, must take ACC 202.
  - Completed at least 1 of the following:
    - ACC125 - Principles of Accounting II (3)
    - ACC202 - Introduction to Managerial Accounting (3)

Semester 3

3 Total Credits:

- Complete 1 of the following
  - Students who did not take ACC 202 in Semester 2.
  - Completed the following:
    - ACC202 - Introduction to Managerial Accounting (3)

Grand Total Credits: 27

Community Food Security (ASC-CFS)

This certificate is designed to offer students a comprehensive understanding of the Community Food Security movement through coursework, skill development, and insights into certified organic farm operations and produce marketing. The courses introduce students to the local, national, and international aspects of the Community Food Security movement. They also equip students with the skills needed for organic food cultivation, the preparation of farm produce for sale to restaurants and markets, and the creation and delivery of educational activities for elementary, middle, and high school students. Moreover, students will gain knowledge about Hawaiian culture, as well as insights related to plants, nutrition, the environment, and agriculture. With this strong foundation, it is anticipated that students will be well-prepared to pursue degrees in various fields, such as environmental resources, education, nutrition, and sustainability.

The ASC is multi-disciplinary and includes courses from the Math and Science, Social Science, Arts and Humanities, and Language Arts Divisions. To earn the certificate, a minimum of a C grade in each of the courses is required.

Required courses:

ENG 100 Composition I (3)

SOC 151 Sociology of Food (3)

AG 112 Introduction to Organic Agriculture (4)

HWST 291 Contemporary Hawaiian Issues (3)

HWST 107 Hawaii: Center of the Pacific (3)

Total credits: 16

Semester 1

13 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HWST107 - Hawai'i: Center of the Pacific (3)**
  - **ENG100 - Composition I (3)**
  - **AG112 - Introduction to Organic Agriculture (4)**
  - **SOC151 - Introduction to Sociology of Food (3)**

Semester 2

3 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HWST291 - Contemporary Hawaiian Issues (3)**

Grand Total Credits: 16

Digital Art (ASC-DART)

This Academic Subject Certificate in Digital Art encompasses a focus on visual art produced digitally, which emphasizes digital photography.

The courses are organized to progress the students from introductory to intermediate level competency in Digital Art/Digital Photography. All courses must be completed with a C or better grade.

Core requirement (15 credits total):

ART 101 Introduction to Visual Arts (3 credits)

ART 107D Introduction to Digital Photography (3 credits)

ART 112 Digital Art (3 credits)

ART 207D Intermediate Digital Photography (3 credits)

ART 277D Digital Photography: Light and Image (3 credits)

Electives (one of the following, 3 credits):

ART 115 Introduction to Design (3 credits)

ART 115D Introduction to 2D Digital Design (3 credits)

DMED 131 Introduction to Digital Video (3 credits)

Total including one elective: 18 credits

Semester 1

9 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ART101 - Introduction to the Visual Arts (3)**
  - **ART107D - Introduction to Digital Photography (3)**
  - **ART112 - Intro to Digital Arts (3)**

Semester 2

9 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **ART207D - Intermediate Digital Photography (3)**
    - **ART277D - Digital Photography: Light and Image (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ART115 - Introduction to Design (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **ART115D - Introduction to 2D Digital Design (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **DMED131 - Introduction to Digital Video (3)**

Grand Total Credits: 18

Filipino Studies (ASC-FLST)

The Academic Subject Certificate in Filipino Studies is designed to provide an introduction to the arts, cultures, histories, and languages of Filipino people. The Certificate may be completed within the total credit requirements for the associate in arts degree. This certificate provides a valuable foundation to students planning to earn a bachelor's degree in Asian Studies, Ethnic Studies, Education, and other related fields and is recommended to students of any ethnic heritage who are interested in Filipino arts, cultures, histories, languages and the evolution of ethnic minorities in the United States.

A minimum of 15 credits is required to fulfill the requirements of the Filipino Studies Academic Subject Certificate Program. Students may choose from the recommended electives in addition to the 12 required core credits to earn the Certificate. A minimum grade of "C" in all courses is required to earn the Certificate.

The curriculum of the Filipino Studies ASC program is organized as follows:

Core Requirement 12 credits

FIL 107 Introduction to Filipino Studies 3 credits

FIL 253 Filipino History, Culture & Arts 3 credits

FIL 254 Filipinos in the U.S. 3 credits

FIL 255 Contemporary Philippine Issues 3 credits

All four core courses are required to earn the Certificate.

Recommended Electives (beyond the 12 credits required for the Certificate)

IS 115 (formerly SSCI 101) Self-Development 3 credits

FIL 101 Elementary Filipino I 4 credits

FIL 102 Elementary Filipino II 4 credits

Total Credits: 15-16

Semester 1

15 - 16Total Credits

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **FIL107 - Introduction to Filipino Studies (3)**
    - **FIL253 - Filipino Culture, History, and the Arts (3)**
    - **FIL254 - Filipinos in the United States: The History and Culture of Filipinos in the U.S. (3)**
    - **FIL255 - Contemporary Philippine Issues (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **IS115 - Self-Development (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **FIL101 - Elementary Filipino I (4)**

- Earned a minimum grade of C in each of the following:
  - FIL102 - Elementary Filipino II (4)

Grand Total Credits: 15 - 16

Global Studies (ASC-GLST)

The Academic Subject Certificate in Global Studies is designed to promote cultural sensitivities and international engagement by students at Leeward Community College. It builds upon the strengths of our Hawaiian and multiethnic communities in the Pacific. This program correlates with the system-wide efforts to position the University of Hawai`i as a preeminent center of international learning. The purpose of this certificate is to prepare students to meet the challenges of an interconnected and interdependent world as globally conscious and internationally engaged citizens.

All Core Requirements require a grade of "C" or better.

Core Requirements: Choose one course from each of the five groups (15-16 credits):

GROUP 1 (Culture, Society and Globalization) = 3 credits (mandatory one course)

- **ANTH 152 Culture and Humanity (3)**
- **ANTH 200 Cultural Anthropology (3)**
- **GEO 102 World Regional Geography (3)**
- **GEO 151 Geography and Contemporary Society (3)**
- **POLS 150 Introduction to Global Politics (3)**

GROUP 2 (Global Business and Economics) = 3 credits (mandatory one course)

- **ECON 120 Introduction to Economics (3)**
- **ECON 130 Principles of Microeconomics (3)**
- **ECON 131 Principles of Macroeconomics (3)**

Group 3 (Global History, Philosophy and Religion) = 3 credits (mandatory one course)

- **HIST 151World History to 1500 (3)**
- **HIST 152 World History since 1500 (3)**
- **HIST 284 History of the Hawaiian Islands (3)**
- **PHIL 130 Introduction to World Philosophy I (3)**
- **REL 150 Introduction to the World's Major Religions (3)**

Group 4 (Global Arts) = 3 credits (mandatory one course)

- **ART 175 Survey of Global Art (3)**
- **ART 176 Survey of Global Art II (3)**
- **COM 210H Intercultural Communications Honors (3)**
- **ENG 270 Introduction to Literature: Literary History (3)**
- **MUS 107 Music in World Cultures (3)**

Group 5 (Hawaiian and Foreign Language) = 3-4 credits (mandatory one course or equivalent)

- **KOR 101 Elementary Korean I (4)**
- **KOR 102 Elementary Korean II (4)**
- **KOR 201 Intermediate Korean I (4)**
- **KOR 202 Intermediate Korean II (4)**
- **FR 101 Elementary French I (4)**
- **FR 102 Elementary French II (4)**
- **FR 201 Intermediate French I (3)**
- **FR 202 Intermediate French II (3)**
- **SPAN 101 Elementary Spanish I (4)**
- **SPAN 102 Elementary Spanish II (4)**
- **SPAN 201 Intermediate Spanish I (3)**
- **SPAN 202 Intermediate Spanish II (3)**
- **HAW 101 Elementary Hawaiian I (4)**
- **HAW 102 Elementary Hawaiian II (4)**
- **HAW 201 Intermediate Hawaiian I (4)**
- **HAW 202 Intermediate Hawaiian II (4)**
- **FIL 101 Elementary Filipino I (4)**
- **FIL 102 Elementary Filipino II (4)**
- **JPN 101 Elementary Japanese I (4)**
- **JPN 102 Elementary Japanese II (4)**
- **JPN 201 Intermediate Japanese I (4)**
- **JPN 202 Intermediate Japanese II (4)**
- **ENG 100E Composition I (for non-native speakers of English) (3)**

Electives: 3-4 credits

Any of the core courses not previously selected as one of the core requirements may be taken as an elective or any course from the following list:

- **AMST 212 Contemporary American Global Issues (3)**
- **FIL 107 Introduction to Filipino Studies (3)**
- **FIL 253 Filipino Culture, History, and the Arts (3)**
- **FIL 255 Contemporary Philippine Issues (3)**
- **BIOL 124 Environment and Ecology (3)**
- **ENG 270 Introduction to Literature: Literary History (3)**

- HIST 231 Modern European Civilizations I (3)
- HIST 232 Modern European Civilizations II (3)
- HIST 241 Asian Civilizations I (3)
- HIST 242 Civilizations of Asia II (3)
- HIST 244 Introduction to Japanese History (3)
- HIST 251 Islamic Civilization (3)
- HIST 260 Twentieth Century World History (3)
- HIST 281 Introduction to American History I (3)
- HIST 282 Introduction to American History II (3)
- HIST 288 Oceania Survey (3)
- HWST 107 Hawai'i: Center of the Pacific (3)
- HWST 270 Hawaiian Mythology (3)
- HWST 291 Contemporary Hawaiian Issues (3)
- PACS 108 Pacific Worlds: Introduction to Pacific Islands Studies (3)
- PHIL 102 Introduction to Philosophy: Asian Traditions (3)
- PHIL 131 Introduction to World Philosophy II (3)
- POLS 180 Introduction to Politics in Hawai'i (3)
- REL 202 Understanding Indian Religions (3)
- REL 204 Understanding Japanese Religions (3)
- REL 207 Understanding Buddhism (3)
- REL 209 Understanding Islam (3)
- Study Abroad (3-4)

Total Credits: 18 - 20

There are no program entrance requirements prescribed for this certificate, but individual course prerequisites apply.

Students will select five courses (15-16 credits) from the core requirements and one course (3-4 credits) from the list of electives (any of the core courses not previously selected as one of the core requirements may be taken as an elective). A single course cannot count towards two categories.

Requirements

18 - 19Total Credits

Course Requirements

- **Complete all of the following**
  - **GROUP 1 (Culture, Society and Globalization)**
  - **Completed at least 1 of the following:**
    - **ANTH152 - Culture and Humanity (3)**
    - **ANTH200 - Cultural Anthropology (3)**
    - **GEO102 - World Regional Geography (3)**
    - **GEO151 - Geography and Contemporary Society (3)**
    - **POLS150 - Introduction to Global Politics (3)**

GROUP 2 (Global Business and Economics)

- Completed at least 1 of the following:
  - ECON120 - Introduction to Economics (3)
  - ECON130 - Principles of Microeconomics (3)
  - ECON131 - Principles of Macroeconomics (3)

Group 3 (Global History, Philosophy and Religion)

- Completed at least 1 of the following:
  - HIST151 - World History to 1500 (3)
  - HIST152 - World History since 1500 (3)
  - HIST284 - History of the Hawaiian Islands (3)
  - PHIL130 - Introduction to World Philosophy I (3)
  - REL150 - Introduction to the World's Major Religions (3)

Group 4 (Global Arts)

- Completed at least 1 of the following:
  - ART175 - Survey of Global Art I (3)
  - ART176 - Survey of Global Art II (3)
  - COM210 - Intercultural Communication (3)
  - ENG270 - Introduction to Literature: Literary History (3)
  - MUS107 - Music in World Cultures (3)

Group 5 (Hawaiian and Foreign Language)

- Complete 1 of the following
  - Completed at least 1 courses of the following types: Foreign Language
  - Completed at least 1 of the following:
    - HAW101 - Elementary Hawaiian I (4)
    - HAW102 - Elementary Hawaiian II (4)
    - HAW201 - Intermediate Hawaiian I (4)
    - HAW202 - Intermediate Hawaiian II (4)
  - Completed the following:
    - ENG100E - Composition I (3)

Electives

- Complete 1 of the following
  - Earned at least 3 credits from the following:
    - AMST212 - Contemporary American Global Issues (3)
    - FIL107 - Introduction to Filipino Studies (3)
    - FIL253 - Filipino Culture, History, and the Arts (3)
    - FIL255 - Contemporary Philippine Issues (3)
    - BIOL124 - Environment and Ecology (3)
    - ENG270 - Introduction to Literature: Literary History (3)
    - HWST107 - Hawai'i: Center of the Pacific (3)
    - HWST270 - Hawaiian Mythology (3)
    - HWST291 - Contemporary Hawaiian Issues (3)
    - HIST231 - Modern European Civilization I (3)
    - HIST232 - Modern European Civilization II (3)

        - HIST241 - Civilizations of Asia I (3)
        - HIST242 - Civilizations of Asia II (3)
        - HIST244 - Introduction to Japanese History (3)
        - HIST251 - Islamic Civilization (3)
        - HIST260 - Twentieth Century World History (3)
        - HIST281 - Introduction to American History I (3)
        - HIST282 - Introduction to American History II (3)
        - HIST288 - Oceania Survey (3)
        - PACS108 - Pacific Worlds: Introduction to Pacific Islands Studies (3)
        - PHIL102 - Introduction to Philosophy: Asian Traditions (3)
        - PHIL131 - Introduction to World Philosophy II (3)
        - POLS180 - Introduction to Politics in Hawai'i (3)
        - REL202 - Understanding Indian Religions (3)
        - REL204 - Understanding Japanese Religions (3)
        - REL207 - Understanding Buddhism (3)
        - REL209 - Understanding Islam (3)
    - Completed at least 3 credits from the following types of courses: Study Abroad

Grand Total Credits: 18 - 19

Hawaiian Language (ASC-LBRT-HAW)

This certificate is intended to provide students with a strong introduction to the culture and language of Hawai‘i. The certificate enhances the Liberal Arts degree and prepares students with a strong foundation to complete their baccalaureate degrees in Hawaiian Language or other fields of study at the University of Hawai‘i.

All required courses must be completed with a grade of C or higher.

Required Courses:

- HWST 107 Hawai'i: Center of the Pacific (3)
- HAW 101 Elementary Hawaiian I (4)
- HAW 102 Elementary Hawaiian II (4)
- HAW 201 Intermediate Hawaiian I (4)
- HAW 202 Intermediate Hawaiian II (4)

Total Credits: 19

Semester 1

7 Total Credits:

- Earned a minimum grade of C in each of the following:
    - HWST107 - Hawai'i: Center of the Pacific (3)
    - HAW101 - Elementary Hawaiian I (4)

Semester 2

4 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HAW102 - Elementary Hawaiian II (4)**

Semester 3

4 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HAW201 - Intermediate Hawaiian I (4)**

Semester 4

4 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HAW202 - Intermediate Hawaiian II (4)**

Grand Total Credits: 19

Hawaiian Studies (ASC-HWST)

This certificate is intended to provide students with a strong introduction to the culture, language, and history of Hawai‘i and the Native Hawaiian people. The certificate enhances the Liberal Arts degree and prepares students with a strong foundation to complete their baccalaureate degrees in Hawaiian Studies or other fields of study at the University of Hawai‘i.

Students must pass all courses with a grade of C or better.

REQUIRED COURSES: 14 credits

HAW 101 Elementary Hawaiian I (4)

HAW 102 Elementary Hawaiian II (4)

HWST 107 Hawai'i: Center of the Pacific (3)

HWST 270 Hawaiian Mythology (3)

ELECTIVE COURSES: 3 - 4 credits

HWST 105 Mea Kanu Hawaii: Ethnobotany (3)

HWST 128 Introduction to Hula Kahiko (3)

HWST 129 Introduction to Hula ʻAuana (3)

HWST 207 Hawaiian Perspectives in Ahupua'a Resource Management (3)

HWST 276 Introduction to Hawaiian Literature in English (3)

HWST 245 Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)

HWST 281 Hoʻokele I: Hawaiian Astronomy and Weather (3)

HWST 285 Lāʻau Lapaʻau: Hawaiian Medicinal Herbs (4)

HWST 291 Contemporary Hawaiian Issues (3)

HIST 284 History of the Hawaiian Islands (3)

REL 205 Understanding Hawaiian Religion (3)

Total Credits: 17 - 18

Semester 1

7 Total Credits:

- **Completed the following:**
  - **HAW101 - Elementary Hawaiian I (4)**
  - **HWST107 - Hawai'i: Center of the Pacific (3)**

Semester 2

10 - 11Total Credits

- **Complete all of the following**
  - **Completed the following:**
    - **HAW102 - Elementary Hawaiian II (4)**
    - **HWST270 - Hawaiian Mythology (3)**
  - **Completed at least 1 of the following:**
    - **HWST105 - Mea Kanu Hawaiʻi: Hawaiian Ethnobotany (3)**
    - **HWST128 - Introduction to Hula Kahiko (3)**
    - **HWST129 - Introduction to Hula ʻAuana (3)**
    - **HWST207 - Hawaiian Perspectives in Ahupua'a Resource Management (3)**
    - **HWST245 - Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)**
    - **HWST276 - Introduction to Hawaiian Literature in English (3)**
    - **HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)**
    - **HWST285 - Lāʻau Lapaʻau: Hawaiian Medicinal Herbs (4)**
    - **HWST291 - Contemporary Hawaiian Issues (3)**
    - **HIST284 - History of the Hawaiian Islands (3)**

- REL205 - Understanding Hawaiian Religion (3)

Grand Total Credits: 17 - 18

History (ASC-LBRT-HIS)

The Academic Subject Certificate in History will provide students with a strong foundation in geohistorical, cultural, and global connections. The courses in this certificate provide the basis for basic writing, critical-thinking, and problem-solving skills to help students in a wide range of fields. The certificate fulfills most of the core requirements for the Associate of Arts degree, WI requirements, and some additional elective requirements. The certificate will be a guided path for students who intend to earn a Bachelor's Degree in history. It will also provide a general foundation for a career in teaching, the travel industry, the service industry, and other fields such as health and law. The certificate will encourage students to attend a four-year college in the University of Hawai'i system or elsewhere.

All required courses must be completed with a C or better grade.

Core (12 Credits)

ENG 100 Composition (3)

Any FQ course (3)

HIST 151 World History to 1500 (3) or HIST 156 World History of Human Disease (3)

HIST 152 World History since 1500 (3) or HIST 156 World History of Human Disease (3)

History Concentration (9 Credits)

HIST 231 Modern European Civilizations I (3)

HIST 232 Modern European Civilizations II (3)

HIST 241 Asian Civilizations I (3)

HIST 242 Civilizations of Asia II (3)

HIST 244 Introduction to Japanese History (3)

HIST 251 Islamic Civilization (3)

HIST 260 Twentieth Century World History (3)

HIST 281 Introduction to American History I (3)

HIST 282 Introduction to American History II (3)

HIST 284 History of the Hawaiian Islands (3)

HIST 288 History of the Pacific Islands (3)

Total Credits: 21

Semester 1

12 Total Credits:

- **Complete all of the following**
  - **Complete all of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ENG100 - Composition I (3)**
    - **Complete 1 of the following**
      - **Earned a minimum grade of C in each of the following:**
        - **HIST151 - World History to 1500 (3)**
      - **Earned a minimum grade of C in each of the following:**
        - **HIST156 - World History of Human Disease (3)**
  - **Completed at least 3 credits from the following types of courses: FQ courses**
  - **Earned at least 3 credits from the following:**
    - **HIST231 - Modern European Civilization I (3)**
    - **HIST232 - Modern European Civilization II (3)**
    - **HIST241 - Civilizations of Asia I (3)**
    - **HIST242 - Civilizations of Asia II (3)**
    - **HIST244 - Introduction to Japanese History (3)**
    - **HIST251 - Islamic Civilization (3)**
    - **HIST260 - Twentieth Century World History (3)**
    - **HIST281 - Introduction to American History I (3)**
    - **HIST282 - Introduction to American History II (3)**
    - **HIST284 - History of the Hawaiian Islands (3)**
    - **HIST288 - Oceania Survey (3)**

Semester 2

9 Total Credits:

- **Complete all of the following**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **HIST152 - World History since 1500 (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **HIST156 - World History of Human Disease (3)**
  - **Earned at least 6 credits from the following:**
    - **HIST231 - Modern European Civilization I (3)**
    - **HIST232 - Modern European Civilization II (3)**

- HIST241 - Civilizations of Asia I (3)
- HIST242 - Civilizations of Asia II (3)
- HIST244 - Introduction to Japanese History (3)
- HIST251 - Islamic Civilization (3)
- HIST260 - Twentieth Century World History (3)
- HIST281 - Introduction to American History I (3)
- HIST282 - Introduction to American History II (3)
- HIST284 - History of the Hawaiian Islands (3)
- HIST288 - Oceania Survey (3)

Grand Total Credits: 21

Information and Computer Science (ASC-ICS)

This certificate prepares the student to transfer to either the BA or BS degree programs in Information & Computer Science at UH Mānoa, or the BS degree program in Computer Science at UH Hilo. The course sequence provides students with the opportunity to take all freshman and sophomore level required ICS courses at Leeward CC before transferring.

To earn the certificate, a minimum of a "C" grade in each of the courses is required.

ICS111 - Introduction to Computer Science I (3)
ICS141 - Discrete Mathematics for Computer Science I (3)
ICS211 - Introduction to Computer Science II (3)
ICS241 - Discrete Mathematics for Computer Science II (3)
ICS212 - Program Structure (3) OR ICS215 - Introduction to Scripting (3)

Total credits: 15

Semester 1

6 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ICS111 - Introduction to Computer Science I (3)**
  - **ICS141 - Discrete Mathematics for Computer Science I (3)**

Semester 2

6 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ICS211 - Introduction to Computer Science II (3)**
  - **ICS241 - Discrete Mathematics for Computer Science II (3)**

Semester 3

3 Total Credits:

- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - ICS212 - Program Structure (3)
  - Earned a minimum grade of C in each of the following:
    - ICS215 - Introduction to Scripting (3)

Grand Total Credits: 15

Management (ASC-MGMT)

Designed to enhance the marketability and increase earning potential of liberal arts students who will enter the workforce upon graduation, work while earning their associates degree, or continue working while pursuing a bachelor's degree.

All Business Division courses in this certificate (ACC, BUS, and MGT) require a grade of "C" or better.

The following are the requirements for the Academic Subject Certificate in Management:
MGT 121 Service Excellence (3)

BUS 120 Principles of Business (3)

ACC 124 Principles of Accounting I (3) or ACC 201 Introduction to Financial Accounting (3)

ICS 101 Digital Tools for the Information World (3) or BUS 101 Business Info Systems (3)

MGT 120 Principles of Management (3)

MGT 122 Human Relations in Business (3)
Total Credits: 18

Students earning the Academic Subject Certificate in Management will be working towards an AA liberal arts degree. According to the guidelines detailed in UHCCP #5.203 for the Associate Degree and the Academic Subject Certificate requirements, the 18 credits for the certificate will fit within the 26 elective credits required in the College's AA liberal arts degree.
Students would target their electives to the courses specified in the Academic Subject Certificate in Management. The courses include customer service, business computer systems, basic accounting, principles of business, principles of management, and human relations in business. These courses introduce basic skills and knowledge required of anyone planning to work in a supervisory position.
Any student meeting the prerequisites for the courses would be admitted into the program. No new courses are being created. The certificate would use the same admission and counseling resources as other programs.

Semester 1

15 Total Credits:

- Complete all of the following
  - Completed the following:
    - BUS120 - Principles of Business (3)
    - MGT120 - Principles of Management (3)
    - MGT121 - Service Excellence (3)
  - Complete 1 of the following
    - Completed the following:
      - BUS101 - Business Info Systems (3)
    - Completed the following:
      - ICS101 - Digital Tools for the Information World (3)
  - Complete 1 of the following
    - Completed the following:
      - ACC124 - Principles of Accounting I (3)
    - Completed the following:
      - ACC201 - Introduction to Financial Accounting (3)

Semester 2

3 Total Credits:

- Completed the following:
  - MGT122 - Human Relations in Management (3)

Grand Total Credits: 18

Marine Option Program (MOP) (ASC-MOP)

The Marine Option Program (MOP) is designed to assist students interested in relating the ocean to their educational aspirations while earning their Associate in Arts degree. This certificate emphasizes an 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 project. Students develop their own customized “skill project” as part of the Certificate. MOP sponsors numerous field trips, a newsletter, and many opportunities for networking with other interested students and professionals.

A grade of "C" or better is required for all core courses.

Core Requirements: 7-8 credits

- OCN 101 Introduction to Marine Option Program (1)
- OCN 199 Independent Study - MOP Skill Project (2-3)
- Complete one of the following options of marine survey lecture + lab courses: 4 credits
  - OCN 201 Science of the Sea (3) + OCN 201L Science of the Sea Lab (1)

- ZOOL 200 Marine Biology (3) + ZOOL 200L Marine Biology Lab (1)

Electives: 4-6 credits

- AQUA 254 Nutrition of Aquatic Organisms (3)
- AQUA 262 Introduction to Aquaculture (3)
- AQUA 262L Introduction to Aquaculture Lab (1)
- BIOL 124 Environment and Ecology (3)
- BIOL 124L Environment and Ecology Lab (1)
- BIOL 200 Coral Reefs (3)
- BIOL 200L Coral Reefs Lab (1)
- BOT 130 Plants in the Hawaiian Environment (3)
- BOT 130L 1 Plants in the Hawaiian Environment Lab (1)
- ERTH 103 Geology of the Hawaiian Islands (formerly GG 103) (3)
- HIST 284 History of the Hawaiian Islands (3)
- OCN 102 Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN 105 Sustainability in a Changing World (3)
- OCN 201 Science of the Sea (if not counted as the required survey course) (3)
- OCN 201L Science of the Sea Lab (if not counted as the required survey course) (1)
- ZOOL 200 Marine Biology (if not counted as the required survey course) (3)
- ZOOL 200L Marine Biology Lab (if not counted as the required survey course) (1)

Note that the lab course must be a companion course to a lecture course you have taken concurrently or previously, e.g. OCN 201 and OCN 201L.

Electives can include any marine-related course accepted for the MOP certificate at other UH campuses.

Total Credits: 11 - 14

The Marine Option Program has existed for 50 years as a UH System certificate managed by the UH Manoa MOP office. The university has undergone many changes over the years and in 2011 the Council of Chief Academic Officers (CCAO) determined that each campus should create its own MOP Certificate. The program listed below has been in existence at Leeward CC for over 30 years and will continue to allow articulation with all other MOP certificate programs at other UH campuses.

Semester 1

5 Total Credits:

- Complete all of the following
  - Completed the following:
    - OCN101 - Introduction to Marine Option Program (1)
  - Complete 1 of the following
    - Completed the following:
      - OCN201 - Science of the Sea (3)
      - OCN201L - Science of the Sea Laboratory (1)

- Completed the following:
  - ZOOL200 - Marine Biology (3)
  - ZOOL200L - Marine Biology Lab (1)

Semester 2

6 Total Credits:

- Complete all of the following
  - Completed at least 2 credits from the following types of courses:
    OCN 199
  - Earned at least 4 credits from the following:
    - AQUA254 - Nutrition of Aquatic Organisms (3)
    - AQUA262 - Introduction to Aquaculture (3)
    - AQUA262L - Introduction to Aquaculture Lab (1)
    - BIOL124 - Environment and Ecology (3)
    - BIOL124L - Environment and Ecology Lab (1)
    - BIOL200 - Coral Reefs (3)
    - BIOL200L - Coral Reefs Lab (1)
    - BOT130 - Plants in the Hawaiian Environment (3)
    - BOT130L - Plants in the Hawaiian Environment Lab (1)
    - ERTH103 - Geology of the Hawaiian Islands (3)
    - HIST284 - History of the Hawaiian Islands (3)
    - OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
    - OCN105 - Sustainability in a Changing World (3)
    - OCN201 - Science of the Sea (3)
    - OCN201L - Science of the Sea Laboratory (1)
    - ZOOL200 - Marine Biology (3)
    - ZOOL200L - Marine Biology Lab (1)

Grand Total Credits: 11

Music (ASC-MUSIC)

The Academic Subject Certificate in Music is designed to provide a strong foundation in music theory and performance for students who plan to earn a bachelor's degree in music, who wish to develop and further their interest or talent in music while earning an associate in arts degree, and/or who intend to pursue a professional career in music.

All courses require a grade of "C" or better.

Core Courses (6 Credits Required)

- MUS 107 Music in World Cultures (3)
- MUS 108 Music Fundamentals (3)
- MUS 253 Elementary Music in Action (3)

Performing Ensembles (6 Credits required)

- **MUS 103 Guitar Ensemble 1 (2)**
- **MUS 112 Hawaiian Ensemble 1 (2)**
- **MUS 113 Hawaiian Ensemble 2 (2)**
- **MUS 114 College Chorus (2)**
- **MUS 201 Vocal Ensemble (2)**
- **MUS 203D Keyboard Ensemble (2)**
- **MUS 203G Guitar Ensemble 2 (2)**

Electives (6 Credits Required)

- **MUS 106 Introduction to Music Literature (3)**
- **MUS 121B Voice 1 (2)**
- **MUS 121C Piano 1 (2)**
- **MUS 121D Guitar 1 (2)**
- **MUS 121F Slack Key Guitar 1 (2)**
- **MUS 121Z 'Ukulele 1 (2)**
- **MUS 122B Voice 2 (2)**
- **MUS 122C Piano 2 (2)**
- **MUS 122D Guitar 2 (2)**
- **MUS 122Z 'Ukulele 2 (2)**
- **MUS 140 Introduction to Audio Production (3)**
- **MUS 208 Introduction to Song Writing.**
- **MUS 221B Voice 3 (2)**
- **MUS 221H Guitar 3 (2)**
- **MUS 232B Applied Music: Voice (1)**
- **MUS 232G Applied Music: Classic Guitar (1)**
- **MUS 281 Music Theory I (3)**
- **MUS 282 Music Theory II (3)**
- **MUS 283 Aural Training 1 (1)**
- **MUS 284 Aural Training 2 (1)**

Total Credits: 18

Semester 1

8 Total Credits:

- **Complete all of the following**
  Music Core Courses

- Earned at least 3 credits from the following:
  - MUS107 - Music in World Cultures (3)
  - MUS108 - Music Fundamentals (3)
  - MUS253 - Elementary Music in Action (3)

Music Performing Ensembles

- Earned at least 2 credits from the following:
  - MUS103 - Guitar Ensemble 1 (2)
  - MUS112 - Hawaiian Ensemble 1 (2)
  - MUS113 - Hawaiian Ensemble 2 (2)
  - MUS114 - College Chorus (2)
  - MUS201 - Vocal Ensemble (2)
  - MUS203D - Keyboard Ensemble (2)
  - MUS203G - Guitar Ensemble 2 (2)

Music Electives

- Earned at least 3 credits from the following:
  - MUS106 - Introduction to Music Literature (3)
  - MUS121B - Voice 1 (2)
  - MUS121C - Piano 1 (2)
  - MUS121D - Guitar 1 (2)
  - MUS121F - Slack Key Guitar 1 (2)
  - MUS121Z - 'Ukulele 1 (2)
  - MUS122B - Voice 2 (2)
  - MUS122C - Piano 2 (2)
  - MUS122D - Guitar 2 (2)
  - MUS122Z - 'Ukulele 2 (2)
  - MUS140 - Introduction to Audio Production (3)
  - MUS208 - Introduction to Song Writing (3)
  - MUS221B - Voice 3 (2)
  - MUS221H - Guitar 3 (2)
  - MUS232B - Applied Music: Voice (1)
  - MUS232G - Applied Music: Classical Guitar (1)
  - MUS281 - Music Theory 1 (3)
  - MUS282 - Music Theory 2 (3)
  - MUS283 - Aural Training 1 (1)
  - MUS284 - Aural Training 2 (1)

Semester 2

10 Total Credits:

- Complete all of the following

Music Core Courses

- Earned at least 3 credits from the following:
  - MUS107 - Music in World Cultures (3)
  - MUS108 - Music Fundamentals (3)

- MUS253 - Elementary Music in Action (3)

Music Performing Ensembles

- **Earned at least 4 credits from the following:**
  - MUS103 - Guitar Ensemble 1 (2)
  - MUS112 - Hawaiian Ensemble 1 (2)
  - MUS113 - Hawaiian Ensemble 2 (2)
  - MUS114 - College Chorus (2)
  - MUS201 - Vocal Ensemble (2)
  - MUS203D - Keyboard Ensemble (2)
  - MUS203G - Guitar Ensemble 2 (2)

Music Electives

- **Earned at least 3 credits from the following:**
  - MUS106 - Introduction to Music Literature (3)
  - MUS121B - Voice 1 (2)
  - MUS121C - Piano 1 (2)
  - MUS121D - Guitar 1 (2)
  - MUS121F - Slack Key Guitar 1 (2)
  - MUS121Z - 'Ukulele 1 (2)
  - MUS122B - Voice 2 (2)
  - MUS122C - Piano 2 (2)
  - MUS122D - Guitar 2 (2)
  - MUS122Z - 'Ukulele 2 (2)
  - MUS140 - Introduction to Audio Production (3)
  - MUS208 - Introduction to Song Writing (3)
  - MUS221B - Voice 3 (2)
  - MUS221H - Guitar 3 (2)
  - MUS232B - Applied Music: Voice (1)
  - MUS232G - Applied Music: Classical Guitar (1)
  - MUS281 - Music Theory 1 (3)
  - MUS282 - Music Theory 2 (3)
  - MUS283 - Aural Training 1 (1)
  - MUS284 - Aural Training 2 (1)

Grand Total Credits: 18

Performing Arts (ASC-PART)

The Academic Subject Certificate (ASC) in Performing Arts is intended to provide students with a strong foundation in general performance, including different tracks in music, dance, or theatre. The courses in this certificate program provide students with the basic foundational understanding necessary in each area of the performing arts. This certificate is for students who plan to earn a bachelor's degree in music, dance, or theatre; wish to develop and further their interest or talent in these areas while earning an associate in arts degree; and/or intend to pursue a professional career in the performing arts (19 to 20 credits).

The Academic Subject Certificate (ASC) in Performing Arts is intended to provide students with a strong foundation in general performance including music, dance, or theatre. The courses in this certificate program provide students with the basic foundational understanding necessary in each area of the performing arts.

This certificate is for students who plan to earn a bachelor's degree in music, dance, or theatre; who wish to develop and further their interest or talent in these areas while earning an associate in arts degree; and/or who intend to pursue a professional career in the performing arts.

All required courses must be passed with a grade of "C" or better.

Complete all of the Core courses (9 credits) and complete at least one of the five tracks:

- **Dance (10 credits)**
- **Theatre (10 credits)**
- **Music – Guitar (11 credits)**
- **Music – ʻUkulele (11 credits)**
- **Music – Piano (11 credits)**

ASC in Performing Arts – Theatre or Dance: 19 total credits

ASC in Performing Arts – Music - Guitar, Music - Piano, or Music - ʻUkulele: 20 total credits

Academic Subject Certificate in Performing Arts Core (9 credits)

- **MUS 107 – Music in World Cultures (3 credits)**
- **THEA 101 – Introduction to Drama and Theatre (3 credits)**
- **THEA 240 - Introduction to Stagecraft (3 credits)**

Dance (10 Credits) Selected from below:

- **DNCE 108 – Hatha Yoga: Beginning (3 credits)**
- **DNCE 121 – Beginning Ballet Technique (3 credits)**
- **DNCE 122 – Continuing Ballet Technique (3 credits)**
- **DNCE 131 – Beginning Contemporary Dance Technique (3 credits)**
- **DNCE 132 – Continuing Contemporary Dance Technique (3 credits)**
- **HWST 128 – Introduction to Hula Kahiko(3 credits)**
- **HWST 129 – Introduction to Hula ʻAuana (3 credits)**
- **DNCE 180 – Dance Production (1 credit)**
- **THEA 200B – Beginning Theatre Practicum (1 credit)**

Theatre (10 Credits) Selected from below:

- **THEA 221 – Acting I (3 credits)**
- **THEA 222 – Acting II (3 credits)**
- **THEA 260 – Dramatic Production (3 credits) OR THEA 262 – Local Style Theatre (3 credits)**
- **THEA 220 - Beginning Voice and Movement (3 credits)**
- **THEA 200B – Beginning Theatre Practicum (1 credit)**
- **DNCE 131 – Beginning Contemporary Dance Technique (3 credits)**

Music - Guitar (11 Credits)

- **MUS 108 – Music Fundamentals (3 credits)**
- **MUS 103 – Guitar Ensemble 1 (2 credits) or MUS 112 - Hawaiian Ensemble 1 (2 credits)**
- **MUS 121D – Guitar 1 (2 credits)**
- **MUS 122D – Guitar 2 (2 credits) or MUS 121F – Slack Key Guitar (2 credits)**
- **MUS 203G – Guitar Ensemble 2 (2 credits) or MUS 113 - Hawaiian Ensemble 2 (2 credits)**

Music - ʻUkulele (11 Credits)

- **MUS 108 – Music Fundamentals (3 credits)**
- **MUS 121Z – ʻUkulele 1 (2 credits)**
- **MUS 122Z – ʻUkulele 2 (2 credits)**
- **MUS 112 – Hawaiian Ensemble 1 (2 credits)**
- **MUS 113 – Hawaiian Ensemble 2 (2 credits)**

Music - Piano (11 Credits)

- **MUS 108 – Music Fundamentals (3 credits)**
- ***MUS 203D – Keyboard Ensemble 1 (2 credits)**
- **MUS 121C – Piano 1 (2 credits)**
- **MUS 122C – Piano 2 (2 credits)**
- ***MUS 203D - Keyboard Ensemble 1 (2 credits) or MUS 112 – Hawaiian Ensemble 1 (2 credits)**

*** For Music - Piano track, students may choose to repeat MUS 203D once.**

Semester 1

8 - 9Total Credits

- **Complete all of the following**
  - **Completed the following:**
    - **THEA240 - Introduction to Stagecraft (3)**

    Group
  - **Complete 1 of the following**

    Dance
    - **Earned at least 5 credits from the following:**
      - **DNCE108 - Hatha Yoga: Beginning (3)**
      - **DNCE121 - Beginning Ballet Technique (3)**
      - **DNCE122 - Continuing Ballet Technique (3)**
      - **DNCE131 - Beginning Contemporary Dance Technique (3)**
      - **DNCE132 - Continuing Contemporary Dance Technique (3)**
      - **HWST128 - Introduction to Hula Kahiko (3)**
      - **HWST129 - Introduction to Hula ʻAuana (3)**
      - **DNCE180 - Dance Production (1)**
      - **THEA200B - Beginning Theatre Practicum: Acting (1)**

Theatre

- Completed at least 5 credits from the following types of courses:
  THEA 221, THEA 222, THEA 260 or THEA 262, THEA 220, THEA 200B, DNCE 131

Music - Guitar

- Completed at least 6 credits from the following types of courses:
  MUS 108, MUS 103 or MUS 112, MUS 121D, MUS 122D or MUS 121F, MUS 203G or MUS 113

Music - ʻUkulele

- Earned at least 6 credits from the following:
  - MUS108 - Music Fundamentals (3)
  - MUS121Z - 'Ukulele 1 (2)
  - MUS122Z - 'Ukulele 2 (2)
  - MUS112 - Hawaiian Ensemble 1 (2)
  - MUS113 - Hawaiian Ensemble 2 (2)

Music - Piano

- Completed at least 6 credits from the following types of courses:
  MUS 108, MUS 203D, MUS 121C, MUS 122C, MUS 203D or MUS 112

Semester 2

11 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - MUS107 - Music in World Cultures (3)
    - THEA101 - Introduction to Drama and Theatre (3)
  - Complete 1 of the following

Dance

- Earned at least 5 credits from the following:
  - DNCE108 - Hatha Yoga: Beginning (3)
  - DNCE121 - Beginning Ballet Technique (3)
  - DNCE122 - Continuing Ballet Technique (3)
  - DNCE131 - Beginning Contemporary Dance Technique (3)
  - DNCE132 - Continuing Contemporary Dance Technique (3)
  - HWST128 - Introduction to Hula Kahiko (3)
  - HWST129 - Introduction to Hula ʻAuana (3)
  - DNCE180 - Dance Production (1)
  - THEA200B - Beginning Theatre Practicum: Acting (1)

Theatre

- Completed at least 5 credits from the following types of courses:
  THEA 221, THEA 222, THEA 260 or THEA 262, THEA 220, THEA 200B, DNCE 131

Music - Guitar

- Completed at least 5 credits from the following types of courses:

MUS 108, MUS 103 or MS 112, MUS 121D, MUS 122D or MUS 121F, MUS 203G or MUS 113
Music - ‘Ukulele
- Completed at least 5 credits from the following types of courses:
MUS 108, MUS 121Z, MUS 122Z, MUS 112, MUS 113
Music - Piano
- Completed at least 5 credits from the following types of courses:
MUS 108, MUS 203D, MUS 121C, MUS 122C, MUS 203D or MUS 112

Grand Total Credits: 19 - 20

Sustainability (ASC-LBRT-SUSI)

This certificate is designed to provide an interdisciplinary focus on local and global issues of sustainability, and connect students with an interest in sustainability.

Students will be required to complete a minimum of 16 credits and earn a grade of C or higher for all courses required in this certificate. To earn this certificate six courses must have the S-designation.

Science Courses (4 credits):

- AG 112 (4 credits, DB + DY)
- AG 264 (3 credits, DB + DY)
- BIOL 124 (3 credits, DB)
- BIOL 124L (1 credit, DY)
- BOT 130 (3 credits, DB)
- BOT 130L (1 credit, DY)
- GEOG 101 (3 credits, DP)
- GEOG 101L (1 credit, DY)
- Any other DB/DP/DY course.
- Lecture and Lab do not need to match

Electives (12 credits):

- Any course not previously completed for the Science Courses.

Program Minimum Requirements

16 Total Credits:

- Complete all of the following
  - Complete 1 of the following
    - Earned at least 4 credits from the following:
      - AG112 - Introduction to Organic Agriculture (4)
      - AG264 - Plant Propagation (3)
      - BIOL124 - Environment and Ecology (3)

        - BIOL124L - Environment and Ecology Lab (1)
        - BOT130 - Plants in the Hawaiian Environment (3)
        - BOT130L - Plants in the Hawaiian Environment Lab (1)
        - GEO101 - The Natural Environment (3)
        - GEO101L - The Natural Environment Lab (1)
      - Completed at least 4 credits from the following types of courses: Earned minimum 4 of credits any other DB/DP/DY courses.
    - Completed at least 12 credits from the following types of courses: Earned 12 credits from any course not previously completed for the Science Courses.
    - 6 courses must have the S-designation

Grand Total Credits: 16

Sustainable Agriculture (ASC-AGSU)

This Certificate is designed to prepare students for a career in agriculture through hands-on practice and classroom instruction. It will provide farmers, returning non-traditional students, and youth interested in agriculture with fundamental skills, knowledge, and experiences in sustainable tropical crop production.

Each AG and BOT course must be completed with a grade of "C" or better.

Core Requirements: 16-19 credits

- **AG 100 Orientation to Hawai'i Agriculture Industry (1)**
- **AG 112 Introduction to Organic Agriculture (4)**
- **AG 141 Integrated Pest Management (3)**
- **AG 200 Principles of Horticulture (3)**
- **AG 200L Principles of Horticulture Lab (1)**
- **AG 264 Plant Propagation (3)**
- **AG 293V Sustainable Agriculture Internship (1-4)**

Complete one of the following options: 4 credits

- **BIOL 101 + 101L Biology and Society + Lab (4)**
- **BIOL 171 + BIOL 171L Introduction to Biology I + Lab (4)**
- **BOT 101/101L General Botany + Lab (4)**

Complete one of the following options: 4 credits

- **CHEM 151+151L Elementary Survey of Chemistry + Lab (4)**
- **CHEM 161 + 161L General Chemistry I + Lab (4)**
- **GEO 101 + GEO 101L The Natural Environment + Lab (4)**

Complete one of the following options: 3 credits

- **ICS 101 Digital Tools for the Information World (3)**

- BUS 101 Business Computer Systems (3)

Total credits: 27 - 30

The ASC in Sustainable Agriculture will constitute 27-30 credits of the 60-credit AS degree.

Semester 1

15 Total Credits:

- Complete all of the following
  - Completed the following:
    - AG100 - Orientation to Hawai‘i Agriculture Industry (1)
    - AG141 - Integrated Pest Management (3)
    - AG112 - Introduction to Organic Agriculture (4)
  - Complete 1 of the following
    - Completed the following:
      - CHEM151 - Elementary Survey of Chemistry (3)
      - CHEM151L - Elementary Survey of Chemistry Lab (1)
    - Completed the following:
      - CHEM161 - General Chemistry I (3)
      - CHEM161L - General Chemistry I Lab (1)
    - Completed the following:
      - GEO101 - The Natural Environment (3)
      - GEO101L - The Natural Environment Lab (1)
  - Complete 1 of the following
    - Completed the following:
      - BUS101 - Business Info Systems (3)
    - Completed the following:
      - ICS101 - Digital Tools for the Information World (3)

Semester 2

8 Total Credits:

- Complete all of the following
  - Completed the following:
    - AG200 - Principles of Horticulture (3)
    - AG200L - Principles of Horticulture Lab (1)
  - Complete 1 of the following
    - Completed the following:
      - BIOL101 - Biology and Society (3)
      - BIOL101L - Biology and Society Lab (1)
    - Completed the following:
      - BOT101 - General Botany (3)

        - BOT101L - General Botany Lab (1)
    - Completed the following:
        - BIOL171 - Introduction to Biology I (3)
        - BIOL171L - Introduction to Biology I Lab (1)

Semester 3

4 - 7Total Credits

- Completed the following:
    - AG264 - Plant Propagation (3)
    - AG293V - Sustainable Agriculture Internship (1 - 4)

Grand Total Credits: 27 - 30

Travel Industry Management (ASC-TIM)

The Academic Subject Certificate in Travel Industry Management is designed to provide a strong foundation for students who plan to earn a bachelor's degree in Travel Industry Management. The Certificate also provides work place business knowledge and skills that may aid students in finding entry-level jobs. Students planning to transfer to a bachelor's degree program in Travel Industry Management should obtain the applicable program requirements sheet for the college or university to which they intend to transfer and see a counselor for academic advising.

All Business Division courses in this certificate (ACC, BUS, and HOST) require a grade of "C" or better.

Required courses:
ENG 100 Composition I (3) or equivalent
BUS 250 Applied Mathematics in Business (3) or MATH 241 Calculus I (4) or higher math

SP 151 Personal and Public Speech (3) or SP 251 Principles of Effective Public Speaking (3)
ECON 130 Principles of Microeconomics (3)
HOST 101 Introduction to Hospitality and Tourism (3)
BUS 101 Business Info Systems (3) or ICS 101 Digital Tools for the Information World (3)
ACC 124 Principles of Accounting I (3) and ACC 125 Principles of Accounting II (3), or ACC 201 Introduction to Financial Accounting (3)
ACC 202 Introduction to Managerial Accounting (3)
Total: 24-28 credits

Semester 1

12 Total Credits:

- Complete all of the following
    - Earned a minimum grade of C in each of the following:
        - ENG100 - Composition I (3)

- HOST101 - Introduction to Hospitality and Tourism (3)

- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - BUS101 - Business Info Systems (3)
  - Earned a minimum grade of C in each of the following:
    - ICS101 - Digital Tools for the Information World (3)
- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - ACC124 - Principles of Accounting I (3)
  - Earned a minimum grade of C in each of the following:
    - ACC201 - Introduction to Financial Accounting (3)

Semester 2

12 - 13Total Credits

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - ECON130 - Principles of Microeconomics (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - ACC125 - Principles of Accounting II (3)
    - Earned a minimum grade of C in each of the following:
      - ACC202 - Introduction to Managerial Accounting (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - SP151 - Personal and Public Speech (3)
    - Earned a minimum grade of C in each of the following:
      - SP251 - Principles of Effective Public Speaking (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - BUS250 - Applied Mathematics in Business (3)
    - Earned a minimum grade of C in each of the following:
      - MATH241 - Calculus I (4.0)

Semester 3

3 Total Credits:

- Earned a minimum grade of C in each of the following:
    - ACC202 - Introduction to Managerial Accounting (3)

Grand Total Credits: 27 - 28

Writing (ASC-WRT)

The Academic Subject Certificate in Writing provides a structured course of study for students interested in further developing their facilities with written language, critical thinking, and creativity. This Certificate will greatly enhance students' educational and career opportunities. As research has clearly demonstrated, writing offers an unparalleled opportunity for intellectual and creative development. Students who are extensively trained in writing have enhanced skills that will promote their educational and career success. At the same time, writing is also one of the best vehicles there is for intellectual and creative growth and development.

ENG 100 must be passed with a grade of "C" or better.

The following are required and elective courses for the Academic Subject Certificate in Writing:

Core Requirements: 6 credits

- **ENG 100 Composition I (3)**
- **ENG 200 Composition II (3)**

Electives: 12 credits

- **ENG 204 Introduction to Creative Writing (3)**
- **ENG 207 Fiction Workshop (3)**
- **ENG 208 Poetry Workshop (3)**
- **ENG 209 Business Writing (3)**
- **ENG 211 Autobiographical Writing (3)**
- **ENG 225 Technical Writing (3)**
- **Any DL-approved course (3)**

Total Credits: 18

Semester 1

3 Total Credits:

- Earned a minimum grade of C in each of the following:
    - ENG100 - Composition I (3)

Semester 2

15 Total Credits:

- **Complete all of the following**
  - **Completed the following:**
    - **ENG200 - Composition II (3)**
  - **Complete 4 of the following**
    - **Completed the following:**
      - **ENG204 - Introduction to Creative Writing (3)**
    - **Completed the following:**
      - **ENG207 - Fiction Workshop (3)**
    - **Completed the following:**
      - **ENG208 - Poetry Workshop (3)**
    - **Completed the following:**
      - **ENG209 - Business Writing (3)**
    - **Completed the following:**
      - **ENG211 - Autobiographical Writing (3)**
    - **Completed the following:**
      - **ENG225 - Technical Writing (3)**
    - **Completed at least 3 credits from the following types of courses: Any DL course**

Grand Total Credits: 18

Advanced Professional Certificate (APC)

Advanced Professional Certificate in Special Education (APC-SPED)

The Advanced Professional Certificate in SPED is a 19 cr. certificate for those with a bachelor-level degree in any field which leads to recommendation for licensure to teach SPED.

Admission requirements for the APC in SPED include: bachelor-level degree in any field, 2 letters of recommendation, a personal statement, and contact Christina Keaulana (ctk8@hawaii.edu) for application. To earn an Advanced Professional Certificate, candidates must achieve a GPA of 2.0 or higher and earn at least a C grade for all courses applicable to the certificate.

Year 1

Fall (6cr)

ED 330: SPED Law and IEP Development (3 cr)

ED 331: SPED Assessment (3 cr)

Spring (9cr)

ED 332: ELA Interventions (3 cr)

ED 334: ED Tech for Students with Exceptionalities (3 cr)

ED 335: Participating in a Professional Community (3 cr)

***ED 330, 331, 332, 334, 335 each requires 22 hours of field experience in a SPED placement in the grade level of licensure they intend to pursue (PK-3, K-6, 6-12)**

Year 2

Fall: (4 cr)

ED 393S: Practicum II (1 cr) Full-time student teaching-15 weeks; Clinical Practice: 420 hours

ED 336: Student Teaching Portfolio (3 cr)

Total 19 cr.

Semester 1

6 Total Credits:

- **Completed the following:**
  - **ED330 - SPED Law and IEP Development (3)**

- ED331 - Special Education Assessment (3)

Semester 2

9 Total Credits:

- Completed the following:
  - ED332 - English Language Arts Instruction and Interventions (3)
  - ED334 - Participating in a Professional Community (3)
  - ED335 - Educational Technology for the Inclusive Classroom (3)

Semester 3

4 Total Credits:

- Completed the following:
  - ED393S - Practicum II (1)
  - ED336 - Student Teaching Portfolio (3)

Grand Total Credits: 19

Associate in Applied Science (AAS)

Automotive Technology (AAS-AMT2)

The Associate in Applied Science Degree is awarded to students who successfully complete both the required AMT and general education courses with a grade of C or better. The AAS degree enables students to enter the workforce. Graduates are able to seek employment in multiple areas in the automotive industry or related technical fields.

The AMT Associate in Applied Science Degree consists of:

Required Courses:

AMT 100 Introduction to Automotive Technology (2 cr)

AMT 141 Electrical/Electronic Systems I (5 cr)

AMT 152 Brake Systems (4 cr)

AMT 162 Advanced Brake Systems (1 cr)

AMT 129 Engine Repair (7 cr)

AMT 154 Automotive Suspension and Steering Systems (4 cr)

AMT 164 Adv. Automotive Suspension and Steering Sys. (1 cr)

AMT 145 Manual Drive Trains and Axles (4 cr)

AMT 149 Automatic Transmissions and Transaxles (4 cr)

AMT 241 Electrical/Electronic Systems II (4 cr)

AMT 144 Heating and Air Conditioning (4 cr)

AMT 245 Engine Performance (8 cr)

Total: 48 credits

Elective Courses:

QM 107C Quantitative Methods in Auto Tech (3 cr) or MATH 100 Survey of Math or equivalent or higher (3 cr)

ENG 100 Composition I or equivalent or higher (3 cr)

Social Science, 100 level or above (3 cr)

Natural Science, 100 level or above (3-4 cr)

Arts/Humanities, 100 level or above (3 cr)

Total: 15 -16 credits

Total program credits: 63-64

All AMT courses must be completed with a C or better grade.

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **AMT100 - Introduction to Automotive Technology (2)**
    - **AMT141 - Electrical/Electronic Systems I (5)**
    - **AMT152 - Brake Systems (4)**
    - **AMT162 - Advanced Brake Systems (1)**
  - **Completed at least 1 of the following:**
    - **QM107C - Quant Methods in AMT (3)**
    - **MATH100 - Survey of Mathematics (3)**

Semester 2

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **AMT129 - Engine Repair (7)**
    - **AMT154 - Suspension and Steering Systems (4)**
    - **AMT164 - Advanced Suspension and Steering Systems (1)**
  - **Completed the following:**
    - **ENG100 - Composition I (3)**

Semester 3

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **AMT145 - Manual Drive Trains and Axles (4)**
    - **AMT149 - Automatic Transmissions and Transaxles (4)**
    - **AMT241 - Electrical/Electronic Systems II (4)**
  - **Completed at least 3 credits from the following types of courses: Natural Science: 100 level or above**

Semester 4

18 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **AMT144 - Heating and Air Conditioning (4)**
    - **AMT245 - Engine Performance Systems (8)**
  - **Completed at least 3 credits from the following types of courses: Social Science: 100 level or above**
  - **Completed at least 3 credits from the following types of courses: Arts or Humanities: 100 level or above**

Grand Total Credits: 63

Associate in Arts (AA)

Hawaiian Studies (AA-HWST)

This degree provides a focused pathway for students pursuing an AA degree and transferring to a Hawaiian Studies or other baccalaureate degree program within the UH System. The AAHS also provides students with beneficial qualifications for Hawai'i's workforce, where knowledge of the host culture or alternative approaches to problem-solving are desirable. The degree integrates Hawaiian knowledge and values into the curriculum, and thus nurtures a sense of place; defines personal, community and global responsibilities; and builds connections between all who call Hawai'i home.

Degree Requirements for the Associate in Arts (AA) in Hawaiian Studies:

Minimum Cumulative GPA: 2.0 or better for all courses used to meet degree requirements.

Hawaiian Studies Core Requirements: 15 credits

- **HAW 101 Beginning Hawaiian (4)**
- **HAW 102 Beginning Hawaiian II (4)**
- **HWST 107 Hawai'i: In the Center of the Pacific (3)**
- **HWST 270 Hawaiian Mythology (3)**
- **HWST 292 Kūkulu Mana'o: Hawaiian Studies Capstone Project (1)**

General Education Requirements: 31 credits

- **Foundations: 12 credits**
  - **Written Communication (FW): 3 credits**
  - **Quantitative Reasoning (FQ): 3 credits**
  - **Global Multicultural Perspectives (FG): 6 credits (must be from two different groups: A, B, or C)**

- **Diversification: Arts, Humanities, and Literature: 6 credits required from two separate categories**
  - **Diversification: Arts (DA)**
    - **DMED 150 Film Analysis & Storytelling (3)**
    - **HWST 128 Introduction to Hula Kahiko (3)**
    - **MUS 112 Hawaiian Ensemble 1 (2)**
    - **MUS 113 Hawaiian Ensemble 2 (2)**
    - **MUS 121F Slack Key Guitar 1 (2)**
    - **MUS 121Z 'Ukulele 1 (2)**
    - **MUS 122Z 'Ukulele 2 (2)**
  - **Diversification: Humanities (DH)**
    - **HIST 284 History of the Hawaiian Islands (3)**
    - **HIST 288 Oceania Survey (3)**

        - **HWST 245 Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)**
        - **HWST 285 Lāʻau Lapaʻau: Hawaiian Medicinal Herbs (4)**
        - **REL 205 Understanding Hawaiian Religion (3)**
    - **Diversification: Literature (DL)**
        - **HWST 276 Introduction to Hawaiian Literature in English (3)**

- **Diversification: Social Sciences (DS): 6 credits required from two different disciplines**
    - **ANTH 200 Cultural Anthropology (3)**
    - **ECON 131 Principles of Macroeconomics (3)**
    - **PACS 108 Pacific Worlds: Introduction to Pacific Islands Studies (3)**
    - **POLS 140 Introduction to Indigenous Politics (3)**
    - **POLS 180 Introduction to Politics in Hawai'i (3)**
    - **SOC 151 Introduction to Sociology of Food (3)**
    - **SOC 218 Introduction to Social Problems (3)**
    - **SOC 250 Community Forces in Hawai`i (3)**
    - **SOC 251 Introduction to Sociology of the Family (3)**

- **Diversification: Natural Sciences: 7 credits total - 3 credits from Biological Sciences (DB), 3 credits from Physical Sciences (DP), and 1 credit from a corresponding Science Laboratory (DY)**
    - **Diversification: Biological Sciences (DB)**
        - **AG 110 Hawaiʻi Horticulture and Nutrition (3)**
        - **BIOL 124 Environment and Ecology (3)**
        - **BOT 130 Plants in the Hawaiian Environment (3)**
        - **ZOOL 200 Marine Biology (3)**

    - **Diversification: Physical Sciences (DP)**
        - **ASTR 110 Survey of Astronomy (3)**
        - **ERTH 103 Geology of the Hawaiian Islands (3)**
        - **HWST 281 Hoʻokele I: Hawaiian Astronomy and Weather (3)**
        - **OCN 201 Science of the Sea (3)**

    - **Diversification: Science Laboratory (DY)**
        - **AG 110L Hawaiʻi Horticulture and Nutrition Lab (1)**
        - **BIOL 124L Environment and Ecology Lab (1)**
        - **BOT 130L Plants in the Hawaiian Environment Lab (1)**
        - **ZOOL 200L Marine Biology Lab (1)**
        - **ASTR 110L Survey of Astronomy Lab (1)**
        - **ERTH 101L Introduction to Geology Lab (1)**
        - **HWST 281L Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)**
        - **OCN 201L Science of the Sea Lab (1)**

Oral Communication (OC): 3 credits

Hawaiian-Focused Electives: minimum 11 credits

Elective credits may not be used to fulfill Diversification, Foundation, or Hawaiian Studies Core Requirements. Elective courses may come from a single topic or a combination of topics.

- **ʻĀINA (Environmental Science)**
  - **AG 110 Hawaiian Horticulture and Nutrition (3)**
  - **AG 110L Hawaiian Horticulture and Nutrition Lab (1)**
  - **ASTR 110 Survey of Astronomy (3)**
  - **BIOL 124 Environment and Ecology (3)**
  - **BIOL 124L Environment and Ecology Lab (1)**
  - **BOT 130 Plants in the Hawaiian Environment (3)**
  - **BOT 130L Plants in the Hawaiian Environment Lab (1)**
  - **ERTH 103 Geology of the Hawaiian Islands (3)**
  - **HWST 105 Mea Kanu Hawaiʻi: Hawaiian Ethnobotany (3)**
  - **HWST 105L Mea Kanu Hawaiʻi: Hawaiian Ethnobotany Lab (1)**
  - **HWST 110 Huakaʻi Waʻa: Introduction to Hawaiian Voyaging (3)**
  - **HWST 207 Hawaiian Perspectives in Ahupua'a Resource Management (3)**
  - **HWST 281 Hoʻokele I: Hawaiian Astronomy and Weather (3)**
  - **HWST 281L Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)**
  - **HWST 282 Hoʻokele II: Hawaiian Voyaging and Seamanship (3)**
  - **HWST 282L Hoʻokele II: Hawaiian Voyaging and Seamanship Lab (1)**
  - **HWST 285 Lāʻau Lapaʻau: Hawaiian Medicinal Herbs (4)**
  - **OCN 201 Science of the Sea (3)**
  - **OCN 201L Science of the Sea Laboratory (1)**
  - **ZOOL 200 Marine Biology (3)**
  - **ZOOL 200L Marine Biology Lab (1)**

- **HANA NOʻEAU (Arts)**
  - **HWST 128 Introduction to Hula Kahiko (3)**
  - **HWST 129 Introduction to Hula ʻAuana (3)**
  - **HWST 276 Introduction to Hawaiian Literature in English (3)**
  - **MUS 112 Hawaiian Ensemble 1 (2)**
  - **MUS 113 Hawaiian Ensemble 2 (2)**
  - **MUS 121F Slack Key Guitar 1 (2)**
  - **MUS 121Z 'Ukulele 1 (2)**
  - **MUS 122Z 'Ukulele 2 (2)**

- **HOʻOULU LĀHUI (Nation Building)**
  - **ANTH 200 Cultural Anthropology (3)**
  - **ECON 131 Principles of Macroeconomics (3)**
  - **HIST 284 History of the Hawaiian Islands (3)**
  - **HWST 245 Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)**
  - **HWST 276 Introduction to Hawaiian Literature in English (3)**
  - **HWST 291 Contemporary Hawaiian Issues (3)**
  - **PACS 108 Pacific Worlds: Introduction to Pacific Islands Studies (3)**

- POLS 140 Introduction to Indigenous Politics (3)
- POLS 180 Introduction to Politics in Hawai'i (3)
- SOC 151 Introduction to Sociology of Food (3)
- SOC 218 Introduction to Social Problems (3)
- SOC 250 Community Forces in Hawai`i (3)
- SOC 251 Introduction to Sociology of the Family (3)

- MOʻOLELO (History/Literature)
  - DMED 150 Film Analysis & Storytelling (3)
  - HIST 284 History of the Hawaiian Islands (3)
  - HIST 288 Oceania Survey (3)
  - HWST 276 Introduction to Hawaiian Literature in English (3)
  - PACS 108 Pacific Worlds: Introduction to Pacific Islands Studies (3)
  - REL 205 Understanding Hawaiian Religion (3)

- ʻŌLELO (Language and Literature)
  - HAW 201 Intermediate Hawaiian I (4)
  - HAW 202 Intermediate Hawaiian II (4)
  - HWST 128 Introduction to Hula Kahiko (3)
  - HWST 129 Introduction to Hula ʻAuana (3)

Graduation/Focus Requirements:

Graduation requirements may be double dipped from the Diversification or Electives categories.

- Contemporary Ethical Issues (ETH): 1 course
- Hawaiian, Asian, & Pacific Issues (HAP): 1 course
- Writing Intensive (WI): 2 courses

Total Credits: minimum 60

Additional Notes:

- Prerequisites must be met before enrolling in courses that satisfy any requirement.
- A maximum of 48 transfer credits earned at other colleges may be applied toward the degree
- The AA-HWST shares a common set of required core courses in Hawaiian Studies and language totaling 15 credits. The required courses satisfy the prerequisite requirements for the Bachelor of Arts in Hawaiian Studies at UH Mānoa.

Semester 1

16 Total Credits:

- Complete all of the following
  - Complete all of the following
    - Completed the following:
      - ENG100 - Composition I (3)

        - or equivalent
    - Completed the following:
        - HWST107 - Hawai'i: Center of the Pacific (3)
        - HAW101 - Elementary Hawaiian I (4)
    - Completed at least 3 credits from the following types of courses: Quantitative Reasoning (FQ)
    - Earned at least 3 credits from the following course sets: AA-HWST-DS
        - ANTH200 - Cultural Anthropology (3)
        - ECON131 - Principles of Macroeconomics (3)
        - PACS108 - Pacific Worlds: Introduction to Pacific Islands Studies (3)
        - POLS140 - Introduction to Indigenous Politics (3)
        - POLS180 - Introduction to Politics in Hawai'i (3)
        - SOC151 - Introduction to Sociology of Food (3)
        - SOC218 - Introduction to Social Problems (3)
        - SOC250 - Community Forces in Hawai`i (3)
        - SOC251 - Introduction to Sociology of the Family (3)

Semester 2

16 Total Credits:

- Complete all of the following
    - Completed the following:
        - HAW102 - Elementary Hawaiian II (4)
    - Completed at least 3 credits from the following types of courses: Global Multicultural Perspectives (FG)
    - Earned at least 3 credits from the following course sets: AA-HWST-DS
        - ANTH200 - Cultural Anthropology (3)
        - ECON131 - Principles of Macroeconomics (3)
        - PACS108 - Pacific Worlds: Introduction to Pacific Islands Studies (3)
        - POLS140 - Introduction to Indigenous Politics (3)
        - POLS180 - Introduction to Politics in Hawai'i (3)
        - SOC151 - Introduction to Sociology of Food (3)
        - SOC218 - Introduction to Social Problems (3)
        - SOC250 - Community Forces in Hawai`i (3)
        - SOC251 - Introduction to Sociology of the Family (3)
    - Earned at least 6 credits from the following course sets: AA-HWST-ʻĀINA
        - AG110 - Hawaiʻi Horticulture and Nutrition (3)
        - AG110L - Hawaiʻi Horticulture and Nutrition Lab (1)
        - ASTR110 - Survey of Astronomy (3)
        - BIOL124 - Environment and Ecology (3)
        - BIOL124L - Environment and Ecology Lab (1)
        - BOT130 - Plants in the Hawaiian Environment (3)

- BOT130L - Plants in the Hawaiian Environment Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- HWST105 - Mea Kanu Hawai‘i: Hawaiian Ethnobotany (3)
- HWST105L - Mea Kanu Hawai‘i: Hawaiian Ethnobotany Laboratory (1)
- HWST110 - Huaka‘i Wa‘a: Introduction to Hawaiian Voyaging (3)
- HWST207 - Hawaiian Perspectives in Ahupua'a Resource Management (3)
- HWST281 - Ho‘okele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Ho‘okele I: Hawaiian Astronomy and Weather Lab (1)
- HWST282 - Ho‘okele II: Hawaiian Voyaging and Seamanship (3)
- HWST282L - Ho‘okele II: Hawaiian Voyaging and Seamanship Lab (1)
- HWST285 - Lā‘au Lapa‘au: Hawaiian Medicinal Herbs (4)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

AA-HWST-HANA NO‘EAU

- HWST128 - Introduction to Hula Kahiko (3)
- HWST129 - Introduction to Hula ‘Auana (3)
- HWST276 - Introduction to Hawaiian Literature in English (3)
- MUS112 - Hawaiian Ensemble 1 (2)
- MUS113 - Hawaiian Ensemble 2 (2)
- MUS121F - Slack Key Guitar 1 (2)
- MUS121Z - 'Ukulele 1 (2)
- MUS122Z - 'Ukulele 2 (2)

AA-HWST-HO‘OULU LĀHUI

- ANTH200 - Cultural Anthropology (3)
- ECON131 - Principles of Macroeconomics (3)
- HIST284 - History of the Hawaiian Islands (3)
- HWST245 - Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)
- HWST276 - Introduction to Hawaiian Literature in English (3)
- HWST291 - Contemporary Hawaiian Issues (3)
- PACS108 - Pacific Worlds: Introduction to Pacific Islands Studies (3)
- POLS140 - Introduction to Indigenous Politics (3)
- POLS180 - Introduction to Politics in Hawai'i (3)
- SOC151 - Introduction to Sociology of Food (3)
- SOC218 - Introduction to Social Problems (3)
- SOC250 - Community Forces in Hawai`i (3)
- SOC251 - Introduction to Sociology of the Family (3)

Semester 3

15 Total Credits:

- **Complete all of the following**
  - **Completed the following:**
    - **HWST270 - Hawaiian Mythology (3)**
  - **Completed at least 3 credits from the following types of courses: Global Multicultural Perspectives (FG)**
  - **Earned at least 3 credits from the following course sets: AA-HWST-DB**
    - **AG110 - Hawai‘i Horticulture and Nutrition (3)**
    - **BIOL124 - Environment and Ecology (3)**
    - **BOT130 - Plants in the Hawaiian Environment (3)**
    - **ZOOL200 - Marine Biology (3)**

    AA-HWST-DP
    - **ASTR110 - Survey of Astronomy (3)**
    - **ERTH103 - Geology of the Hawaiian Islands (3)**
    - **HWST281 - Ho‘okele I: Hawaiian Astronomy and Weather (3)**
    - **OCN201 - Science of the Sea (3)**
  - **Earned at least 3 credits from the following course sets: AA-HWST-DA**
    - **DMED150 - Film Analysis & Storytelling (3)**
    - **HWST128 - Introduction to Hula Kahiko (3)**
    - **MUS112 - Hawaiian Ensemble 1 (2)**
    - **MUS113 - Hawaiian Ensemble 2 (2)**
    - **MUS121F - Slack Key Guitar 1 (2)**
    - **MUS121Z - 'Ukulele 1 (2)**
    - **MUS122Z - 'Ukulele 2 (2)**

    AA-HWST-DH
    - **HIST284 - History of the Hawaiian Islands (3)**
    - **HIST288 - Oceania Survey (3)**
    - **HWST245 - Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)**
    - **HWST285 - Lā‘au Lapa‘au: Hawaiian Medicinal Herbs (4)**
    - **REL205 - Understanding Hawaiian Religion (3)**

    AA-HWST-DL
    - **HWST276 - Introduction to Hawaiian Literature in English (3)**
  - **Earned at least 3 credits from the following course sets: AA-HWST-‘ĀINA**
    - **AG110 - Hawai‘i Horticulture and Nutrition (3)**
    - **AG110L - Hawai‘i Horticulture and Nutrition Lab (1)**
    - **ASTR110 - Survey of Astronomy (3)**
    - **BIOL124 - Environment and Ecology (3)**
    - **BIOL124L - Environment and Ecology Lab (1)**
    - **BOT130 - Plants in the Hawaiian Environment (3)**
    - **BOT130L - Plants in the Hawaiian Environment Lab (1)**
    - **ERTH103 - Geology of the Hawaiian Islands (3)**

- HWST105 - Mea Kanu Hawai‘i: Hawaiian Ethnobotany (3)
- HWST105L - Mea Kanu Hawai‘i: Hawaiian Ethnobotany Laboratory (1)
- HWST110 - Huaka‘i Wa‘a: Introduction to Hawaiian Voyaging (3)
- HWST207 - Hawaiian Perspectives in Ahupua'a Resource Management (3)
- HWST281 - Ho‘okele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Ho‘okele I: Hawaiian Astronomy and Weather Lab (1)
- HWST282 - Ho‘okele II: Hawaiian Voyaging and Seamanship (3)
- HWST282L - Ho‘okele II: Hawaiian Voyaging and Seamanship Lab (1)
- HWST285 - Lā‘au Lapa‘au: Hawaiian Medicinal Herbs (4)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

AA-HWST-HANA NO‘EAU

- HWST128 - Introduction to Hula Kahiko (3)
- HWST129 - Introduction to Hula ‘Auana (3)
- HWST276 - Introduction to Hawaiian Literature in English (3)
- MUS112 - Hawaiian Ensemble 1 (2)
- MUS113 - Hawaiian Ensemble 2 (2)
- MUS121F - Slack Key Guitar 1 (2)
- MUS121Z - 'Ukulele 1 (2)
- MUS122Z - 'Ukulele 2 (2)

AA-HWST-HO‘OULU LĀHUI

- ANTH200 - Cultural Anthropology (3)
- ECON131 - Principles of Macroeconomics (3)
- HIST284 - History of the Hawaiian Islands (3)
- HWST245 - Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)
- HWST276 - Introduction to Hawaiian Literature in English (3)
- HWST291 - Contemporary Hawaiian Issues (3)
- PACS108 - Pacific Worlds: Introduction to Pacific Islands Studies (3)
- POLS140 - Introduction to Indigenous Politics (3)
- POLS180 - Introduction to Politics in Hawai'i (3)
- SOC151 - Introduction to Sociology of Food (3)
- SOC218 - Introduction to Social Problems (3)
- SOC250 - Community Forces in Hawai`i (3)
- SOC251 - Introduction to Sociology of the Family (3)

AA-HWST-MO‘OLELO

- DMED150 - Film Analysis & Storytelling (3)
- HIST284 - History of the Hawaiian Islands (3)
- HIST288 - Oceania Survey (3)
- HWST276 - Introduction to Hawaiian Literature in English (3)
- PACS108 - Pacific Worlds: Introduction to Pacific Islands Studies (3)
- REL205 - Understanding Hawaiian Religion (3)

AA-HWST-ʻŌLELO

- HAW201 - Intermediate Hawaiian I (4)
- HAW202 - Intermediate Hawaiian II (4)
- HWST128 - Introduction to Hula Kahiko (3)
- HWST129 - Introduction to Hula ʻAuana (3)

Semester 4

13 Total Credits:

- Complete all of the following
  - Completed the following:
    - HWST292 - Kūkulu Manaʻo: Hawaiian Studies Capstone Project (1)
  - Earned at least 2 credits from the following course sets:

AA-HWST-ʻĀINA

- AG110 - Hawaiʻi Horticulture and Nutrition (3)
- AG110L - Hawaiʻi Horticulture and Nutrition Lab (1)
- ASTR110 - Survey of Astronomy (3)
- BIOL124 - Environment and Ecology (3)
- BIOL124L - Environment and Ecology Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- HWST105 - Mea Kanu Hawaiʻi: Hawaiian Ethnobotany (3)
- HWST105L - Mea Kanu Hawaiʻi: Hawaiian Ethnobotany Laboratory (1)
- HWST110 - Huakaʻi Waʻa: Introduction to Hawaiian Voyaging (3)
- HWST207 - Hawaiian Perspectives in Ahupua'a Resource Management (3)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- HWST282 - Hoʻokele II: Hawaiian Voyaging and Seamanship (3)
- HWST282L - Hoʻokele II: Hawaiian Voyaging and Seamanship Lab (1)
- HWST285 - Lāʻau Lapaʻau: Hawaiian Medicinal Herbs (4)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

AA-HWST-HANA NOʻEAU

- HWST128 - Introduction to Hula Kahiko (3)
- HWST129 - Introduction to Hula ʻAuana (3)
- HWST276 - Introduction to Hawaiian Literature in English (3)
- MUS112 - Hawaiian Ensemble 1 (2)
- MUS113 - Hawaiian Ensemble 2 (2)
- MUS121F - Slack Key Guitar 1 (2)
- MUS121Z - 'Ukulele 1 (2)
- MUS122Z - 'Ukulele 2 (2)

AA-HWST-HOʻOULU LĀHUI

- ANTH200 - Cultural Anthropology (3)
- ECON131 - Principles of Macroeconomics (3)
- HIST284 - History of the Hawaiian Islands (3)
- HWST245 - Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)
- HWST276 - Introduction to Hawaiian Literature in English (3)
- HWST291 - Contemporary Hawaiian Issues (3)
- PACS108 - Pacific Worlds: Introduction to Pacific Islands Studies (3)
- POLS140 - Introduction to Indigenous Politics (3)
- POLS180 - Introduction to Politics in Hawai'i (3)
- SOC151 - Introduction to Sociology of Food (3)
- SOC218 - Introduction to Social Problems (3)
- SOC250 - Community Forces in Hawai`i (3)
- SOC251 - Introduction to Sociology of the Family (3)

AA-HWST-MOʻOLELO

- DMED150 - Film Analysis & Storytelling (3)
- HIST284 - History of the Hawaiian Islands (3)
- HIST288 - Oceania Survey (3)
- HWST276 - Introduction to Hawaiian Literature in English (3)
- PACS108 - Pacific Worlds: Introduction to Pacific Islands Studies (3)
- REL205 - Understanding Hawaiian Religion (3)

AA-HWST-ʻŌLELO

- HAW201 - Intermediate Hawaiian I (4)
- HAW202 - Intermediate Hawaiian II (4)
- HWST128 - Introduction to Hula Kahiko (3)
- HWST129 - Introduction to Hula ʻAuana (3)

- Earned at least 3 credits from the following course sets:

AA-HWST-DA

- DMED150 - Film Analysis & Storytelling (3)
- HWST128 - Introduction to Hula Kahiko (3)
- MUS112 - Hawaiian Ensemble 1 (2)
- MUS113 - Hawaiian Ensemble 2 (2)
- MUS121F - Slack Key Guitar 1 (2)
- MUS121Z - 'Ukulele 1 (2)
- MUS122Z - 'Ukulele 2 (2)

AA-HWST-DH

- HIST284 - History of the Hawaiian Islands (3)
- HIST288 - Oceania Survey (3)
- HWST245 - Living with Kuleana: An Introduction to Hawaiian Systems of Governance (3)
- HWST285 - Lāʻau Lapaʻau: Hawaiian Medicinal Herbs (4)
- REL205 - Understanding Hawaiian Religion (3)

AA-HWST-DL

- HWST276 - Introduction to Hawaiian Literature in English (3)

- Earned at least 3 credits from the following course sets:
  AA-HWST-DB
    - AG110 - Hawai‘i Horticulture and Nutrition (3)
    - BIOL124 - Environment and Ecology (3)
    - BOT130 - Plants in the Hawaiian Environment (3)
    - ZOOL200 - Marine Biology (3)

  AA-HWST-DP
    - ASTR110 - Survey of Astronomy (3)
    - ERTH103 - Geology of the Hawaiian Islands (3)
    - HWST281 - Ho‘okele I: Hawaiian Astronomy and Weather (3)
    - OCN201 - Science of the Sea (3)
- Earned at least 1 credits from the following course sets:
  AA-HWST-DY
    - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
    - BIOL124L - Environment and Ecology Lab (1)
    - BOT130L - Plants in the Hawaiian Environment Lab (1)
    - ZOOL200L - Marine Biology Lab (1)
    - ASTR110L - Survey of Astronomy Laboratory (1)
    - ERTH101L - Introduction to Geology Lab (1)
    - HWST281L - Ho‘okele I: Hawaiian Astronomy and Weather Lab (1)
    - OCN201L - Science of the Sea Laboratory (1)
- Completed at least 3 credits from the following types of courses:
  Oral Communication (OC)

Graduation Requirements

0 Total Credits:

- Complete all of the following
  - Completed at least 2 courses of the following types:
    WI
  - Completed at least 1 courses of the following types:
    HA
  - Completed at least 1 courses of the following types:
    ETH

Grand Total Credits: 60

Liberal Arts (AA-LBRT)

This two-year liberal arts degree, consisting of at least 60 semester credits entirely at the baccalaureate level (100 level and above), provides students with skills and competencies essential for successful completion of a baccalaureate degree.

Degree Requirements for the Associate in Arts (AA) in Liberal Arts:

Minimum Cumulative GPA: 2.0 or better for all courses used to meet degree requirements. Transfer coursework does not count toward the GPA.

General Education Core Requirements: 31 credits

- **Foundations: 12 credits**
  - **Written Communication (FW): 3 credits**
  - **Quantitative Reasoning (FQ) or Symbolic Reasoning (FS)*: 3 credits**
  - **Global Multicultural Perspectives (FG): 6 credits (must be from two different groups: A, B, or C)**
- **Diversification: 19 credits**
  - **Arts, Humanities, and Literatures (DA, DH, DL): 6 credits (from two different subcategories and disciplines)**
  - **Social Sciences (DS): 6 credits (from two different disciplines)**
  - **Natural Sciences (DB, DP, DY): 7 credits (must include one biological science course (DB), one physical science course (DP), and one lab course (DY); one course must include a matching lab)**

***Students admitted prior to Fall 2018 and with no break in enrollment within the UH system may select FS or FQ. Students entering Fall 2018 and thereafter must take FQ.**

Electives: 29 credits

Students may select courses numbered 100 or above to fulfill the elective credit requirement.

Graduation/Focus Requirements:

- **Contemporary Ethical Issues (ETH): 1 course**
- **Hawaiian, Asian, & Pacific Issues (HAP): 1 course**
- **Writing Intensive (WI): 2 courses**
- **Oral Communication (OC): 1 course**

Total Credits: 60 credits, all in courses numbered 100 or above. Up to 48 transfer credits may be applied. At least 12 credits must be earned at Leeward CC in courses numbered 100 or above.

Additional Notes:

- **Prerequisites must be met before enrolling in courses that satisfy any requirement.**
- **Courses taken to fulfill Foundation requirements cannot also satisfy Diversification or Focus requirements.**
- **Some courses may fulfill both Diversification and Focus requirements. See a counselor for details on "double-dipping."**

Semester 1

15 Total Credits:

- **Complete all of the following**

- Complete 1 of the following
  - Completed the following:
    - ENG100 - Composition I (3)
  - Completed at least 3 credits from the following types of courses: Written Communication (FW)
- Completed at least 6 credits from the following types of courses: Electives
- Completed at least 3 credits from the following types of courses: Quantitative Reasoning (FQ)
- Completed at least 3 credits from the following types of courses: Global Multicultural Perspectives (FG)

Semester 2

15 Total Credits:

- Complete all of the following
  - Completed at least 3 credits from the following types of courses: Global Multicultural Perspectives (FG)
  - Completed at least 3 credits from the following types of courses: Natural Sciences (DB, DP, DY)
  - Completed at least 3 credits from the following types of courses: Arts, Humanities, and Literatures (DA, DH, DL)
  - Completed at least 6 credits from the following types of courses: Electives

Semester 3

15 Total Credits:

- Complete all of the following
  - Completed at least 4 credits from the following types of courses: Natural Sciences (DB, DP, DY)
  - Completed at least 3 credits from the following types of courses: Social Sciences (DS)
  - Completed at least 3 credits from the following types of courses: Arts, Humanities, and Literatures (DA, DH, DL)
  - Completed at least 5 credits from the following types of courses: Electives

Semester 4

15 Total Credits:

- Complete all of the following
  - Completed at least 3 credits from the following types of courses: Social Sciences (DS)
  - Completed at least 12 credits from the following types of courses:

Electives

Grand Total Credits: 60

Associate in Science (AS)

Accounting (AS-ACCT)

This degree is designed to prepare students for immediate and future employment and career advancement. This degree will prepare graduates for entry level accounting positions in accounts receivable, accounts payable, payroll, inventory, bookkeeping, and other related business fields. A secondary objective of this degree is to prepare students for transfer to a four-year accounting program.

In order to earn the AS-ACCT degree, students must pass all required accounting (ACC) courses with a grade of "C" or better.

Core Requirements: 36-39 credits

- **ACC 124* Principles of Accounting I (3) + ACC 125* Principles of Accounting II (3) + ACC 202* Intro to Managerial Accounting (3) OR ACC 201* Intro to Financial Accounting (3) + ACC 202* Intro to Managerial Accounting (3)**
- **BUS 101 Business Info Systems (3) or ICS 101 Digital Tools for the Information World (3)**
- **ACC 252 Using QuickBooks in Accounting (3)**
- **ACC 132 Payroll & Hawai‘i General Excise Tax (3)**
- **BUS 120** Principles of Business (3)**
- **ACC 134 Individual Income Tax Preparation (3)**
- **ACC 255 Using Excel in Accounting (3)**
- **BLAW 200 Legal Environment of Business (3)**
- **ACC 137 Business Income Tax Preparation (3)**
- **BUSN 193V Cooperative Education (3)**
- **BUSN 164 Career Success (3)**

General Education Requirements: 21 credits

- **BUSN 188** Business Calculations (3) or BUS 250*** Applied Mathematics in Business (3) or MATH 103**** College Algebra (3) or MATH 115**** Introduction to Statistics and Probability (3), or higher MATH**
- **SP 151 Personal and Public Speech (3) or SP 251 Principles of Effective Public Speaking (3)**
- **ENG 100 Composition I (3) or equivalent**
- **ECON 131 Principles of Macroeconomics (3) or ECON 130 Principles of Microeconomics (3) or ECON 120** Introduction to Economics (3)**
- **ENG 209 Business Writing (3)**
- **Natural Science (DB or DP) (3)**

- **Arts & Humanities Elective (DA, DH or DL) (3) (HWST 107 recommended, as this course meets both the DH and HAP requirements for students transferring to UH West Oʻahu or UH Mānoa bachelor's degree programs)**

Business Elective***: 0 to 3 credits**

- **Any course with the following alphas (other than required courses): ACC, BLAW, BUS, BUSN, ECOM, ECON, FIN, HIT, HOST, MGT, MKT, TIM. Students intending to transfer to a 4-year business program at UH West Oʻahu or UH Mānoa are advised to take ECON 130 or 131.**

Total Credits: 60

***Combination of Introductory Accounting Courses for the AS-ACCT are ACC 124 + ACC 125 + ACC 202 or ACC 201 + ACC 202. The sequence of ACC 124, 125 and 202 is equivalent to the sequence of ACC 201 and 202 and vice versa. Therefore, credit will not be given for both sequences. A student who has completed ACC 124 or ACC 125 may not use ACC 201 as an elective for any AS, AA or AAS degree. Similarly, a student who has completed ACC 201 may not use ACC 124 and ACC 125 as an elective for any AS, AA or AAS degree. Note: UH Mānoa will only accept credit for the combination of ACC 124 + ACC 125 + ACC 202 or ACC 201 + ACC 202 taken from the same UHCC.**

****Not recommended for transfer to a four-year program.**

*****BUS 250 meets the UH Mānoa FQ General Education Core.**

******MATH 103 and MATH 115 articulate with UH West Oʻahu as a General Education Foundations Quantitative Reasoning (FQ) course and will satisfy the lower division math requirement for the Bachelor of Arts in Business Administration, Accounting degree.**

*******Students who complete the ACC 201 + ACC 202 sequence are required to complete a minimum of 3 elective credits. Students who complete the alternative/equivalent sequence of ACC 124 + ACC 125 + ACC 202 are not required to take additional elective credits.**

The program consists of general education courses including oral and written communications, general business courses to provide a strong business foundation, and specific accounting courses. Admission and counseling are consistent with other programs at the college. (No special admission requirements.)

Please see an Academic Advisor for help in choosing ACC 124 or ACC 201 and BUSN 188, MATH 103, MATH 115, or BUS 250.

Semester 1

15 Total Credits:

- **Complete all of the following**

- Complete 1 of the following
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - ACC124 - Principles of Accounting I (3)
    - Earned a minimum grade of C in each of the following:
      - ACC125 - Principles of Accounting II (3)
    - Earned a minimum grade of C in each of the following:
      - ACC202 - Introduction to Managerial Accounting (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - ACC201 - Introduction to Financial Accounting (3)
    - Earned a minimum grade of C in each of the following:
      - ACC202 - Introduction to Managerial Accounting (3)
    - Earned at least 3 credits from ACC, BLAW, BUS, BUSN, ECOM, ECON, ENT, FIN, HIT, HOST, MGT, MKT, or TIM
- Complete 1 of the following
  - Completed the following:
    - BUSN188 - Business Calculations (3)
  - Completed the following:
    - MATH103 - College Algebra (3)
  - Completed the following:
    - BUS250 - Applied Mathematics in Business (3)
  - Completed the following:
    - MATH115 - Introduction to Statistics and Probability (3)
  - Completed at least 3 credits from the following types of courses: Any MATH course numbered higher than 115.
- Complete 1 of the following
  - Completed the following:
    - ICS101 - Digital Tools for the Information World (3)
  - Completed the following:
    - BUS101 - Business Info Systems (3)
- Complete 1 of the following
  - Completed the following:
    - SP151 - Personal and Public Speech (3)
  - Completed the following:
    - SP251 - Principles of Effective Public Speaking (3)
- Complete 1 of the following
  - Completed the following:
    - ENG100 - Composition I (3)

- or equivalent

Semester 2

15 Total Credits:

- Complete all of the following
  - Complete 1 of the following
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - ACC124 - Principles of Accounting I (3)
      - Earned a minimum grade of C in each of the following:
        - ACC125 - Principles of Accounting II (3)
      - Earned a minimum grade of C in each of the following:
        - ACC202 - Introduction to Managerial Accounting (3)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - ACC201 - Introduction to Financial Accounting (3)
      - Earned a minimum grade of C in each of the following:
        - ACC202 - Introduction to Managerial Accounting (3)
      - Earned at least 3 credits from ACC, BLAW, BUS, BUSN, ECOM, ECON, ENT, FIN, HIT, HOST, MGT, MKT, or TIM
  - Earned a minimum grade of C in each of the following:
    - ACC132 - Payroll and Hawai'i General Excise Tax (3)
    - ACC252 - Using QuickBooks® in Accounting (3)
  - Completed the following:
    - BUS120 - Principles of Business (3)
    - BUSN164 - Career Success (3)

Semester 3

15 Total Credits:

- Complete all of the following
  - Complete 1 of the following
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - ACC124 - Principles of Accounting I (3)
      - Earned a minimum grade of C in each of the following:
        - ACC125 - Principles of Accounting II (3)
      - Earned a minimum grade of C in each of the following:
        - ACC202 - Introduction to Managerial Accounting (3)

- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - ACC201 - Introduction to Financial Accounting (3)
  - Earned a minimum grade of C in each of the following:
    - ACC202 - Introduction to Managerial Accounting (3)
  - Earned at least 3 credits from ACC, BLAW, BUS, BUSN, ECOM, ECON, ENT, FIN, HIT, HOST, MGT, MKT, or TIM
- Earned a minimum grade of C in each of the following:
  - ACC134 - Individual Income Tax Preparation (3)
- Complete all of the following
  - Complete 1 of the following
    - Completed the following:
      - ECON120 - Introduction to Economics (3)
    - Completed the following:
      - ECON130 - Principles of Microeconomics (3)
    - Completed the following:
      - ECON131 - Principles of Macroeconomics (3)
  - Completed the following:
    - ENG209 - Business Writing (3)
- Completed at least 3 credits from the following types of courses: DB or DP

Semester 4

15 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - ACC255 - Using Excel® in Accounting (3)
    - ACC137 - Business Income Tax Preparation (3)
  - Completed the following:
    - BLAW200 - Legal Environment of Business (3)
  - Earned at least 3 credits from the following:
    - BUSN193V - Cooperative Education (1 - 4)
  - Complete 1 of the following
    - Completed the following:
      - HWST107 - Hawai'i: Center of the Pacific (3)
    - Completed at least 3 credits from the following types of courses: DA/DH/DL course other than HWST 107

Grand Total Credits: 60

Business (AS-BUS)

The Associate in Science degree in Business is designed primarily to prepare students for careers in business. Students may choose to earn an Associate in Science in Business degree OR an Associate in Science in Business degree with a specialization in: Management (MGMT), Entrepreneurship (ENT), Hospitality and Tourism (HOST) or Administrative Assistant (ADAS).

All required core courses and special electives must be passed with a grade of "C" or better to be applied to the degree and certificates.

Business Core: 42 Credits

- **ENG 100 Composition I (3)**
- **SP 151 Personal and Public Speaking (3)**
- **BUSN 164 Career Success (3)**
- **MGT 120 Principles of Management (3)**
- **MGT 121 Service Excellence (3)**
- **BLAW 200 Legal Environment of Business (3)**
- **BUS 120 Principles of Business (3)**
- **ICS 101 Digital Tools for the Information World (3) or BUS 101 Business Info Systems (3)**
- **MATH 103 College Algebra (3) or MATH 115 Intro to Stats & Prob (3) or higher STEM math (3-4)**
- **MKT 120 Principles of Marketing (3)**
- **ACC 201 Financial Accounting (3)**
- **BUSN 193V Cooperative Education (2* or 3)**
- **ECON 130 Principles of Microeconomics (3)**
- **ECON 131 Principles of Macroeconomics (3)**

***Hospitality and Tourism Specialization: If a student takes a foreign language elective for 4 credits, BUSN 193V must be taken for 2 credits; if foreign elective is taken for 3 credits, BUSN 193V must be taken for 3 credits.**

General Education Credits: 6 Credits

- **DB or DP (3)**
- **HWST 107 or any other DA or DH or DL course (3)**

Special Elective Credits: 12 credits

Special Electives are recommended to be taken from the courses with the following alphas: ACC, BLAW, BUS, BUSN, FIN, ECOM, HIT, HOST, MGT, MKT, or TIM.

OR

Students may elect to take the following special electives for AS Business, specialization in Management: (Proposed)

SPECIALIZATION: Management: 12 credits

ENG 209 Business Writing (3)

ACC 202 Managerial Accounting (3)

MGT 122 Human Relations in Management (3)

MGT 124 Human Resource Management (3)

OR

Students may elect to take the following special electives for AS Business, specialization in Hospitality and Tourism:

SPECIALIZATION: Hospitality and Tourism Electives: 12 credits

- **HOST 101 Introduction to Travel Industry Management (3)**
- **HOST 152 Front Office Operations (3)**
- **HOST 154 Food and Beverage Operations (3)**
- **Foreign Language Elective (3 or 4*)**

***Hospitality and Tourism Specialization: If a student takes a foreign language elective for 4 credits, BUSN 193V must be taken for 2 credits; if foreign elective is taken for 3 credits, BUSN 193V must be taken for 3 credits.**

OR

Students may elect to take the following special electives for AS Business, specialization in Entrepreneurship:

SPECIALIZATION: Entrepreneurship Electives: 12 credits

- **ENT 120 Introduction to Entrepreneurship (3)**
- **ENT 125 Starting a Business (3)**
- **MKT 130 Principles of Retailing (3)**
- **BUSN 158 Social Media and Cloud-Based Collaboration for Business (3)**

OR

Students may elect to take the following special electives for AS Business, specialization in Administrative Assistant:

SPECIALIZATION: Administrative Assistant Electives: 12 credits

- **BUSN 123 Word Processing for Business (3)**
- **BUSN 188 Business Calculations (3)**
- **BUSN 170 Records & Info Management (3)**
- **BUSN 158 Social Media and Cloud-Based Collaboration for Business (3)**

Total number of credits: 60

Semester 1

15 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **BUSN164 - Career Success (3)**
  - **BUS120 - Principles of Business (3)**
  - **MGT121 - Service Excellence (3)**
  - **SP151 - Personal and Public Speech (3)**
  - **ENG100 - Composition I (3)**

Semester 2

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **MKT120 - Principles of Marketing (3)**
    - **MGT120 - Principles of Management (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **MATH103 - College Algebra (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **MATH115 - Introduction to Statistics and Probability (3)**
    - **or higher STEM math**
  - **Completed at least 1 of the following:**
    - **ICS101 - Digital Tools for the Information World (3)**
    - **BUS101 - Business Info Systems (3)**

  Business Electives and Specializations
  - **Complete 1 of the following**

    Business Recommended Electives
    - **Earned at least 3 credits from ACC, BLAW, BUS, BUSN, FIN, ECOM, HIT, HOST, MGT, MKT, or TIM**

    Business Managment Specialization
    - **Earned at least 3 credits from the following course sets:**

Specialization: Management

- ENG209 - Business Writing (3)
- ACC202 - Introduction to Managerial Accounting (3)
- MGT122 - Human Relations in Management (3)
- MGT124 - Human Resource Management (3)

Business Hospitality and Tourism Specialization

- Complete 1 of the following
  - Completed the following:
    - HOST101 - Introduction to Hospitality and Tourism (3)
  - Completed the following:
    - HOST152 - Front Office Operations (3)
  - Completed the following:
    - HOST154 - Food and Beverage Operations (3)
  - Completed at least 3 credits from the following types of courses: Foreign Language

Business Entrepreneurship Specialization

- Earned at least 3 credits from the following course sets:

Specialization: Entrepreneurship

- BUSN158 - Social Media and Cloud-Based Collaboration for Business (3)
- ENT120 - Introduction to Entrepreneurship (3)
- ENT125 - Starting a Business (3)
- MKT130 - Principles of Retailing (3)

Business Administrative Assistant Specialization

- Earned at least 3 credits from the following course sets:

Specialization: Administrative Assistant Electives

- BUSN123 - Word Processing for Business (3)
- BUSN158 - Social Media and Cloud-Based Collaboration for Business (3)
- BUSN170 - Records and Information Management (3)
- BUSN188 - Business Calculations (3)

Semester 3

15 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - BLAW200 - Legal Environment of Business (3)
    - ECON131 - Principles of Macroeconomics (3)
    - ACC201 - Introduction to Financial Accounting (3)

  Business Electives and Specializations
  - Complete 1 of the following

    Business Recommended Electives
    - Earned at least 3 credits from ACC, BLAW, BUS, BUSN, FIN, ECOM, HIT, HOST, MGT, MKT, or TIM

    Business Management Specialization

- Earned at least 3 credits from the following course sets:
  Specialization: Management
  - ENG209 - Business Writing (3)
  - ACC202 - Introduction to Managerial Accounting (3)
  - MGT122 - Human Relations in Management (3)
  - MGT124 - Human Resource Management (3)

  Business Hospitality and Tourism Specialization
- Complete 1 of the following
  - Completed the following:
    - HOST101 - Introduction to Hospitality and Tourism (3)
  - Completed the following:
    - HOST152 - Front Office Operations (3)
  - Completed the following:
    - HOST154 - Food and Beverage Operations (3)
  - Completed at least 3 credits from the following types of courses:
    Foreign Language

  Business Entrepreneurship Specialization
- Earned at least 3 credits from the following course sets:
  Specialization: Entrepreneurship
  - BUSN158 - Social Media and Cloud-Based Collaboration for Business (3)
  - ENT120 - Introduction to Entrepreneurship (3)
  - ENT125 - Starting a Business (3)
  - MKT130 - Principles of Retailing (3)

  Business Administrative Assistant Specialization
- Earned at least 3 credits from the following course sets:
  Specialization: Administrative Assistant Electives
  - BUSN123 - Word Processing for Business (3)
  - BUSN158 - Social Media and Cloud-Based Collaboration for Business (3)
  - BUSN170 - Records and Information Management (3)
  - BUSN188 - Business Calculations (3)

- Completed at least 3 credits from the following types of courses:
  Any DB or DP course

Semester 4

13 - 16Total Credits

- Complete all of the following
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - BUSN193V - Cooperative Education (1 - 4)
    - Earned a minimum grade of C in each of the following:
      - ECON130 - Principles of Microeconomics (3)

- Complete 1 of the following
  - Completed the following:
    - HWST107 - Hawai'i: Center of the Pacific (3)
  - Completed at least 3 credits from the following types of courses:
    Any DA/DH/DL course other than HWST 107

Business Electives and Specializations

- Complete 1 of the following

Business Recommended Electives

- Earned at least 6 credits from ACC, BLAW, BUS, BUSN, FIN, ECOM, HIT, HOST, MGT, MKT, or TIM

Business Management Specialization

- Earned at least 6 credits from the following course sets:
  Specialization: Management
  - ENG209 - Business Writing (3)
  - ACC202 - Introduction to Managerial Accounting (3)
  - MGT122 - Human Relations in Management (3)
  - MGT124 - Human Resource Management (3)

Business Hospitality and Tourism Specialization

- Complete 2 of the following
  - Completed the following:
    - HOST101 - Introduction to Hospitality and Tourism (3)
  - Completed the following:
    - HOST152 - Front Office Operations (3)
  - Completed the following:
    - HOST154 - Food and Beverage Operations (3)
  - Completed at least 3 credits from the following types of courses:
    Foreign Language

Business Administrative Assistant Specialization

- Earned at least 6 credits from the following course sets:
  Specialization: Administrative Assistant Electives
  - BUSN123 - Word Processing for Business (3)
  - BUSN158 - Social Media and Cloud-Based Collaboration for Business (3)
  - BUSN170 - Records and Information Management (3)

- BUSN188 - Business Calculations (3)

Grand Total Credits: 58 - 61

Culinary Arts (AS-CULN)

This program is designed to provide the technical knowledge and basic skills training for students interested in a professional food service career. Program emphasis is on providing students with theoretical knowledge reinforced with "hands-on" training. With job experience, graduates of the program have advanced to chefs, pastry chefs, kitchen managers, restaurant managers, and restaurant owners.

In order to obtain a Culinary Certificate or Degree, students must pass all culinary classes with a grade of C or better.

The AS degree requires 46 program credits and 15 general education credits and consists of:

CULN 111 Introduction to the Culinary Industry (2)

CULN 112 Sanitation and Safety (2)

CULN 115 Menu Planning and Merchandising (2)

CULN 273 Culinary Purchasing and Cost Control (3)

CULN 160 Dining Room Operations (5)

CULN 120 Fundamentals of Cookery (5)

CULN 125 Fundamentals of Cookery II (5)

CULN 224 Asian/Continental Cuisine (5)

CULN 150 Fundamentals of Baking (5)

CULN 223 Contemporary Cuisines (5)

CULN 241 Garde Manger II (3)

CULN 276 Human Resources Management and Supervision (2)

CULN 293C Culinary Externship (2)

MATH 100 Survey of Mathematics or equivalent or higher (3)

ENG 100 Composition I or equivalent (3)

FSHN 100 Concepts in Nutritional Science (3)

Social Science Elective (3)

Arts and Humanities Elective (3)

Total Credits: 61

Semester 1

17 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **CULN111 - Introduction to the Culinary Industry (2)**
    - **CULN112 - Sanitation and Safety (2)**
    - **CULN120 - Fundamentals of Cookery (5)**
    - **CULN125 - Fundamentals of Cookery II (5)**
  - **Complete 1 of the following**
    - **Completed the following:**
      - **MATH100 - Survey of Mathematics (3)**
    - **Or equivalent or higher.**

Semester 2

16 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **CULN150 - Fundamentals of Baking (5)**
    - **CULN224 - Asian/Continental Cuisine (5)**
  - **Complete 1 of the following**
    - **Completed the following:**
      - **ENG100 - Composition I (3)**
    - **Or equivalent.**
  - **Completed at least 3 credits from the following types of courses: Arts & Humanities elective**

Semester 3

16 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **CULN160 - Dining Room Operations (5)**
    - **CULN223 - Contemporary Cuisines (5)**
    - **CULN273 - Culinary Purchasing and Cost Management (3)**
  - **Completed the following:**
    - **FSHN100 - Concepts in Nutritional Science (3)**

Semester 4

12 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **CULN241 - Garde Manger II (3)**
    - **CULN276 - Human Resources Management and Supervision in the Hospitality Industry (2)**
    - **CULN293C - Culinary Externship (2)**
    - **CULN115 - Menu Merchandising (2)**
  - **Completed at least 3 credits from the following types of courses: Social Science elective**

Grand Total Credits: 61

Digital Media Production (AS-DMED)

The degree provides individuals with the art and design training needed to explore and express ideas using leading-edge technology and skillsets. Students receive integrated digital media training in one of four specializations: Animation and Motion Graphics, Creative Media, Digital Photography, and Digital Video for the Web. Students become lifelong learners, developing the skills required for a vast array of digital media communications, graphic design, photography, two-dimensional and three-dimensional animation, and video production.

All core and specialization courses must be passed with a grade of "C" or better. Students must earn a cumulative 2.0 GPA or better for all required courses.

DMED Core Requirements: 12 credits

- **DMED 160 Media Literacy and Ethics (3)**
- **DMED 200 Electronic Portfolio (3)**
- **DMED 251 Media Entrepreneurship (3)**
- **DMED 261 Digital Media Marketing and Online Distribution (3)**

General Education: 15 credits

- **Written Communication (FW) (3)**
- **MATH 100 Survey of Mathematics (3) or Higher OR Any Quantitative Reasoning (FQ)**
- **Global Multicultural Perspective (FG) (3)**
- **Diversification Social Sciences (DS) (3)**
- **Diversification Biological Sciences OR Physical Sciences (DB OR DP) (3)**

Specialization in Animation and Motion Graphics: 33 credits

- **ART 112 Intro to Digital Arts (3)**
- **ART 113 Introduction to Drawing (3)**
- **ART 113D Introduction to Digital Drawing (3)**

- **ART 229 Interface Design I (3)**
- **DMED 133 Sound Design for Digital Media (3)**
- **DMED 140 Principles of Animation (3)**
- **DMED 141 Introduction to 3D Animation (3)**
- **DMED 240 Animation & Special Effects (3)**
- **DMED 241 3D Motion Graphics (3)**
- **DMED 242 Character Animation (3)**
- **DMED 243 3D Modeling and Animation (3)**

Specialization Creative Media: 33 credits

- **ART 107D Introduction to Digital Photography (3)**
- **ART 112 Intro to Digital Arts (3)**
- **ART 113 Introduction to Drawing (3)**
- **ART 113D Introduction to Digital Drawing (3)**
- **ART 115D Introduction to 2D Digital Design (3)**
- **ART 123 Introduction to Painting (3)**
- **ART 156 Digital Painting (3)**
- **ART 166 Digital Printmaking (3)**
- **ART 202 Digital Imaging (3)**
- **ART 221 Design for Print and Web (3)**
- **DMED 131 Introduction to Digital Video (3)**

Specialization Digital Photography: 33 credits

- **ART 101 Introduction to the Visual Arts (3)**
- **ART 107D Introduction to Digital Photography (3)**
- **ART 112 Intro to Digital Arts (3)**
- **ART 115D Introduction to 2D Digital Design (3)**
- **ART 202 Digital Imaging (3)**
- **ART 207D Intermediate Digital Photography (3)**
- **ART 241 Photography as Story (3)**
- **ART 277D Digital Photography: Light and Image/Photo: Light & Image (3)**
- **ART 287 Digital Photography: Industry and Media (3)**
- **DMED 131 Introduction to Digital Video (3)**
- **DMED 150 Film Analysis & Storytelling (3)**

Specialization Digital Video for the Web: 33 credits

- **DMED 126 Introduction to Digital Camera Operation, Composition, & Lighting Principles (3)**
- **DMED 142 Film & Video Audio Acquisition & Recording (3)**
- **DMED 150 Film Analysis & Storytelling (3)**
- **DMED 151 Intro to Film & Video Editing Principles (3)**
- **DMED 211 Intro to Film & Video Storytelling & Scriptwriting (3)**
- **DMED 226 Applied Digital Camera Operation, Composition, & Lighting (3)**
- **DMED 227 Advanced Film & Video Storytelling & Scriptwriting (3)**

- DMED 252 Applied Film & Video Editing & Post-Production Audio (3)
- DMED 291 Film & Video Directing-Studio/Location Production (3)
- DMED 292 Media Project Production (3)
- DMED 294 Advanced Editing & Audio (3)

Total Credits: 60

Semester 1

15 Total Credits:

- Complete 1 of the following

  Animation & Motion Graphics
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART112 - Intro to Digital Arts (3)
      - ART113 - Introduction to Drawing (3)
      - DMED140 - Principles of Animation (3)
      - DMED160 - Media Literacy and Ethics (3)
    - Completed at least 3 credits from the following types of courses: FW

  Creative Media
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART112 - Intro to Digital Arts (3)
      - ART113 - Introduction to Drawing (3)
      - ART115D - Introduction to 2D Digital Design (3)
      - DMED160 - Media Literacy and Ethics (3)
    - Completed at least 3 credits from the following types of courses: FW

  Digital Photography
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART101 - Introduction to the Visual Arts (3)
      - ART112 - Intro to Digital Arts (3)
      - ART107D - Introduction to Digital Photography (3)
      - DMED160 - Media Literacy and Ethics (3)
    - Completed at least 3 credits from the following types of courses: FW

  Digital Video for the Web
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - DMED150 - Film Analysis & Storytelling (3)
      - DMED126 - Introduction to Digital Camera Operation, Composition, & Lighting Principles (3)

- DMED142 - Film & Video Audio Acquisition & Recording (3)
- DMED151 - Introduction to Film & Video Editing Principles (3)

- Completed at least 3 credits from the following types of courses: FW

Semester 2

15 Total Credits:

- Complete 1 of the following

  Animation & Motion Graphics
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART113D - Introduction to Digital Drawing (3)
      - ART229 - Interface Design I (3)
      - DMED133 - Sound Design for Digital Media (3)
      - DMED141 - Introduction to 3D Animation (3)
    - Completed at least 3 credits from the following types of courses: MATH 100 or higher or any FQ

  Creative Media
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART113D - Introduction to Digital Drawing (3)
      - ART123 - Introduction to Painting (3)
      - ART166 - Digital Printmaking (3)
      - DMED131 - Introduction to Digital Video (3)
    - Completed at least 3 credits from the following types of courses: MATH 100 or higher or any FQ

  Digital Photography
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART115D - Introduction to 2D Digital Design (3)
      - ART207D - Intermediate Digital Photography (3)
      - ART277D - Digital Photography: Light and Image (3)
      - DMED150 - Film Analysis & Storytelling (3)
    - Completed at least 3 credits from the following types of courses: MATH 100 or higher or any FQ

  Digital Video for the Web
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - DMED160 - Media Literacy and Ethics (3)
      - DMED226 - Applied Digital Camera Operation, Composition, & Lighting (3)
      - DMED211 - Intro to Film & Video Storytelling & Scriptwriting (3)
      - DMED252 - Applied Film & Video Editing & Post-Production Audio (3)

- Completed at least 3 credits from the following types of courses: MATH 100 or higher or any FQ

Semester 3

15 Total Credits:

- Complete 1 of the following

  Animation & Motion Graphics
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - DMED240 - Animation & Special Effects (3)
      - DMED242 - Character Animation (3)
      - DMED261 - Digital Media Marketing and Online Distribution (3)
    - Completed at least 3 credits from the following types of courses: FG
    - Completed at least 3 credits from the following types of courses: DP or DB

  Creative Media
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART107D - Introduction to Digital Photography (3)
      - ART156 - Digital Painting (3)
      - DMED261 - Digital Media Marketing and Online Distribution (3)
    - Completed at least 3 credits from the following types of courses: FG
    - Completed at least 3 credits from the following types of courses: DP or DB

  Digital Photography
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART202 - Digital Imaging (3)
      - ART287 - Digital Photography: Industry and Media (3)
      - DMED261 - Digital Media Marketing and Online Distribution (3)
    - Completed at least 3 credits from the following types of courses: FG
    - Completed at least 3 credits from the following types of courses: DP or DB

  Digital Video for the Web
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - DMED227 - Advanced Film & Video Storytelling & Scriptwriting (3)
      - DMED291 - Film & Video Directing-Studio/Location Production (3)
      - DMED294 - Advanced Editing & Audio (3)
    - Completed at least 3 credits from the following types of courses:

FG
- Completed at least 3 credits from the following types of courses: DP or DB

Semester 4

15 Total Credits:

- Complete 1 of the following

  Animation & Motion Graphics
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - DMED200 - Electronic Portfolio (3)
      - DMED243 - 3D Modeling and Animation (3)
      - DMED241 - 3D Motion Graphics (3)
      - DMED251 - Media Entrepreneurship (3)
    - Completed at least 3 credits from the following types of courses: DS

  Creative Media
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ART202 - Digital Imaging (3)
      - DMED200 - Electronic Portfolio (3)
      - DMED251 - Media Entrepreneurship (3)
      - ART221 - Design for Print and Web (3)
    - Completed at least 3 credits from the following types of courses: DS

  Digital Photography
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - DMED200 - Electronic Portfolio (3)
      - DMED251 - Media Entrepreneurship (3)
      - ART241 - Photography as Story (3)
      - DMED131 - Introduction to Digital Video (3)
    - Completed at least 3 credits from the following types of courses: DS

  Digital Video for the Web
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - DMED200 - Electronic Portfolio (3)
      - DMED251 - Media Entrepreneurship (3)
      - DMED261 - Digital Media Marketing and Online Distribution (3)
      - DMED292 - Media Project Production (3)
    - Completed at least 3 credits from the following types of courses:

DS

Grand Total Credits: 60

Health Information Technology (AS-HIT)

In this degree program, students will expand their records and information management skills in medical coding and medical records, including electronic records. Combined with the biological science, health statistics, and management courses, the students will be able to pursue careers as an Admissions Clerk, Cancer Registrar, Coder, Health Information Management (HIM) Technologist, Patient Access Supervisor, Privacy Officer, and/or Release of Information Technologist.

To obtain a Health Information Technology (HIT) Associate in Science (AS), students must pass all required courses with a grade of C or better.

HIT 101 Healthcare Delivery Systems (3)

HLTH 110 Medical Terminology (2)

ENG 100 Composition I (3)

PHYL 141 Human Anatomy & Physiology I (3)*

PHYL 141L Human Anatomy & Physiology I Lab (1)*

BUS 101 Business Information Systems (3) or ICS 101 Digital Tools for the Information World (3)

HIT 108 Introduction to Diagnosis Coding (3)

HIT 109 Introduction to Procedure Coding (3)

HIT 120 Intro to Healthcare Data Management & Analytics (3)

HIT 171 Health Data, Information, Law, and Ethics (3)

HIT 200 Disease Pathology and Pharmacology (3)

HIT 115 Reimbursement Methodologies (3)

HIT 176 Statistics with Health Applications (3)

HIT 208 Advanced Coding (3)

HIT 220 Healthcare Data Management & Analytics (3)

PHYL 142 Human Anatomy & Physiology II (3)

PHYL 142L Human Anatomy & Physiology II Lab (1)

HIT 192 Professional Practice Experience and Registered Health Information Technician Exam Prep (3)

HIT 215 Quality Management (3)

HIT 225 HIM Supervisory Management (3)

HWST 107 Hawai'i: Center of the Pacific (3)

Diversification Social Sciences (DS) (3) (ECON 131 Principles of Macroeconomics (3) recommended)

Total credits: 61

***Prerequisite:1-year of high school college-prep chemistry with a B or better within the last 5 years, or a C or better in one of the following: CHEM 151, CHEM 161, or BIOC 141**

The program is organized so that the student builds a foundation (CO = 15 credits; CA = 30 credits; AS = 61 credits) as progressing through a recommended group of courses. Courses with required knowledge have prerequisites, and the counselors will have the program information to guide the student into the proper course sequence.

The program is designed to meet the (1) employment needs of the health care organizations and (2) needs of students who wish to participate in a training program that will lead to an Associate in Science (AS) in Health Information Technology (HIT) with the opportunity to obtain entry-level positions and advance to higher levels in medical facilities. The Leeward CC counselors, especially the counselor assigned to the Business Division, will be responsible for advising future and current students in the HIT Program.

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **HIT101 - Healthcare Delivery Systems (3)**
    - **HLTH110 - Medical Terminology (2)**
    - **ENG100 - Composition I (3)**
    - **PHYL141 - Human Anatomy and Physiology I (3)**
    - **PHYL141L - Human Anatomy and Physiology I Lab (1)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **BUS101 - Business Info Systems (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **ICS101 - Digital Tools for the Information World (3)**

Semester 2

15 Total Credits:

- Earned a minimum grade of C in each of the following:
  - HIT108 - Introduction to Diagnosis Coding (3)
  - HIT109 - Introduction to Procedure Coding (3)
  - HIT120 - Intro to Healthcare Data Management & Analytics (3)
  - HIT171 - Health Data, Information, Law, and Ethics (3)
  - HIT200 - Disease Path and Pharmacology (3)

Semester 3

16 Total Credits:

- Earned a minimum grade of C in each of the following:
  - HIT115 - Reimbursement Methodologies (3)
  - HIT176 - Health Information Statistics (3)
  - HIT208 - Advanced Coding (3)
  - HIT220 - Healthcare Data Management & Analytics (3)
  - PHYL142 - Human Anatomy and Physiology II (3)
  - PHYL142L - Human Anatomy and Physiology II Lab (1)

Semester 4

15 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - HIT192 - Professional Practice Experience and Registered Health Information Technician Exam Prep (3)
    - HIT215 - Quality Management (3)
    - HIT225 - Health Information Management (HIM) Supervisory Management (3)
    - HWST107 - Hawai'i: Center of the Pacific (3)
  - Complete 1 of the following
    - Completed at least 3 credits from the following types of courses: Diversification: Social Sciences (DS)
    - Earned a minimum grade of C in each of the following:
      - ECON131 - Principles of Macroeconomics (3)

Grand Total Credits: 61

Information and Computer Science (AS-ICS)

The curriculum leading to an Associate in Science degree in Information and Computer Science is designed to prepare individuals for employment as technical assistants to professional and administrative personnel using computers. Students may choose one of five areas of specialty: Network Support Specialist, Information Security Specialist, Software Developer Specialist, Data Science Specialist, and Cloud Security Specialist. Skills in writing, speech, and mathematics complete the preparation for employment. In addition to training the student for

work in the technical areas mentioned earlier, the program requirements are designed to facilitate transfer to the baccalaureate programs in Information and Computer Sciences at UH Mānoa, UH Hilo, and UH West O'ahu for those students who wish to continue their education while working in the industry.

All required ICS courses must be passed with a grade of "C" or better in order to be applied to the degree and certificates.

Core Requirements: 27 credits

- **ICS 101 Digital Tools for the Information World (3) or ICS 103 Introduction to Computer Science Principles (3)**
- **ICS 110P Introduction to Programming or equivalent (3)**
- **ICS 111 Introduction to Computer Science I (3)**
- **ICS 125 Personal Computer Maintenance and Repair (3) or ICS 131 Introduction to Virtualization (3)**
- **ICS 129 Introduction to Databases (3) or ICS 102 Introduction to Data Science (3)**
- **ICS 171 Introduction to Computer Security (3)**
- **ICS 184 Introduction to Networking (3)**
- **ICS 231 Introduction to Linux (3)**
- **ICS 270 Systems Analysis (3)**

General Education Requirements: 24 credits

- **ENG 100 Composition I (3)**
- **ENG 209 Business Writing (3) or ENG 225 Technical Writing (3)**
- **ICS 141 Discrete Mathematics for Computer Science I (3) or MATH 103 College Algebra (3), or MATH 135 Precalc: Elementary Functions (3) or higher than MATH 135**
- **ICS 170 Ethics for the Digital World (3)**
- **SP 151 Personal and Public Speech (3) or SP 251 Principles of Effective Public Speaking (3)**
- **One DS Course (3)**
- **One FG Course (3)**
- **One Elective: 3 credits (must be any ICS course 100 or higher not used for ICS program requirements)**

Specialty: 9 credits Select One Specialty Below

Information Security Specialty (for UHWO ISA BAS transfer students)

- **ICS 215 Introduction to Scripting (3)**
- **ICS 281 Ethical Hacking (3)**
- **ICS 282 Computer Forensics (3)**

Network Support Specialty (for UHWO ISA BAS transfer students)

- **ICS 215 Introduction to Scripting (3)**
- **ICS 273 Network Design and Administration (3)**
- **ICS 274 Advanced Network Design and Administration (3)**

Software Developer Specialty (for UHM ICS BA or UHWO ISA BAS transfer students)

- **ICS 211 Introduction to Computer Science II (3)**
- **ICS 212 Program Structure (3) or ICS 215 Introduction to Scripting (3)**
- **ICS 241 Discrete Mathematics for Computer Science II (3)**

Cloud Support Specialty

- **ICS 215 Introduction to Scripting (3)**
- **ICS 281 Ethical Hacking (3)**
- **ICS 284 Cloud Security (3)**

Data Science Specialty

- **ICS 235 Machine Learning Methods (3)**
- **ICS 262 Data Analysis Using R and Python (3)**
- **ICS 263 Data Visualization (3)**

Total Credits: 60

MATH 103 transfers to UHWO. ICS 141 transfers to UH Mānoa. ENG 209 transfers to UHWO. Students taking the Information Security Specialty must take ICS 129, Introduction to Databases. ICS 102 can only be used as an elective for the Information Security Specialty. All other specialties may take either ICS 102 or ICS 129.

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **ICS170 - Ethics for the Digital World (3)**
    - **ICS184 - Introduction to Networking (3)**
    - **ICS110P - Introduction to Programming (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ICS101 - Digital Tools for the Information World (3)**

- Earned a minimum grade of C in each of the following:
  - ICS103 - Introduction to Computer Science Principles (3)

- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - ICS141 - Discrete Mathematics for Computer Science I (3)
  - Completed the following:
    - MATH103 - College Algebra (3)
  - Completed the following:
    - MATH135 - Precalculus: Elementary Functions (3)
  - Completed at least 3 credits from the following types of courses: MATH course numbered higher than 135

Semester 2

15 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - ICS111 - Introduction to Computer Science I (3)
    - ICS171 - Introduction to Computer Security (3)
    - ICS231 - Introduction to Linux (3)
  - Completed the following:
    - ENG100 - Composition I (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - ICS125 - Personal Computer Maintenance and Repair (3)
    - Earned a minimum grade of C in each of the following:
      - ICS131 - Introduction to Virtualization (3)

Semester 3

15 Total Credits:

- Complete all of the following
  - Earned at least 3 credits from the following:
    - ICS102 - Introduction to Data Science (3)
    - ICS129 - Introduction to Databases (3)
  - Completed at least 1 of the following:
    - ENG209 - Business Writing (3)
    - ENG225 - Technical Writing (3)
  - Completed at least 1 of the following:
    - SP151 - Personal and Public Speech (3)
    - SP251 - Principles of Effective Public Speaking (3)

- Complete 1 of the following
  - Completed at least 1 courses from the following:
    Information Security Speciality
    - ICS215 - Introduction to Scripting (3)
    - ICS281 - Ethical Hacking (3)
    - ICS282 - Computer Forensics (3)
  - Completed at least 1 courses from the following:
    Software Developer Speciality
    - ICS211 - Introduction to Computer Science II (3)
    - ICS241 - Discrete Mathematics for Computer Science II (3)
    - ICS212 - Program Structure (3)
  - Completed at least 1 courses from the following:
    Network Support Speciality
    - ICS215 - Introduction to Scripting (3)
    - ICS273 - Network Design and Administration (3)
    - ICS274 - Advanced Network Routing and Optimization (3)
  - Completed at least 1 courses from the following:
    ICS Cloud Specialization
    - ICS284 - Cloud Security (3)
    - ICS215 - Introduction to Scripting (3)
    - ICS281 - Ethical Hacking (3)
  - Completed at least 1 courses from the following:
    Data Science Speciality
    - ICS235 - Machine Learning Methods (3)
    - ICS262 - Data Analysis Using R and Python (3)
    - ICS263 - Data Visualization (3)
- Earned at least 3 credits from ICS

Semester 4

15 Total Credits:

- Complete all of the following
  - Complete 1 of the following
    - Completed at least 2 courses from the following:
      Information Security Speciality
      - ICS215 - Introduction to Scripting (3)
      - ICS281 - Ethical Hacking (3)
      - ICS282 - Computer Forensics (3)
    - Completed at least 2 courses from the following:
      Software Developer Speciality
      - ICS211 - Introduction to Computer Science II (3)
      - ICS241 - Discrete Mathematics for Computer Science II (3)
      - ICS212 - Program Structure (3)
    - Completed at least 2 courses from the following:
      Network Support Speciality
      - ICS215 - Introduction to Scripting (3)

        - ICS273 - Network Design and Administration (3)
        - ICS274 - Advanced Network Routing and Optimization (3)
    - Completed at least 2 courses from the following:
      ICS Cloud Specialization
        - ICS284 - Cloud Security (3)
        - ICS215 - Introduction to Scripting (3)
        - ICS281 - Ethical Hacking (3)
    - Completed at least 2 courses from the following:
      Data Science Speciality
        - ICS235 - Machine Learning Methods (3)
        - ICS262 - Data Analysis Using R and Python (3)
        - ICS263 - Data Visualization (3)
  - Completed at least 3 credits from the following types of courses:
    FG.
  - Completed at least 3 credits from the following types of courses:
    DS.
  - Earned a minimum grade of C in each of the following:
    - ICS270 - Systems Analysis (3)

Grand Total Credits: 60

Mechatronics (AS-MECH)

This is a 63-credit degree program intended to provide students with a foundation in electronic, electrical, mechanical, automated control systems, and computer integrated manufacturing to meet the workforce needs of an emerging industrial technology industry. This program provides students with a theoretical and practical understanding of mechatronic systems and develops practical skills and systems integration. Graduates will be able to program, operate, maintain, calibrate, and repair the equipment that makes up these systems. The degree prepares students for occupations that involve the integration of electronic, electrical, mechanical, and control systems. Typical occupations may include automated programmable electromechanical systems technicians, robotics and manufacturing systems technicians, and process control systems integration technicians.

All courses must be completed with a C or better grade.

Core Requirements: 47 credits

- MECH 101 Industrial Safety Health and Environment (3)
- MECH 121 Electro-hydraulics and Pneumatics (3)
- MECH 131 Mechanical Drive Systems (3)
- MECH 151 Technical Design and Prototyping (4)
- MECH 171 Principles of Process Quality (3)

- **MECH 191 Metallurgy (3)**
- **MECH 201 AC/DC Circuits (4)**
- **MECH 205 Digital and Analog Circuits (4)**
- **MECH 221 Programmable Logic Control (4)**
- **MECH 231 Process Control and Instrumentation (4)**
- **MECH 251 Motor and Motion Control (4)**
- **MECH 271 Computer Integrated Manufacturing (4)**
- **MECH 281 Supervisory Control & Data Administration (4)**

General Education Requirements: 16 credits

- **ENG 100 Composition I (3)**
- **MATH 103 College Algebra (3) or higher STEM math**
- **PHYS 100 Survey of Physics (3)**
- **PHYS 100L Survey of Physics Laboratory (1)**
- **Social Science, 100 level or above (3)**
- **Arts & Humanities, 100 level or above (3)**

Total: 63 credits

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **MECH101 - Industrial Safety Health and Environment (3)**
    - **MECH121 - Electro-Hydraulics and Pneumatics (Fluid Power Systems) (3)**
    - **MECH131 - Mechanical Drive Systems (3)**
    - **ENG100 - Composition I (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **MATH103 - College Algebra (3)**
    - **or higher STEM math**

Semester 2

17 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - MECH151 - Technical Design and Prototyping (4)
    - MECH171 - Principles of Process Quality (3)
    - PHYS100 - Survey of Physics (3)
    - PHYS100L - Survey of Physics Lab (1)
    - MECH191 - Metallurgy (3)
  - Completed at least 3 credits from the following types of courses:
    Any Social Sciences Course (100 level or above)

Semester 3

16 Total Credits:

- Earned a minimum grade of C in each of the following:
  - MECH201 - AC/DC Circuits (4)
  - MECH251 - Motors and Motion Control (4)
  - MECH221 - Programmable Logic Control (4)
  - MECH231 - Process Control and Instrumentation (4)

Semester 4

15 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - MECH205 - Digital and Analog Circuits (4)
    - MECH271 - Computer Integrated Manufacturing (4)
    - MECH281 - Supervisory Control and Data Acquisition (SCADA) Systems (4)
  - Completed at least 3 credits from the following types of courses:
    Any Arts & Humanities Course (100 level or above)

Grand Total Credits: 63

Natural Sciences (AS-NSCI)

The curriculum in this program will allow students to complete a two year degree while fulfilling the coursework for the first two years of study towards a baccalaureate degree in one of four STEM fields of study. Students will have the option of choosing from one of four concentrations -- Biological Sciences, Engineering, Information and Computer Sciences, and Physical Sciences.

Leeward Community College Associate in Science in Natural Sciences (ASNS) with concentrations in Biological Sciences, Physical Sciences, Engineering, and Information and Computer Sciences Degree Requirements:

1. 60 credits, all in courses numbered 100 and above.

2. General education, concentration requirements, and electives, as indicated below.

3. 12 credits of the requirements earned from the Math and Sciences Division at Leeward CC.

4. One Hawaiian, Asian, Pacific (HAP) course.

5. Cumulative grade point average (GPA) of 2.0 or higher for all courses used to meet the degree requirement.

Grade requirements for courses depend on the student's major.

I. Foundation Written Communication (FW): 3 credits

ENG 100 Composition I (3) or equivalent

II. Foundation Quantitative Reasoning (FQ): 4 credits

MATH 241 Calculus I (4)

III. Foundation Global Multicultural Perspectives (FG): 6 credits

Courses must be from 2 different groups (FGA, FGB, FGC)

IV. Diversification Social Sciences (DS): 3 credits

Any DS

ECON 120 Introduction to Economics (3)*, ECON 130 Principles of Microeconomics (3)*, or ECON 131 Principles of Macroeconomics (3)*

***Recommended for Engineering**

V. Diversification Arts, Humanities, and Literature (DA/DH/DL): 3 credits

Any DA, DH, or DL

SP 251 Principles of Effective Public Speaking (3)*

***Option for Engineering only**

VI. Hawaiian Asian Pacific (HAP): 3 credits

VII. Diversification Physical and Biological Sciences (DB+DP+DY): 4-7 credits

CHEM 161 General Chemistry I (DP) (3) and CHEM 161L General Chemistry I Lab (DY) (1) are required

VIII. Concentration Requirements - Select one of the Natural Science Concentrations:

Biological Sciences: 22 credits

- **CHEM 162 General Chemistry II (3)**
- **CHEM 162L General Chemistry II Lab (1)**
- **BIOL 171 Introduction to Biology I (3)**
- **BIOL 171L Introduction to Biology I Lab (1)**
- **BIOL 172 Introduction to Biology II (3)**
- **BIOL 172L Introduction to Biology II Lab (1)**
- **CHEM 272 Organic Chemistry I (3)**
- **CHEM 272L Organic Chemistry I Lab (2)**
- **CHEM 273 + CHEM 273L Organic Chemistry II + Lab (5) or BIOL 275 + BIOL 275L Cell and Molecular Biology + Lab (5)**

Physical Sciences: 20 - 21 credits

- **CHEM 162 General Chemistry II (3)**
- **CHEM 162L General Chemistry II Lab (1)**
- **MATH 242 Calculus II (4)**
- **PHYS 170 General Physics I (4)**
- **PHYS 170L General Physics I Lab (1)**
- **One of the following options:**
    - **PHYS 272 + PHYS 272L General Physics II + Lab (4)***
    - **ERTH 101 + ERTH 101L Introduction to Geology + Lab (4)**
    - **CHEM 272 + CHEM 272L Organic Chemistry I + Lab (5)**
- **Any DB (3)**

***Not needed for UHM's Global Environmental Science Degrees**

Engineering: 28- 30 credits

- **CHEM 162 General Chemistry II (3)**
- **ECE 160 Programming for Engineers (4) or ICS 111 Introduction to Computer Science I (3, for Civil and Mechanical Engineering only)**
- **MATH 242 Calculus II (4)**
- **PHYS 170 General Physics I (4)**
- **PHYS 170L General Physics I Lab (1)**
- **PHYS 272 General Physics II (3)**
- **PHYS 272L General Physics II Lab (1)**
- **MATH 243 Calculus III (3)**
- **MATH 244 Calculus IV (3)**
- **ECE 211 Basic Circuit Analysis I (4) or CE 270 Applied Mechanics I (3)**

Information and Computer Sciences: 26 credits

- **CHEM 162 General Chemistry II (3)**
- **CHEM 162L General Chemistry II Lab (1)**
- **MATH 242 Calculus II (4)**
- **ICS 111 Introduction to Computer Science I (3)**

- **ICS 141 Discrete Mathematics for Computer Science I (3)**
- **ICS 211 Introduction to Computer Science II (3)**
- **ICS 212 Program Structure (3)**
- **ICS 241 Discrete Mathematics for Computer Science II (3)**
- **Any DB (3)**

IX. Optional Electives

Biological Sciences, Physical Sciences, and Information and Computer Sciences students may take up to four semesters of sequential Hawaiian or Second Language (HSL) courses.

If HSL courses do not meet the minimum elective credits, students must take extra electives from the list below to meet the 60-credit degree requirement.

X. Natural Science Electives - Select classes not chosen above and appropriate for your chosen baccalaureate degree.

AG 110, AG 110L, AG 112, AG 122, AG 141, AG 170, AG 170L, AG 200, AG 200L, AG 264, AG 269

ANTH 215, ANTH 215L

ASTR 110, ASTR 110L, ASTR 150

ATMO 101

BIOC 141

BIOL 100, BIOL 101, BIOL 101L, BIOL 124, BIOL 124L, BIOL 130, BIOL 130L, BIOL 171, BIOL 171L, BIOL 172, BIOL 172L, BIOL 200, BIOL 200L, BIOL 265, BIOL 265L, BIOL 275, BIOL 275L

BOT 101, BOT 101L, BOT 130, BOT 130L

CE 270, CE 271

CHEM 151, CHEM 151L, CHEM 162L, CHEM 272, CHEM 272L, CHEM 273, CHEM 273L

ECE 160, ECE 211, ECE 213, ECE 260, ECE 296

ERTH 101, ERTH 101L, ERTH 103, ERTH 111

FSHN 185

GEO 101, GEO 101L

HWST 281, HWST 281L

ICS 110P, ICS 111, ICS 141, ICS 211, ICS 212, ICS 215, ICS 241

MATH 242, MATH 243, MATH 244

ME 213

MICR 130, MICR 140L

OCN 101, OCN 102, OCN 105, OCN 201, OCN 201L

OEST 101

PHRM 203

PHYS 151*, PHYS 151L*, PHYS 152*, PHYS 152L* (*Biological Sciences and ICS only) PHYS 170, PHYS 170L, PHYS 272, PHYS 272L, PHYS 274

PHYL 141, PHYL 141L, PHYL 142, PHYL 142L

ZOOL 101, ZOOL 101L, ZOOL 200, ZOOL 200L

Other STEM courses as appropriate with approval

Total Credits: minimum 60

Important note: Appropriate course substitutions may be made with the prior written approval of both the appropriate Division Chair and Dean.

Semester 1

13 - 15Total Credits

- **Complete 1 of the following**
  Biological Sciences
  - **Complete all of the following**
    - **Completed the following:**
      - **CHEM161 - General Chemistry I (3)**
      - **CHEM161L - General Chemistry I Lab (1)**
      - **ENG100 - Composition I (3)**
      - **MATH241 - Calculus I (4.0)**
    - **Complete 1 of the following**
      - **Earned at least 4 credits from the following course sets:**
        AS-NSCI Electives
        - **AG110 - Hawai‘i Horticulture and Nutrition (3)**
        - **AG110L - Hawai‘i Horticulture and Nutrition Lab (1)**
        - **AG112 - Introduction to Organic Agriculture (4)**
        - **AG122 - Soil Technology (3)**
        - **AG141 - Integrated Pest Management (3)**
        - **AG170 - Introduction to Aquaponics (3)**
        - **AG170L - Introduction to Aquaponics Laboratory (1)**
        - **AG200 - Principles of Horticulture (3)**
        - **AG200L - Principles of Horticulture Lab (1)**
        - **AG264 - Plant Propagation (3)**
        - **AG269 - Ornamental Plant Materials (3)**

- ANTH215 - Biological Anthropology (3)
- ANTH215L - Biological Anthropology Lab (1)
- ASTR110 - Survey of Astronomy (3)
- ASTR110L - Survey of Astronomy Laboratory (1)
- ASTR150 - Voyage through the Solar System (3)
- ATMO101 - Introduction to Weather and Climate (3)
- BIOC141 - Fundamentals of Biochemistry (3)
- BIOL100 - Human Biology (3)
- BIOL101 - Biology and Society (3)
- BIOL101L - Biology and Society Lab (1)
- BIOL124 - Environment and Ecology (3)
- BIOL124L - Environment and Ecology Lab (1)
- BIOL130 - Anatomy and Physiology (4)
- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)

- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 4 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Physical Science

- Complete all of the following
  - Completed the following:
    - ENG100 - Composition I (3)
    - MATH241 - Calculus I (4.0)
    - CHEM161 - General Chemistry I (3)
    - CHEM161L - General Chemistry I Lab (1)
  - Complete 1 of the following
    - Earned at least 4 credits from the following course sets: AS-NSCI Electives
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
      - AG112 - Introduction to Organic Agriculture (4)
      - AG122 - Soil Technology (3)
      - AG141 - Integrated Pest Management (3)
      - AG170 - Introduction to Aquaponics (3)
      - AG170L - Introduction to Aquaponics Laboratory (1)
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)
      - AG264 - Plant Propagation (3)
      - AG269 - Ornamental Plant Materials (3)
      - ANTH215 - Biological Anthropology (3)
      - ANTH215L - Biological Anthropology Lab (1)
      - ASTR110 - Survey of Astronomy (3)
      - ASTR110L - Survey of Astronomy Laboratory (1)
      - ASTR150 - Voyage through the Solar System (3)
      - ATMO101 - Introduction to Weather and Climate (3)
      - BIOC141 - Fundamentals of Biochemistry (3)
      - BIOL100 - Human Biology (3)
      - BIOL101 - Biology and Society (3)
      - BIOL101L - Biology and Society Lab (1)
      - BIOL124 - Environment and Ecology (3)
      - BIOL124L - Environment and Ecology Lab (1)
      - BIOL130 - Anatomy and Physiology (4)
      - BIOL130L - Anatomy and Physiology Laboratory (1)
      - BIOL171 - Introduction to Biology I (3)
      - BIOL171L - Introduction to Biology I Lab (1)
      - BIOL172 - Introduction to Biology II (3)
      - BIOL172L - Introduction to Biology II Lab (1)
      - BIOL200 - Coral Reefs (3)
      - BIOL200L - Coral Reefs Lab (1)
      - BIOL265 - Ecology and Evolutionary Biology (3)
      - BIOL265L - Ecology and Evolutionary Biology Lab (1)
      - BIOL275 - Cell and Molecular Biology (3)
      - BIOL275L - Cell and Molecular Biology Lab (2)
      - BOT101 - General Botany (3)

- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)

- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 4 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Engineering

- Complete all of the following
  - Completed the following:
    - MATH241 - Calculus I (4.0)
    - CHEM161 - General Chemistry I (3)
    - CHEM161L - General Chemistry I Lab (1)
    - ENG100 - Composition I (3)
  - Completed at least 3 credits from the following types of courses: FG

Information and Computer Sciences

- Complete all of the following
  - Completed the following:
    - MATH241 - Calculus I (4.0)
    - ICS111 - Introduction to Computer Science I (3)
    - ICS141 - Discrete Mathematics for Computer Science I (3)
  - Complete 1 of the following
    - Earned at least 3 credits from the following course sets: AS-NSCI Electives
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
      - AG112 - Introduction to Organic Agriculture (4)
      - AG122 - Soil Technology (3)
      - AG141 - Integrated Pest Management (3)
      - AG170 - Introduction to Aquaponics (3)

- AG170L - Introduction to Aquaponics Laboratory (1)
- AG200 - Principles of Horticulture (3)
- AG200L - Principles of Horticulture Lab (1)
- AG264 - Plant Propagation (3)
- AG269 - Ornamental Plant Materials (3)
- ANTH215 - Biological Anthropology (3)
- ANTH215L - Biological Anthropology Lab (1)
- ASTR110 - Survey of Astronomy (3)
- ASTR110L - Survey of Astronomy Laboratory (1)
- ASTR150 - Voyage through the Solar System (3)
- ATMO101 - Introduction to Weather and Climate (3)
- BIOC141 - Fundamentals of Biochemistry (3)
- BIOL100 - Human Biology (3)
- BIOL101 - Biology and Society (3)
- BIOL101L - Biology and Society Lab (1)
- BIOL124 - Environment and Ecology (3)
- BIOL124L - Environment and Ecology Lab (1)
- BIOL130 - Anatomy and Physiology (4)
- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)

- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)

- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)
- Earned at least 3 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Semester 2

15 - 16Total Credits

- Complete 1 of the following
  Biological Sciences
  - Complete all of the following
    - Completed the following:
      - CHEM162 - General Chemistry II (3)
      - CHEM162L - General Chemistry II Lab (1)
      - BIOL171 - Introduction to Biology I (3)
      - BIOL171L - Introduction to Biology I Lab (1)
    - Completed at least 3 credits from the following types of courses:
      FG
    - Complete 1 of the following
      - Earned at least 4 credits from the following course sets:
        AS-NSCI Electives
        - AG110 - Hawai‘i Horticulture and Nutrition (3)
        - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
        - AG112 - Introduction to Organic Agriculture (4)
        - AG122 - Soil Technology (3)
        - AG141 - Integrated Pest Management (3)
        - AG170 - Introduction to Aquaponics (3)
        - AG170L - Introduction to Aquaponics Laboratory (1)
        - AG200 - Principles of Horticulture (3)
        - AG200L - Principles of Horticulture Lab (1)
        - AG264 - Plant Propagation (3)
        - AG269 - Ornamental Plant Materials (3)
        - ANTH215 - Biological Anthropology (3)
        - ANTH215L - Biological Anthropology Lab (1)
        - ASTR110 - Survey of Astronomy (3)
        - ASTR110L - Survey of Astronomy Laboratory (1)
        - ASTR150 - Voyage through the Solar System (3)
        - ATMO101 - Introduction to Weather and Climate (3)
        - BIOC141 - Fundamentals of Biochemistry (3)
        - BIOL100 - Human Biology (3)
        - BIOL101 - Biology and Society (3)
        - BIOL101L - Biology and Society Lab (1)
        - BIOL124 - Environment and Ecology (3)
        - BIOL124L - Environment and Ecology Lab (1)
        - BIOL130 - Anatomy and Physiology (4)

- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)

- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 4 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Physical Science

- Complete all of the following
  - Completed the following:
    - MATH242 - Calculus II (4.0)
    - CHEM162 - General Chemistry II (3)
    - CHEM162L - General Chemistry II Lab (1)
  - Completed at least 3 credits from the following types of courses: FG
  - Complete 1 of the following
    - Earned at least 4 credits from the following course sets: AS-NSCI Electives
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)

- AG112 - Introduction to Organic Agriculture (4)
- AG122 - Soil Technology (3)
- AG141 - Integrated Pest Management (3)
- AG170 - Introduction to Aquaponics (3)
- AG170L - Introduction to Aquaponics Laboratory (1)
- AG200 - Principles of Horticulture (3)
- AG200L - Principles of Horticulture Lab (1)
- AG264 - Plant Propagation (3)
- AG269 - Ornamental Plant Materials (3)
- ANTH215 - Biological Anthropology (3)
- ANTH215L - Biological Anthropology Lab (1)
- ASTR110 - Survey of Astronomy (3)
- ASTR110L - Survey of Astronomy Laboratory (1)
- ASTR150 - Voyage through the Solar System (3)
- ATMO101 - Introduction to Weather and Climate (3)
- BIOC141 - Fundamentals of Biochemistry (3)
- BIOL100 - Human Biology (3)
- BIOL101 - Biology and Society (3)
- BIOL101L - Biology and Society Lab (1)
- BIOL124 - Environment and Ecology (3)
- BIOL124L - Environment and Ecology Lab (1)
- BIOL130 - Anatomy and Physiology (4)
- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)

- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)

- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 4 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Engineering

- Complete all of the following
  - Completed the following:
    - MATH242 - Calculus II (4.0)
    - CHEM162 - General Chemistry II (3)
    - PHYS170L - General Physics I Lab (1)
    - PHYS170 - General Physics I (4)
  - Completed at least 3 credits from the following types of courses: FG

Information and Computer Sciences

- Complete all of the following
  - Completed the following:
    - MATH242 - Calculus II (4.0)
    - ICS211 - Introduction to Computer Science II (3)
    - ICS241 - Discrete Mathematics for Computer Science II (3)
    - ENG100 - Composition I (3)
  - Complete 1 of the following
    - Earned at least 3 credits from the following course sets: AS-NSCI Electives
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
      - AG112 - Introduction to Organic Agriculture (4)
      - AG122 - Soil Technology (3)
      - AG141 - Integrated Pest Management (3)
      - AG170 - Introduction to Aquaponics (3)
      - AG170L - Introduction to Aquaponics Laboratory (1)
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)
      - AG264 - Plant Propagation (3)
      - AG269 - Ornamental Plant Materials (3)
      - ANTH215 - Biological Anthropology (3)
      - ANTH215L - Biological Anthropology Lab (1)
      - ASTR110 - Survey of Astronomy (3)
      - ASTR110L - Survey of Astronomy Laboratory (1)
      - ASTR150 - Voyage through the Solar System (3)
      - ATMO101 - Introduction to Weather and Climate (3)

- BIOC141 - Fundamentals of Biochemistry (3)
- BIOL100 - Human Biology (3)
- BIOL101 - Biology and Society (3)
- BIOL101L - Biology and Society Lab (1)
- BIOL124 - Environment and Ecology (3)
- BIOL124L - Environment and Ecology Lab (1)
- BIOL130 - Anatomy and Physiology (4)
- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)

- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 3 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Semester 3

14 - 19Total Credits

- Complete 1 of the following
  Biological Sciences

- Complete all of the following
  - Completed the following:
    - CHEM272 - Organic Chemistry I (3)
    - CHEM272L - Organic Chemistry I Lab (2)
    - BIOL172 - Introduction to Biology II (3)
    - BIOL172L - Introduction to Biology II Lab (1)
  - Completed at least 3 credits from the following types of courses: DA/DH/DL. Recommended HWST 107 (HAP)
  - Complete 1 of the following
    - Earned at least 3 credits from the following course sets: AS-NSCI Electives
      - AG110 - Hawai'i Horticulture and Nutrition (3)
      - AG110L - Hawai'i Horticulture and Nutrition Lab (1)
      - AG112 - Introduction to Organic Agriculture (4)
      - AG122 - Soil Technology (3)
      - AG141 - Integrated Pest Management (3)
      - AG170 - Introduction to Aquaponics (3)
      - AG170L - Introduction to Aquaponics Laboratory (1)
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)
      - AG264 - Plant Propagation (3)
      - AG269 - Ornamental Plant Materials (3)
      - ANTH215 - Biological Anthropology (3)
      - ANTH215L - Biological Anthropology Lab (1)
      - ASTR110 - Survey of Astronomy (3)
      - ASTR110L - Survey of Astronomy Laboratory (1)
      - ASTR150 - Voyage through the Solar System (3)
      - ATMO101 - Introduction to Weather and Climate (3)
      - BIOC141 - Fundamentals of Biochemistry (3)
      - BIOL100 - Human Biology (3)
      - BIOL101 - Biology and Society (3)
      - BIOL101L - Biology and Society Lab (1)
      - BIOL124 - Environment and Ecology (3)
      - BIOL124L - Environment and Ecology Lab (1)
      - BIOL130 - Anatomy and Physiology (4)
      - BIOL130L - Anatomy and Physiology Laboratory (1)
      - BIOL171 - Introduction to Biology I (3)
      - BIOL171L - Introduction to Biology I Lab (1)
      - BIOL172 - Introduction to Biology II (3)
      - BIOL172L - Introduction to Biology II Lab (1)
      - BIOL200 - Coral Reefs (3)
      - BIOL200L - Coral Reefs Lab (1)
      - BIOL265 - Ecology and Evolutionary Biology (3)
      - BIOL265L - Ecology and Evolutionary Biology Lab (1)
      - BIOL275 - Cell and Molecular Biology (3)

- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)

- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 3 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Physical Science

- Complete all of the following
  - Completed the following:
    - PHYS170 - General Physics I (4)
    - PHYS170L - General Physics I Lab (1)
  - Complete 1 of the following
    - Earned at least 3 credits from the following course sets:

      AS-NSCI Electives
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
      - AG112 - Introduction to Organic Agriculture (4)
      - AG122 - Soil Technology (3)
      - AG141 - Integrated Pest Management (3)
      - AG170 - Introduction to Aquaponics (3)
      - AG170L - Introduction to Aquaponics Laboratory (1)
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)
      - AG264 - Plant Propagation (3)
      - AG269 - Ornamental Plant Materials (3)
      - ANTH215 - Biological Anthropology (3)
      - ANTH215L - Biological Anthropology Lab (1)
      - ASTR110 - Survey of Astronomy (3)
      - ASTR110L - Survey of Astronomy Laboratory (1)

- ASTR150 - Voyage through the Solar System (3)
- ATMO101 - Introduction to Weather and Climate (3)
- BIOC141 - Fundamentals of Biochemistry (3)
- BIOL100 - Human Biology (3)
- BIOL101 - Biology and Society (3)
- BIOL101L - Biology and Society Lab (1)
- BIOL124 - Environment and Ecology (3)
- BIOL124L - Environment and Ecology Lab (1)
- BIOL130 - Anatomy and Physiology (4)
- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)

- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 3 credits from FIL, HAW, JPN, KOR, SPAN, or FR

- Completed at least 3 credits from the following types of courses: DB
- Completed at least 3 credits from the following types of courses: DS

Engineering

- Complete all of the following
  - Completed the following:
    - MATH243 - Calculus III (3.0)
    - PHYS272 - General Physics II (3)
    - PHYS272L - General Physics II Lab (1)
    - ECE160 - Programming for Engineers (4)
  - Complete 1 of the following
    - Completed the following:
      - CE270 - Applied Mechanics I (3)
    - Completed the following:
      - ECE211 - Basic Circuit Analysis I (4)
  - Completed at least 3 credits from the following types of courses: DS. Recommended ECON 120, ECON 130 or ECON 131.

Information and Computer Sciences

- Complete all of the following
  - Completed the following:
    - ICS212 - Program Structure (3)
    - CHEM161 - General Chemistry I (3)
    - CHEM161L - General Chemistry I Lab (1)
  - Completed at least 3 credits from the following types of courses: FG
  - Completed at least 3 credits from the following types of courses: DB
  - Complete all of the following
    - Earned at least 3 credits from the following course sets: AS-NSCI Electives
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
      - AG112 - Introduction to Organic Agriculture (4)
      - AG122 - Soil Technology (3)
      - AG141 - Integrated Pest Management (3)
      - AG170 - Introduction to Aquaponics (3)
      - AG170L - Introduction to Aquaponics Laboratory (1)
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)
      - AG264 - Plant Propagation (3)
      - AG269 - Ornamental Plant Materials (3)
      - ANTH215 - Biological Anthropology (3)
      - ANTH215L - Biological Anthropology Lab (1)
      - ASTR110 - Survey of Astronomy (3)
      - ASTR110L - Survey of Astronomy Laboratory (1)
      - ASTR150 - Voyage through the Solar System (3)

- ATMO101 - Introduction to Weather and Climate (3)
- BIOC141 - Fundamentals of Biochemistry (3)
- BIOL100 - Human Biology (3)
- BIOL101 - Biology and Society (3)
- BIOL101L - Biology and Society Lab (1)
- BIOL124 - Environment and Ecology (3)
- BIOL124L - Environment and Ecology Lab (1)
- BIOL130 - Anatomy and Physiology (4)
- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)

- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 3 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Semester 4

13 - 15Total Credits

- Complete 1 of the following
  Biological Sciences

- Complete all of the following
  - Complete 1 of the following
    - Completed the following:
      - BIOL275 - Cell and Molecular Biology (3)
      - BIOL275L - Cell and Molecular Biology Lab (2)
    - Completed the following:
      - CHEM273 - Organic Chemistry II (3)
      - CHEM273L - Organic Chemistry II Lab (2)
  - Completed at least 3 credits from the following types of courses: DS
  - Completed at least 3 credits from the following types of courses: FG
  - Complete 1 of the following
    - Earned at least 3 credits from the following course sets: AS-NSCI Electives
      - AG110 - Hawai'i Horticulture and Nutrition (3)
      - AG110L - Hawai'i Horticulture and Nutrition Lab (1)
      - AG112 - Introduction to Organic Agriculture (4)
      - AG122 - Soil Technology (3)
      - AG141 - Integrated Pest Management (3)
      - AG170 - Introduction to Aquaponics (3)
      - AG170L - Introduction to Aquaponics Laboratory (1)
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)
      - AG264 - Plant Propagation (3)
      - AG269 - Ornamental Plant Materials (3)
      - ANTH215 - Biological Anthropology (3)
      - ANTH215L - Biological Anthropology Lab (1)
      - ASTR110 - Survey of Astronomy (3)
      - ASTR110L - Survey of Astronomy Laboratory (1)
      - ASTR150 - Voyage through the Solar System (3)
      - ATMO101 - Introduction to Weather and Climate (3)
      - BIOC141 - Fundamentals of Biochemistry (3)
      - BIOL100 - Human Biology (3)
      - BIOL101 - Biology and Society (3)
      - BIOL101L - Biology and Society Lab (1)
      - BIOL124 - Environment and Ecology (3)
      - BIOL124L - Environment and Ecology Lab (1)
      - BIOL130 - Anatomy and Physiology (4)
      - BIOL130L - Anatomy and Physiology Laboratory (1)
      - BIOL171 - Introduction to Biology I (3)
      - BIOL171L - Introduction to Biology I Lab (1)
      - BIOL172 - Introduction to Biology II (3)
      - BIOL172L - Introduction to Biology II Lab (1)

- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)

- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at at least 3 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Physical Science

- Complete all of the following
  - Complete 1 of the following
    - Completed the following:
      - PHYS272 - General Physics II (3)
      - PHYS272L - General Physics II Lab (1)
    - Completed the following:
      - ERTH101 - Introduction to Geology (3)
      - ERTH101L - Introduction to Geology Lab (1)
    - Completed the following:
      - CHEM272 - Organic Chemistry I (3)
      - CHEM272L - Organic Chemistry I Lab (2)
  - Completed at least 3 credits from the following types of courses: DA/DH/DL. Recommended HWST 107 (HAP)
  - Completed at least 3 credits from the following types of courses: FG

Group

- Complete 1 of the following
  - Earned at least 3 credits from the following course sets:
    AS-NSCI Electives
    - AG110 - Hawai‘i Horticulture and Nutrition (3)
    - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
    - AG112 - Introduction to Organic Agriculture (4)
    - AG122 - Soil Technology (3)
    - AG141 - Integrated Pest Management (3)
    - AG170 - Introduction to Aquaponics (3)
    - AG170L - Introduction to Aquaponics Laboratory (1)
    - AG200 - Principles of Horticulture (3)
    - AG200L - Principles of Horticulture Lab (1)
    - AG264 - Plant Propagation (3)
    - AG269 - Ornamental Plant Materials (3)
    - ANTH215 - Biological Anthropology (3)
    - ANTH215L - Biological Anthropology Lab (1)
    - ASTR110 - Survey of Astronomy (3)
    - ASTR110L - Survey of Astronomy Laboratory (1)
    - ASTR150 - Voyage through the Solar System (3)
    - ATMO101 - Introduction to Weather and Climate (3)
    - BIOC141 - Fundamentals of Biochemistry (3)
    - BIOL100 - Human Biology (3)
    - BIOL101 - Biology and Society (3)
    - BIOL101L - Biology and Society Lab (1)
    - BIOL124 - Environment and Ecology (3)
    - BIOL124L - Environment and Ecology Lab (1)
    - BIOL130 - Anatomy and Physiology (4)
    - BIOL130L - Anatomy and Physiology Laboratory (1)
    - BIOL171 - Introduction to Biology I (3)
    - BIOL171L - Introduction to Biology I Lab (1)
    - BIOL172 - Introduction to Biology II (3)
    - BIOL172L - Introduction to Biology II Lab (1)
    - BIOL200 - Coral Reefs (3)
    - BIOL200L - Coral Reefs Lab (1)
    - BIOL265 - Ecology and Evolutionary Biology (3)
    - BIOL265L - Ecology and Evolutionary Biology Lab (1)
    - BIOL275 - Cell and Molecular Biology (3)
    - BIOL275L - Cell and Molecular Biology Lab (2)
    - BOT101 - General Botany (3)
    - BOT101L - General Botany Lab (1)
    - BOT130 - Plants in the Hawaiian Environment (3)
    - BOT130L - Plants in the Hawaiian Environment Lab (1)
    - CE270 - Applied Mechanics I (3)
    - CE271 - Applied Mechanics II (3)
    - CHEM151 - Elementary Survey of Chemistry (3)

- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)

- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

- Earned at least 3 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Engineering

- Complete all of the following
  - Completed the following:
    - MATH244 - Calculus IV (3)
  - Completed at least 3 credits from the following types of courses: DA/DH/DL. Recommended HWST 107 (HAP)
  - Earned at least 8 credits from the following course sets: AS-NSCI Electives
    - AG110 - Hawai‘i Horticulture and Nutrition (3)
    - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
    - AG112 - Introduction to Organic Agriculture (4)
    - AG122 - Soil Technology (3)
    - AG141 - Integrated Pest Management (3)
    - AG170 - Introduction to Aquaponics (3)
    - AG170L - Introduction to Aquaponics Laboratory (1)
    - AG200 - Principles of Horticulture (3)
    - AG200L - Principles of Horticulture Lab (1)
    - AG264 - Plant Propagation (3)
    - AG269 - Ornamental Plant Materials (3)
    - ANTH215 - Biological Anthropology (3)
    - ANTH215L - Biological Anthropology Lab (1)
    - ASTR110 - Survey of Astronomy (3)
    - ASTR110L - Survey of Astronomy Laboratory (1)
    - ASTR150 - Voyage through the Solar System (3)
    - ATMO101 - Introduction to Weather and Climate (3)
    - BIOC141 - Fundamentals of Biochemistry (3)
    - BIOL100 - Human Biology (3)
    - BIOL101 - Biology and Society (3)
    - BIOL101L - Biology and Society Lab (1)
    - BIOL124 - Environment and Ecology (3)
    - BIOL124L - Environment and Ecology Lab (1)

- BIOL130 - Anatomy and Physiology (4)
- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)
- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)

- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)
- PHYS272 - General Physics II (3)
- PHYS272L - General Physics II Lab (1)
- PHYS274 - General Physics III (3)
- PHYL141 - Human Anatomy and Physiology I (3)
- PHYL141L - Human Anatomy and Physiology I Lab (1)
- PHYL142 - Human Anatomy and Physiology II (3)
- PHYL142L - Human Anatomy and Physiology II Lab (1)
- ZOOL101 - Principles of Zoology (3)
- ZOOL101L - Principles of Zoology Lab (1)
- ZOOL200 - Marine Biology (3)
- ZOOL200L - Marine Biology Lab (1)

Information and Computer Sciences

- Complete all of the following
  - Completed the following:
    - CHEM162 - General Chemistry II (3)
    - CHEM162L - General Chemistry II Lab (1)
  - Completed at least 3 credits from the following types of courses: DS
  - Completed at least 3 credits from the following types of courses: FG
  - Completed at least 3 credits from the following types of courses: DA/DH/DL. Recommended HWST 107 (HAP)
  - Complete 1 of the following
    - Earned at least 2 credits from the following course sets:

AS-NSCI Electives

- AG110 - Hawai'i Horticulture and Nutrition (3)
- AG110L - Hawai'i Horticulture and Nutrition Lab (1)
- AG112 - Introduction to Organic Agriculture (4)
- AG122 - Soil Technology (3)
- AG141 - Integrated Pest Management (3)
- AG170 - Introduction to Aquaponics (3)
- AG170L - Introduction to Aquaponics Laboratory (1)
- AG200 - Principles of Horticulture (3)
- AG200L - Principles of Horticulture Lab (1)
- AG264 - Plant Propagation (3)
- AG269 - Ornamental Plant Materials (3)
- ANTH215 - Biological Anthropology (3)
- ANTH215L - Biological Anthropology Lab (1)
- ASTR110 - Survey of Astronomy (3)
- ASTR110L - Survey of Astronomy Laboratory (1)
- ASTR150 - Voyage through the Solar System (3)
- ATMO101 - Introduction to Weather and Climate (3)
- BIOC141 - Fundamentals of Biochemistry (3)
- BIOL100 - Human Biology (3)
- BIOL101 - Biology and Society (3)
- BIOL101L - Biology and Society Lab (1)
- BIOL124 - Environment and Ecology (3)
- BIOL124L - Environment and Ecology Lab (1)
- BIOL130 - Anatomy and Physiology (4)
- BIOL130L - Anatomy and Physiology Laboratory (1)
- BIOL171 - Introduction to Biology I (3)
- BIOL171L - Introduction to Biology I Lab (1)
- BIOL172 - Introduction to Biology II (3)
- BIOL172L - Introduction to Biology II Lab (1)
- BIOL200 - Coral Reefs (3)
- BIOL200L - Coral Reefs Lab (1)
- BIOL265 - Ecology and Evolutionary Biology (3)
- BIOL265L - Ecology and Evolutionary Biology Lab (1)
- BIOL275 - Cell and Molecular Biology (3)
- BIOL275L - Cell and Molecular Biology Lab (2)
- BOT101 - General Botany (3)
- BOT101L - General Botany Lab (1)
- BOT130 - Plants in the Hawaiian Environment (3)
- BOT130L - Plants in the Hawaiian Environment Lab (1)
- CE270 - Applied Mechanics I (3)
- CE271 - Applied Mechanics II (3)
- CHEM151 - Elementary Survey of Chemistry (3)
- CHEM151L - Elementary Survey of Chemistry Lab (1)
- CHEM162L - General Chemistry II Lab (1)

- CHEM272 - Organic Chemistry I (3)
- CHEM272L - Organic Chemistry I Lab (2)
- CHEM273 - Organic Chemistry II (3)
- CHEM273L - Organic Chemistry II Lab (2)
- ECE160 - Programming for Engineers (4)
- ECE211 - Basic Circuit Analysis I (4)
- ECE213 - Basic Circuit Analysis II (4)
- ECE260 - Introduction to Digital Design (4)
- ECE296 - Sophomore Project (1 - 3)
- ERTH101 - Introduction to Geology (3)
- ERTH101L - Introduction to Geology Lab (1)
- ERTH103 - Geology of the Hawaiian Islands (3)
- ERTH111 - Introduction to Volcanoes (3)
- FSHN185 - The Science of Human Nutrition (3)
- GEO101 - The Natural Environment (3)
- GEO101L - The Natural Environment Lab (1)
- HWST281 - Hoʻokele I: Hawaiian Astronomy and Weather (3)
- HWST281L - Hoʻokele I: Hawaiian Astronomy and Weather Lab (1)
- ICS110P - Introduction to Programming (3)
- ICS111 - Introduction to Computer Science I (3)
- ICS141 - Discrete Mathematics for Computer Science I (3)
- ICS211 - Introduction to Computer Science II (3)
- ICS212 - Program Structure (3)
- ICS215 - Introduction to Scripting (3)
- ICS241 - Discrete Mathematics for Computer Science II (3)
- MATH242 - Calculus II (4.0)
- MATH243 - Calculus III (3.0)
- MATH244 - Calculus IV (3)
- ME213 - Introduction to Engineering Design (3)
- MICR130 - General Microbiology (3)
- MICR140L - General Microbiology Lab (2)
- OCN101 - Introduction to Marine Option Program (1)
- OCN102 - Introduction to the Environment, Climate Change, and Sustainability (3)
- OCN105 - Sustainability in a Changing World (3)
- OCN201 - Science of the Sea (3)
- OCN201L - Science of the Sea Laboratory (1)
- OEST101 - Natural Hazards (3)
- PHRM203 - General Pharmacology (3)
- PHYS151 - College Physics I (3)
- PHYS151L - College Physics I Lab (1)
- PHYS152 - College Physics II (3)
- PHYS152L - College Physics II Lab (1)
- PHYS170 - General Physics I (4)
- PHYS170L - General Physics I Lab (1)

        - PHYS272 - General Physics II (3)
        - PHYS272L - General Physics II Lab (1)
        - PHYS274 - General Physics III (3)
        - PHYL141 - Human Anatomy and Physiology I (3)
        - PHYL141L - Human Anatomy and Physiology I Lab (1)
        - PHYL142 - Human Anatomy and Physiology II (3)
        - PHYL142L - Human Anatomy and Physiology II Lab (1)
        - ZOOL101 - Principles of Zoology (3)
        - ZOOL101L - Principles of Zoology Lab (1)
        - ZOOL200 - Marine Biology (3)
        - ZOOL200L - Marine Biology Lab (1)
    - Earned at least 2 credits from FIL, FR, HAW, JPN, KOR, or SPAN

Grand Total Credits: 55 - 65

Sustainable Agriculture (AS-AGSU)

This degree will prepare students for various careers in agriculture through hands-on practice and classroom instruction. Students will gain fundamental skills, knowledge and experiences in sustainable crop production, pest management, business principles, food systems, agriculture, and the environment.

Each AG and BOT course must be completed with a grade of "C" or better.

1) AG Concentration Requirements: minimum 24 credits

- **AG 100 Orientation to Hawai'i Agriculture Industry (1)**
- **AG 104 Food Safety & Post-Harvest Handling (1)**
- **AG 122 Soil Technology (3)**
- **AG 141 Integrated Pest Management (3)**
- **AG 200 + AG 200L Principles of Horticulture + Lab (4)**
- **AG 264 Plant Propagation (3)**
- **Complete one of the following options:**
    - **BOT 101 + BOT 101L General Botany + Lab (4)**
    - **BOT 130 + BOT 130L Plants in the Hawaiian Environment + Lab (4)**
    - **AG 110 + AG 110L Hawai'i Horticulture and Nutrition + Lab (4)**
- **Complete one of the following options:**
    - **AG 112 Introduction to Organic Agriculture (4)***
    - **AG 251 Sustainable Crop Production (4)***
- **AG 293V Sustainable Agriculture Internship (1-4)**

2) Foundation Written Communication (FW): 3 credits

- **Any FW designated course numbered 100 or above**

3) Quantitative Reasoning (FQ): 3 credits

- **MATH 100 Survey of Mathematics (3), or MATH 103 College Algebra (3), or any higher MATH FQ designated course**

4) Foundation Global Multicultural Perspectives (FG): 6 credits required from 2 different groups

- **FGA: HIST 151 World History to 1500 (3) (recommended)**
- **FGB**
- **FGC**

5) Diversification Social Sciences (DS): 3 credits

- **SOC 151 Introduction to Sociology of Food (3) (recommended) or other DS course**

6) Diversification Arts, Humanities, and Literature (DA/DH/DL): 3 credits

- **HWST 107 Hawai'i: Center of the Pacific (3) (recommended) or other DA/DH/DL course**

7) Diversification Physical (DP+DY): 4 credits

- **CHEM 151 + CHEM 151L Elementary Survey of Chemistry + Lab (4), or CHEM 161 + CHEM 161L General Chemistry I + Lab (4), or GEO 101 + GEO 101L The Natural Environment + Lab (4)**

8) Additional Requirements: 6 credits

- **Complete one of the following courses: 3 credits**
  - **BUS 101 Business Info Systems (3), or ICS 101 Digital Tools for the Information World (3), or higher ICS course.**
- **Complete one of the following courses: 3 credits**
  - **ENT 125 Starting a Business (3) or BUSN 164 Career Success (3) (recommended) or any other 3-credit Business course (ACC, BLAW, BUS, BUSN, ENT, MGT, MKT)**

9) AG Electives: minimum 6 credits

- **AG 112 Introduction to Organic Agriculture (4)* or AG 251 Sustainable Crop Production (4)***
- **AG 170 + AG 170L Introduction to Aquaponics + Lab (4)**
- **AG 259 Greenhouse Production (3)**
- **AG 260 Tropical Landscape (4)**
- **AG 267 Introduction to Beekeeping (3)**
- **AG 269 Ornamental Plant Materials (3)**
- **AQUA 254 Nutrition of Aquatic Organisms (3)**
- **AQUA 262 + AQUA 262L Introduction to Aquaculture + Lab (4)**

Total credits: minimum 60

***When AG 112 or AG 251 is used to count as a concentration requirement, it cannot also count as an elective.**

The program is organized in an order that allows the student to build a foundation (CO = 12-13 credits; CA minimum 27 credits; AS = minimum 60 credits) and progress through a recommended group of courses. Courses with required knowledge have prerequisites, and the counselors will have the program information to guide the student into the proper course sequence.

Students who have earned 58 or 59 credits are required to earn the remainder of the 60 credits from either the AG Concentration Requirements or AG Electives.

Semester 1

14 - 15Total Credits

- **Complete all of the following**
  - **Foundation Written Communication (FW)**
  - **Complete 1 of the following**
    - **Completed the following:**
      - **ENG100 - Composition I (3)**
    - **Completed the following:**
      - **ENG100E - Composition I (3)**
    - **Completed at least 3 credits from the following types of courses: Any FW course numbered 100 or above.**
  - **Foundation Symbolic Reasoning (FS)**
  - **Complete 1 of the following**
    - **Completed the following:**
      - **MATH100 - Survey of Mathematics (3)**
    - **Completed the following:**
      - **MATH103 - College Algebra (3)**
    - **Completed at least 3 credits from the following types of courses: Any MATH FQ-designated course numbered higher than 103.**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **BOT101 - General Botany (3)**
      - **BOT101L - General Botany Lab (1)**
    - **Earned a minimum grade of C in each of the following:**
      - **BOT130 - Plants in the Hawaiian Environment (3)**
      - **BOT130L - Plants in the Hawaiian Environment Lab (1)**
    - **Earned a minimum grade of C in each of the following:**
      - **AG110 - Hawai‘i Horticulture and Nutrition (3)**
      - **AG110L - Hawai‘i Horticulture and Nutrition Lab (1)**

- Earned a minimum grade of C in each of the following:
  - AG100 - Orientation to Hawai‘i Agriculture Industry (1)

Electives

- Complete 1 of the following
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - AG112 - Introduction to Organic Agriculture (4)
    - Earned a minimum grade of C in each of the following:
      - AG251 - Sustainable Crop Production (4)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - AG170 - Introduction to Aquaponics (3)
      - AG170L - Introduction to Aquaponics Laboratory (1)
    - Earned a minimum grade of C in each of the following:
      - AG259 - Greenhouse Production (3)
    - Earned a minimum grade of C in each of the following:
      - AG260 - Tropical Landscape (4)
    - Earned a minimum grade of C in each of the following:
      - AG267 - Introduction to Beekeeping (3)
    - Earned a minimum grade of C in each of the following:
      - AG269 - Ornamental Plant Materials (3)
    - Earned a minimum grade of C in each of the following:
      - AQUA254 - Nutrition of Aquatic Organisms (3)
    - Earned a minimum grade of in each of the following:
      - AQUA262 - Introduction to Aquaculture (3)
      - AQUA262L - Introduction to Aquaculture Lab (1)

Semester 2

15 Total Credits:

- Complete all of the following
  - Complete 1 of the following
    - Completed the following:
      - CHEM151 - Elementary Survey of Chemistry (3)
      - CHEM151L - Elementary Survey of Chemistry Lab (1)
    - Completed the following:
      - CHEM161 - General Chemistry I (3)
      - CHEM161L - General Chemistry I Lab (1)
    - Completed the following:
      - GEO101 - The Natural Environment (3)

        - GEO101L - The Natural Environment Lab (1)
    - Complete 1 of the following
        - Completed the following:
            - ICS101 - Digital Tools for the Information World (3)
        - Completed the following:
            - BUS101 - Business Info Systems (3)
        - Completed at least 3 credits from the following types of courses:
          Any ICS course numbered higher than 101.
    - Complete 1 of the following
        - Earned a minimum grade of C in each of the following:
            - AG112 - Introduction to Organic Agriculture (4)
        - Earned a minimum grade of C in each of the following:
            - AG251 - Sustainable Crop Production (4)
    - Earned a minimum grade of C in each of the following:
        - AG200 - Principles of Horticulture (3)
        - AG200L - Principles of Horticulture Lab (1)

Semester 3

16 Total Credits:

- Complete all of the following
    - Completed at least 3 credits from the following types of courses:
      Any FG course
    - Earned a minimum grade of C in each of the following:
        - AG104 - Food Safety & Post-Harvest Handling (1)
        - AG122 - Soil Technology (3)
        - AG141 - Integrated Pest Management (3)
    - Complete 1 of the following
        - Completed the following:
            - HWST107 - Hawai'i: Center of the Pacific (3)
        - Completed at least 3 credits from the following types of courses:
          Any DA/DH/DL course
    - Complete 1 of the following
        - Completed the following:
            - ENT125 - Starting a Business (3)
        - Completed the following:
            - BUSN164 - Career Success (3)
        - Earned at least 3 credits from ACC, BLAW, BUS, BUSN, ENT, MGT, or MKT

Semester 4

13 - 17Total Credits

- Complete all of the following
  - Completed at least 3 credits from the following types of courses:
    Any FG course
  - Complete 1 of the following
    - Completed the following:
      - SOC151 - Introduction to Sociology of Food (3)
    - Completed at least 3 credits from the following types of courses:
      Any DS course
  - Earned a minimum grade of C in each of the following:
    - AG264 - Plant Propagation (3)
    - AG293V - Sustainable Agriculture Internship (1 - 4)

  Electives
  - Complete 1 of the following
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - AG112 - Introduction to Organic Agriculture (4)
      - Earned a minimum grade of C in each of the following:
        - AG251 - Sustainable Crop Production (4)
    - Complete 1 of the following
      - Earned a minimum grade of C in each of the following:
        - AG170 - Introduction to Aquaponics (3)
        - AG170L - Introduction to Aquaponics Laboratory (1)
      - Earned a minimum grade of C in each of the following:
        - AG259 - Greenhouse Production (3)
      - Earned a minimum grade of C in each of the following:
        - AG260 - Tropical Landscape (4)
      - Earned a minimum grade of C in each of the following:
        - AG267 - Introduction to Beekeeping (3)
      - Earned a minimum grade of C in each of the following:
        - AG269 - Ornamental Plant Materials (3)
      - Earned a minimum grade of C in each of the following:
        - AQUA254 - Nutrition of Aquatic Organisms (3)
      - Earned a minimum grade of C in each of the following:
        - AQUA262 - Introduction to Aquaculture (3)

- AQUA262L - Introduction to Aquaculture Lab (1)

Grand Total Credits: 58 - 63

Teaching (AS-TCH2)

The Associate in Science in Teaching (AST) degree program seeks to improve equity and access to teacher education for underrepresented groups and non-traditional students. The program seeks to address the critical teacher shortage in the state of Hawai`i by providing quality pre-service teachers who are locally educated and culturally sensitive to schools in their own communities. The AST can be considered a terminal degree, as graduates are prepared to enter the Hawai'i Department of Education (HIDOE) as "highly qualified" Educational Assistants (EAs), Paraprofessional Educators (PPEs), and Paraprofessional Tutors (PPTs). The degree is also considered transfer as graduates enter bachelor's degree programs at the university level.

Students must earn a C or better grade for all core ED courses. Students must earn a cumulative 2.0 GPR or better for all courses used to meet AS degree requirements.

I. Core Education Requirements: 13 credits

- **ED 277 Introduction to Multicultural Education (3)**
- **ED 285 Classroom Management in the Instructional Process (3)**
- **ED 290 Foundations of Education (3)**
- **ED 291 Developing Language and Literacy I (3)**
- **ED 295 Field Experience in Education (1)**

II. Education Electives: minimum 9 credits*

- **ED 100 Introduction to Education and Teaching (3)**
- **ED 237 Indigenous Perspectives in Teaching (3)**
- **ED 279 Educational Media and Technology (3)**
- **ED 282 Collaboration: Roles and Responsibilities as a Member of the Multidisciplinary Team (3)**
- **ED 282C Collaboration and Teaming Practicum (1)**
- **ED 283 Family-Professional Partnerships in Education (3)**
- **ED 284 Foundations of Inclusion in Teaching (3)**
- **ED 289 Educational Psychology (3)**
- **ED 296 Introduction to Art, Music and Creative Movement in the Classroom (3)**
- **HAW 101 Elementary Hawaiian I (4)**
- **MATH 111 Math for Elementary Education Teachers I (3)**

*** *Students pursuing secondary education may opt to choose up to three (3) content courses (9 credits) in their chosen discipline. For example: Math, Science, English, Music, Social Sciences, Art, etc. or a mixture of content courses and ED electives.***

III. General Education Foundations and Diversifications: 25 credits

- **FW: ENG 100 Composition I (3) or ENG 100E Composition I (3) or any approved FW course: 3 credits**
- **FQ: PHIL 111 Intro to Inductive Logic (3), or MATH 100 Survey of Mathematics (3), MATH 103 College Algebra (3), MATH 112 Math for Elementary Teachers II (3) or higher MATH course or any approved FQ course: 3 credits**
- **FG: One course from two different groups of approved FG courses: 6 credits**
  - **A. ANTH 151, ART 175, HIST 151**
  - **B. ANTH 152, ART 176, HIST 152, GEO 102**
  - **C. GEO 151, MUS 107, REL 150**
- **Diversification Arts (DA): 3 credits**
- **Diversification Social Sciences (DS), not from PSY discipline: 3 credits**
- **Diversification Natural Sciences: 7 credits**
  - **Diversification Biological Science (DB) (3 credits)**
  - **Diversification Physical Science (DP) (3 credits)**
  - **Diversification Science Laboratory (DY), lab must match the DB or DY course (1 credit)**

IV.Graduation Requirements: 15 credits

- **ENG 200 Composition II (3)**
- **HWST 107 Hawai'i: Center of the Pacific (3)**
- **PSY 100 Survey of Psychology (3)**
- **PSY 240 Developmental Psychology (3) or HDFS 230 Human Development (3)**
- **SP 151 Personal and Public Speech (3) or SP 251 Principles of Effective Public Speaking (3) or COM 210H Intercultural Communication (3)**

Total credits: 62

The Associate in Science in Teaching (AST) degree provides the opportunity for students to jump start their professional teaching career path by offering education courses embedded with field experiences in education which blends theory with practical application. The AST degree is 62 credits which includes a rigorous core of pre-professional education and general education courses, development, and presentation of a teaching portfolio aligned with the Hawai'i Teacher Standards Board standards demonstrating effective teaching practice. The AST program is designed to be flexible with courses offered statewide via distance learning and in person at the Leeward CC Pearl City and Leeward CC Wai'anae Moku campuses.

See AST counselor for details. The AST program has a dedicated counselor who meets with students regularly to provide advising and counseling services. Students are encouraged to take at least one to two education courses each semester (along with three to four liberal arts courses). Our counselor also advises students regarding career readiness directing them to Career Central (preparation for applying to the HIDOE) and/or transfer options and works with students to develop customized academic and transition plans.

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **ED291 - Developing Language and Literacy I (3)**
    - **ED277 - Introduction to Multicultural Education (3)**
  - **Completed the following:**
    - **PSY100 - Survey of Psychology (3)**
  - **Complete 1 of the following**
    - **Completed the following:**
      - **ENG100 - Composition I (3)**
    - **Completed the following:**
      - **ENG100E - Composition I (3)**
    - **Completed at least 3 credits from the following types of courses: Any approved FW course**
  - **Complete 1 of the following**
    - **Completed at least 1 of the following:**
      - **MATH100 - Survey of Mathematics (3)**
      - **MATH103 - College Algebra (3)**
      - **MATH112 - Math for Elementary Teachers II (3)**
      - **PHIL111 - Intro to Inductive Logic (3)**
    - **or higher MATH course**
    - **Completed at least 3 credits from the following types of courses: Any approved FQ course**

Semester 2

16 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **ED285 - Classroom Management in the Instructional Process (3)**
  - **Completed at least 1 of the following:**
    - **PSY240 - Developmental Psychology (3)**
    - **HDFS230 - Human Development (3)**
  - **Completed at least 1 of the following:**
    - **SP151 - Personal and Public Speech (3)**
    - **SP251 - Principles of Effective Public Speaking (3)**
    - **COM210 - Intercultural Communication (3)**
  - **Complete 1 of the following**
    - **Completed at least 3 credits from the following types of courses: Any approved Diversification Biological Science (DB)**

        - Completed at least 3 credits from the following types of courses:
          Any approved Diversification Physical Science (DP)
    - Completed at least 1 credits from the following types of courses:
      Any approved Diversification Science Laboratory (DY); the lab must match the DB or DP course
    - Completed at least 1 of the following:
        - ANTH151 - Emerging Humanity (3)
        - ART175 - Survey of Global Art I (3)
        - HIST151 - World History to 1500 (3)
        - ANTH152 - Culture and Humanity (3)
        - ART176 - Survey of Global Art II (3)
        - HIST152 - World History since 1500 (3)
        - GEO102 - World Regional Geography (3)
        - GEO151 - Geography and Contemporary Society (3)
        - REL150 - Introduction to the World's Major Religions (3)
        - MUS107 - Music in World Cultures (3)

Semester 3

18 Total Credits:

- Complete all of the following
    - Earned a minimum grade of C in each of the following:
        - ED290 - Foundations of Education (3)
    - Completed the following:
        - HWST107 - Hawai'i: Center of the Pacific (3)
    - Complete 1 of the following
        - Completed at least 3 credits from the following types of courses:
          Any approved Diversification Biological Science (DB)
        - Completed at least 3 credits from the following types of courses:
          Any approved Diversification Physical Science (DP)
    - Completed at least 3 credits from the following types of courses:
      Any approved Diversification Social Sciences (DS), not from the PSY discipline
    - Earned at least 6 credits from the following:
        - ED100 - Introduction to Education and Teaching (3)
        - ED237 - Indigenous Perspectives in Teaching (3)
        - ED279 - Educational Media and Technology (3)
        - ED282 - Collaboration: Roles and Responsibilities as a Member of the Multidisciplinary Team (3)
        - ED282C - Collaboration and Teaming Practicum (1)
        - ED283 - Family-Professional Partnerships in Education (3)
        - ED284 - Foundations of Inclusion in Teaching (3)
        - ED289 - Educational Psychology (3)
        - ED296 - Introduction to Art, Music and Creative Movement in the Classroom (3)

- HAW101 - Elementary Hawaiian I (4)
- MATH111 - Math for Elementary Teachers I (3)

Semester 4

13 Total Credits:

- Complete all of the following
  - Completed the following:
    - ENG200 - Composition II (3)
  - Earned a minimum grade of C in each of the following:
    - ED295 - Field Experience in Education (1)
  - Earned at least 3 credits from the following:
    - ED100 - Introduction to Education and Teaching (3)
    - ED237 - Indigenous Perspectives in Teaching (3)
    - ED279 - Educational Media and Technology (3)
    - ED282 - Collaboration: Roles and Responsibilities as a Member of the Multidisciplinary Team (3)
    - ED282C - Collaboration and Teaming Practicum (1)
    - ED283 - Family-Professional Partnerships in Education (3)
    - ED284 - Foundations of Inclusion in Teaching (3)
    - ED289 - Educational Psychology (3)
    - ED296 - Introduction to Art, Music and Creative Movement in the Classroom (3)
    - HAW101 - Elementary Hawaiian I (4)
    - MATH111 - Math for Elementary Teachers I (3)
  - Completed at least 3 credits from the following types of courses:
    Any approved Diversification Arts (DA)
  - Completed at least 1 of the following:
    - ANTH151 - Emerging Humanity (3)
    - ART175 - Survey of Global Art I (3)
    - HIST151 - World History to 1500 (3)
    - ANTH152 - Culture and Humanity (3)
    - ART176 - Survey of Global Art II (3)
    - HIST152 - World History since 1500 (3)
    - GEO151 - Geography and Contemporary Society (3)
    - MUS107 - Music in World Cultures (3)
    - REL150 - Introduction to the World's Major Religions (3)
    - GEO102 - World Regional Geography (3)

Grand Total Credits: 62

Certificate of Achievement (CA)

Accounting (CA-ACCT)

This certificate is designed to prepare the student for entry-level accounting positions such as accounts receivable, accounts payable, payroll, inventory, and bookkeeping. We emphasize our students' development in the areas of transaction analysis, communication skills, and computer applications. Our accounting certificates and AS program provide a solid foundation for any business career in government or private industry.

In order to earn the CA-ACCT degree, students must pass all required accounting (ACC) courses with a grade of "C" or better.

The certificate consists of general education courses, including oral and written communications, general business courses to provide a strong business foundation, and specific accounting courses to prepare students for entry-level jobs in bookkeeping and accounting. Admission and counseling is consistent with other programs at the college. (No special admission requirements.)

Core Requirements: 18 credits

- **ACC 124* Principles of Accounting I (3), and ACC 125* Principles of Accounting II (3), or ACC 201* Intro to Financial Accounting (3), and ACC 202* Intro to Managerial Accounting (3)**
- **BUS 101 Business Information Systems (3) or ICS 101 Digital Tools for the Information World (3)**
- **ACC 252 Using Quickbooks in Accounting (3)**
- **ACC 132 Payroll & Hawai'i GE Taxes (3)**
- **BUS 120 Principles of Business** (3)**

General Education Requirements: 9 credits

- **BUSN 188** Business Calculations or MATH 103*** College Algebra or BUS 250***Applied Mathematics in Business or MATH 115***Introduction to Statistics and Probability, or higher (3)**
- **SP 151 Personal and Public Speech or SP 251 Principles of Effective Public Speaking (3)**
- **ENG 100 Composition I or equivalent (3)**

Elective** requirements: 3 credits**

Total Certificate Credits 30

NOTES:

Please see an Academic Advisor for help in choosing ACC 124 or ACC 201 and BUSN 188, MATH 103, MATH 115 or BUS 250.

*** Combination of Introductory Accounting courses:**

For Certificate of Achievement:

ACC 124 and ACC 125, or

ACC 201 and ACC 202

For Associate in Science:

ACC 201 and ACC 202, or

ACC 124, ACC 125 and ACC 202

***The sequence of ACC 124, 125 and 202 is equivalent to the sequence of ACC 201 and 202 and vice versa. Therefore, credit will not be given for both sequences. A student who has completed ACC 124 or ACC 125 may not use ACC 201 as an elective for any AS, AA or AAS degree. Similarly, a student who has completed ACC 201 may not use ACC 124 and ACC 125 as an elective for any AS, AA or AAS degree. Note: University of Hawai'i at Mānoa will only accept credit for the combination of ACC 201 and ACC 202 or ACC 124, ACC 125 and ACC 202 taken from the same UHCC.**

**** Not recommended for transfer to a four year program.**

*****MATH 103 and MATH 115 articulate with UH West O'ahu as a General Education Foundations Symbolic Reasoning (FS) course and will satisfy the lower division math requirement for the Bachelor of Arts in Business Administration, Accounting degree.**

*****BUS 250 meets the University of Hawai'i at Mānoa FQ General Education Core.**

******Business Elective - any course with the following alphas (other than required courses): ACC, BLAW, BUS, BUSN, ECOM, ECON, FIN, HIT, HOST, MGT, MKT, TIM. Students intending to transfer to a 4-year business program at UH West O'ahu or University of Hawai'i at Mānoa are advised to take ECON 130 or 131.**

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC124 - Principles of Accounting I (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC201 - Introduction to Financial Accounting (3)**
  - **Complete 1 of the following**
    - **Completed at least 1 of the following:**
      - **BUSN188 - Business Calculations (3)**

        - MATH103 - College Algebra (3)
        - BUS250 - Applied Mathematics in Business (3)
        - MATH115 - Introduction to Statistics and Probability (3)
      - Completed at least 3 credits from any MATH course number higher than 115
    - Earned at least 3 credits from ACC, BLAW, BUS, BUSN, FIN, KOR, ECON, ECOM, HIT, HOST, MGT, or TIM
    - Complete 1 of the following
      - Completed the following:
        - ICS101 - Digital Tools for the Information World (3)
      - Completed the following:
        - BUS101 - Business Info Systems (3)
    - Complete 1 of the following
      - Completed the following:
        - SP151 - Personal and Public Speech (3)
      - Completed the following:
        - SP251 - Principles of Effective Public Speaking (3)

Semester 2

15 Total Credits:

- Complete all of the following
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - ACC125 - Principles of Accounting II (3)
    - Earned a minimum grade of C in each of the following:
      - ACC202 - Introduction to Managerial Accounting (3)
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - ACC132 - Payroll and Hawai‘i General Excise Tax (3)
      - ACC252 - Using QuickBooks® in Accounting (3)
    - Completed the following:
      - ENG100 - Composition I (3)
      - BUS120 - Principles of Business (3)

Grand Total Credits: 30

Automotive Technology (CA-AMT2)

The Certificate of Achievement is awarded to students who successfully complete the first two semesters of Leeward CC's Automotive Technology (AMT) program. Students earning this certificate have demonstrated the knowledge and skills required to enter the automotive industry with the goal of becoming an automotive technician.

All AMT courses must be completed with a C or better grade.

Required Courses: 24 credits

AMT 100 Introduction to Automotive Mechanics (2)

AMT 141 Electrical/Electronic Systems I (5)

AMT 152 Brake Systems (4)

AMT 162 Advanced Brake Systems (1)

AMT 129 Engine Repair (7)

AMT 154 Suspension and Steering Systems (4)

AMT 164 Advanced Suspension and Steering Systems (1)

Elective Courses: 6 credits

QM 107C Quantitative Methods in Automotive Technology or MATH 100 Survey of Math or equivalent or higher (3)

ENG 100 Composition I or equivalent or higher (3)

Total Credits: 30

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **AMT100 - Introduction to Automotive Technology (2)**
    - **AMT141 - Electrical/Electronic Systems I (5)**
    - **AMT152 - Brake Systems (4)**
    - **AMT162 - Advanced Brake Systems (1)**
  - **Completed at least 1 of the following:**
    - **QM107C - Quant Methods in AMT (3)**
    - **MATH100 - Survey of Mathematics (3)**

Semester 2

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **AMT129 - Engine Repair (7)**
    - **AMT154 - Suspension and Steering Systems (4)**
    - **AMT164 - Advanced Suspension and Steering Systems (1)**

- Completed the following:
  - ENG100 - Composition I (3)

Grand Total Credits: 30

Business (CA-BUS)

The Business Certificate of Achievement will provide students with a "stepping-stone" approach toward their AS in Business degree. The Western Association of Food Chains (WAFC), a non-profit association dedicated to the support of education programs for the food industry, has endorsed completion of this certificate for their program and will be providing scholarships and the WAFC Retail Management certificate to those students who are employed by member organizations and complete this certificate.

All courses require a grade of "C" or better.

ENG 100 Composition I (3) or ENG 209 Business Writing (3)
ICS 101 Digital Tools for the Information World (3) or BUS 101 Business Info Systems (3)
MGT 120 Principles of Management (3)
MGT 122 Human Relations in Business (3)
MGT 124 Human Resources Management (3)
MKT 130 Principles of Retailing (3) or MGT 121 Service Excellence (3)
ACC 201 Intro to Financial Accounting (3)
MKT 120 Principles of Marketing (3)
Total Credits: 24

The certificate will provide students with a "stepping-stone" approach toward their degree. By doing so, students' motivation to complete the program will increase as they are rewarded as they move towards attainment of the Associate in Science in Business degree.

Semester 1

15 Total Credits:

- Complete all of the following
  - Completed the following:
    - MGT122 - Human Relations in Management (3)
    - MGT124 - Human Resource Management (3)
  - Completed at least 1 of the following:
    - ENG100 - Composition I (3)
    - ENG209 - Business Writing (3)
  - Completed at least 1 of the following:
    - MKT130 - Principles of Retailing (3)
    - MGT121 - Service Excellence (3)

- Completed at least 1 of the following:
  - BUS101 - Business Info Systems (3)
  - ICS101 - Digital Tools for the Information World (3)

Semester 2

9 Total Credits:

- Completed the following:
  - MGT120 - Principles of Management (3)
  - MKT120 - Principles of Marketing (3)
  - ACC201 - Introduction to Financial Accounting (3)

Grand Total Credits: 24

Culinary Arts (CA-CULN)

The certificate requires two semesters to complete. Students acquire a solid foundation in cooking principles and develop fundamental food preparation skills. The goal of this program is to develop an employee able to work in a variety of entry-level job stations in a commercial kitchen.

In order to obtain a Culinary Certificate or Degree, students must pass all culinary classes with a grade of C or better.

CULN 111 Introduction to the Culinary Industry (2)

CULN 112 Sanitation and Safety (2)

CULN 120 Fundamentals of Cookery (5)

CULN 125 Fundamentals of Cookery II (5)

CULN 150 Fundamentals of Baking (5)

CULN 224 Asian/Continental Cuisine (5)

MATH 100 Survey of Mathematics or equivalent or higher (3)

ENG 100 Composition I or equivalent (3)

Total Credits: 30

Semester 1

17 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - CULN111 - Introduction to the Culinary Industry (2)

        - CULN112 - Sanitation and Safety (2)
        - CULN120 - Fundamentals of Cookery (5)
        - CULN125 - Fundamentals of Cookery II (5)
    - Complete 1 of the following
        - Completed the following:
            - MATH100 - Survey of Mathematics (3)
        - Or equivalent or higher.

Semester 2

13 Total Credits:

- Complete all of the following
    - Earned a minimum grade of C in each of the following:
        - CULN150 - Fundamentals of Baking (5)
        - CULN224 - Asian/Continental Cuisine (5)
    - Complete 1 of the following
        - Completed the following:
            - ENG100 - Composition I (3)
        - Or equivalent.

Grand Total Credits: 30

Digital Media Production (CA-DMED)

The certificate is designed to provide the student with entry-level skills or job upgrading for positions under direct supervision in Multi-Media in various specialization areas including Animation and Motion Graphics, Creative Media, Digital Photography, and Digital Video for the Web.

All core and specialization courses must be passed with a grade of "C" or better. Students must earn a cumulative 2.0 GPA or better for all required courses.

DMED Core: 9 credits

- **DMED 160 Media Literacy and Ethics (3)**
- **DMED 200 Electronic Portfolio (3)**
- **DMED 251 Media Entrepreneurship (3) or DMED 261 Digital Media Marketing and Online Distribution (3)**

General Education: 6 credits

- **Written Communication (FW) (3)**
- **MATH 100 Survey of Mathematics (3) or Higher or Any Quantitative Reasoning (FQ)**

Elective: 15 credits
Choose five courses within your chosen DMED specialization below

Specialization in Animation and Motion Graphics

- **ART 112 Intro to Digital Arts (3)**
- **ART 113 Introduction to Drawing (3)**
- **ART 113D Introduction to Digital Drawing (3)**
- **ART 229 Interface Design I (3)**
- **DMED 133 Sound Design for Digital Media (3)**
- **DMED 140 Principles of Animation (3)**
- **DMED 141 Introduction to 3D Animation (3)**
- **DMED 240 Animation & Special Effects (3)**
- **DMED 241 3D Motion Graphics (3)**
- **DMED 242 Character Animation (3)**
- **DMED 243 3D Modeling and Animation (3)**

Specialization Creative Media

- **ART 107D Introduction to Digital Photography (3)**
- **ART 112 Intro to Digital Arts (3)**
- **ART 113 Introduction to Drawing (3)**
- **ART 113D Introduction to Digital Drawing (3)**
- **ART 115D Introduction to 2D Digital Design (3)**
- **ART 123 Introduction to Painting (3)**
- **ART 156 Digital Painting (3)**
- **ART 166 Digital Printmaking (3)**
- **ART 202 Digital Imaging (3)**
- **ART 221 Design for Print and Web (3)**
- **DMED 131 Introduction to Digital Video (3)**

Specialization Digital Photography

- **ART 101 Introduction to the Visual Arts (3)**
- **ART 107D Introduction to Digital Photography (3)**
- **ART 112 Intro to Digital Arts (3)**
- **ART 115D Introduction to 2D Digital Design (3)**
- **ART 202 Digital Imaging (3)**
- **ART 207D Intermediate Digital Photography (3)**
- **ART 241 Photography as Story (3)**
- **ART 277D Digital Photography: Light and Image/Photo: Light & Image (3)**
- **ART 287 Digital Photography: Industry and Media (3)**
- **DMED 131 Introduction to Digital Video (3)**
- **DMED 150 Film Analysis & Storytelling (3)**

Specialization Digital Video for the Web

- **DMED 126 Introduction to Digital Camera Operation, Composition, & Lighting Principles (3)**
- **DMED 142 Film & Video Audio Acquisition & Recording (3)**

- DMED 150 Film Analysis & Storytelling (3)
- DMED 151 Intro to Film & Video Editing Principles (3)
- DMED 211 Intro to Film & Video Storytelling & Scriptwriting (3)
- DMED 226 Applied Digital Camera Operation, Composition, & Lighting (3)
- DMED 227 Advanced Film & Video Storytelling & Scriptwriting (3)
- DMED 252 Applied Film & Video Editing & Post-Production Audio (3)
- DMED 291 Film & Video Directing-Studio/Location Production (3)
- DMED 292 Media Project Production (3)
- DMED 294 Advanced Editing & Audio (3)

Total Credits: 30

The program consists of general education courses, including written communications, as well as courses in Art and Digital Media to provide a basic foundation for entry-level jobs in the creative media industry. Admission and counseling are consistent with other programs at the college. There are no special admission requirements.

Semester 1

12 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - DMED160 - Media Literacy and Ethics (3)
  - Completed at least 3 credits from the following types of courses:
    FW
    Electives
  - Complete 1 of the following
    - Completed at least 2 courses from the following:
      DMED Animation & Motion Graphics
      - ART112 - Intro to Digital Arts (3)
      - ART113 - Introduction to Drawing (3)
      - ART113D - Introduction to Digital Drawing (3)
      - ART229 - Interface Design I (3)
      - DMED133 - Sound Design for Digital Media (3)
      - DMED140 - Principles of Animation (3)
      - DMED141 - Introduction to 3D Animation (3)
      - DMED240 - Animation & Special Effects (3)
      - DMED241 - 3D Motion Graphics (3)
      - DMED242 - Character Animation (3)
      - DMED243 - 3D Modeling and Animation (3)
    - Completed at least 2 courses from the following:
      DMED Digital Photography
      - ART101 - Introduction to the Visual Arts (3)
      - ART107D - Introduction to Digital Photography (3)
      - ART112 - Intro to Digital Arts (3)
      - ART115D - Introduction to 2D Digital Design (3)

        - ART202 - Digital Imaging (3)
        - ART207D - Intermediate Digital Photography (3)
        - ART241 - Photography as Story (3)
        - ART277D - Digital Photography: Light and Image (3)
        - ART287 - Digital Photography: Industry and Media (3)
        - DMED131 - Introduction to Digital Video (3)
        - DMED150 - Film Analysis & Storytelling (3)
    - Completed at least 2 courses from the following:
      DMED Digital Video for the Web
        - DMED126 - Introduction to Digital Camera Operation, Composition, & Lighting Principles (3)
        - DMED142 - Film & Video Audio Acquisition & Recording (3)
        - DMED150 - Film Analysis & Storytelling (3)
        - DMED151 - Introduction to Film & Video Editing Principles (3)
        - DMED211 - Intro to Film & Video Storytelling & Scriptwriting (3)
        - DMED226 - Applied Digital Camera Operation, Composition, & Lighting (3)
        - DMED227 - Advanced Film & Video Storytelling & Scriptwriting (3)
        - DMED252 - Applied Film & Video Editing & Post-Production Audio (3)
        - DMED291 - Film & Video Directing-Studio/Location Production (3)
        - DMED292 - Media Project Production (3)
        - DMED294 - Advanced Editing & Audio (3)
    - Completed at least 2 courses from the following:
      DMED Creative Media
        - ART107D - Introduction to Digital Photography (3)
        - ART112 - Intro to Digital Arts (3)
        - ART113 - Introduction to Drawing (3)
        - ART113D - Introduction to Digital Drawing (3)
        - ART115D - Introduction to 2D Digital Design (3)
        - ART123 - Introduction to Painting (3)
        - ART156 - Digital Painting (3)
        - ART166 - Digital Printmaking (3)
        - ART202 - Digital Imaging (3)
        - ART221 - Design for Print and Web (3)
        - DMED131 - Introduction to Digital Video (3)

Semester 2

12 Total Credits:

- Complete all of the following
    - Completed at least 3 credits from the following types of courses:
      MATH 100 or higher or any FQ
    - Complete 1 of the following
        - Earned a minimum grade of C in each of the following:
            - DMED251 - Media Entrepreneurship (3)

- Earned a minimum grade of C in each of the following:
  - DMED261 - Digital Media Marketing and Online Distribution (3)

Electives

- Complete 1 of the following
  - Completed at least 2 courses from the following:
    DMED Animation & Motion Graphics
    - ART112 - Intro to Digital Arts (3)
    - ART113 - Introduction to Drawing (3)
    - ART113D - Introduction to Digital Drawing (3)
    - ART229 - Interface Design I (3)
    - DMED133 - Sound Design for Digital Media (3)
    - DMED140 - Principles of Animation (3)
    - DMED141 - Introduction to 3D Animation (3)
    - DMED240 - Animation & Special Effects (3)
    - DMED241 - 3D Motion Graphics (3)
    - DMED242 - Character Animation (3)
    - DMED243 - 3D Modeling and Animation (3)
  - Completed at least 2 courses from the following:
    DMED Digital Photography
    - ART101 - Introduction to the Visual Arts (3)
    - ART107D - Introduction to Digital Photography (3)
    - ART112 - Intro to Digital Arts (3)
    - ART115D - Introduction to 2D Digital Design (3)
    - ART202 - Digital Imaging (3)
    - ART207D - Intermediate Digital Photography (3)
    - ART241 - Photography as Story (3)
    - ART277D - Digital Photography: Light and Image (3)
    - ART287 - Digital Photography: Industry and Media (3)
    - DMED131 - Introduction to Digital Video (3)
    - DMED150 - Film Analysis & Storytelling (3)
  - Completed at least 2 courses from the following:
    DMED Digital Video for the Web
    - DMED126 - Introduction to Digital Camera Operation, Composition, & Lighting Principles (3)
    - DMED142 - Film & Video Audio Acquisition & Recording (3)
    - DMED150 - Film Analysis & Storytelling (3)
    - DMED151 - Introduction to Film & Video Editing Principles (3)
    - DMED211 - Intro to Film & Video Storytelling & Scriptwriting (3)
    - DMED226 - Applied Digital Camera Operation, Composition, & Lighting (3)
    - DMED227 - Advanced Film & Video Storytelling & Scriptwriting (3)
    - DMED252 - Applied Film & Video Editing & Post-Production Audio (3)
    - DMED291 - Film & Video Directing-Studio/Location Production (3)
    - DMED292 - Media Project Production (3)
    - DMED294 - Advanced Editing & Audio (3)

- Completed at least 2 courses from the following:
  DMED Creative Media
  - ART107D - Introduction to Digital Photography (3)
  - ART112 - Intro to Digital Arts (3)
  - ART113 - Introduction to Drawing (3)
  - ART113D - Introduction to Digital Drawing (3)
  - ART115D - Introduction to 2D Digital Design (3)
  - ART123 - Introduction to Painting (3)
  - ART156 - Digital Painting (3)
  - ART166 - Digital Printmaking (3)
  - ART202 - Digital Imaging (3)
  - ART221 - Design for Print and Web (3)
  - DMED131 - Introduction to Digital Video (3)

Semester 3

6 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - DMED200 - Electronic Portfolio (3)

  Electives
  - Complete 1 of the following
    - Completed at least 1 courses from the following:
      DMED Animation & Motion Graphics
      - ART112 - Intro to Digital Arts (3)
      - ART113 - Introduction to Drawing (3)
      - ART113D - Introduction to Digital Drawing (3)
      - ART229 - Interface Design I (3)
      - DMED133 - Sound Design for Digital Media (3)
      - DMED140 - Principles of Animation (3)
      - DMED141 - Introduction to 3D Animation (3)
      - DMED240 - Animation & Special Effects (3)
      - DMED241 - 3D Motion Graphics (3)
      - DMED242 - Character Animation (3)
      - DMED243 - 3D Modeling and Animation (3)
    - Completed at least 1 courses from the following:
      DMED Digital Photography
      - ART101 - Introduction to the Visual Arts (3)
      - ART107D - Introduction to Digital Photography (3)
      - ART112 - Intro to Digital Arts (3)
      - ART115D - Introduction to 2D Digital Design (3)
      - ART202 - Digital Imaging (3)
      - ART207D - Intermediate Digital Photography (3)
      - ART241 - Photography as Story (3)
      - ART277D - Digital Photography: Light and Image (3)

- ART287 - Digital Photography: Industry and Media (3)
- DMED131 - Introduction to Digital Video (3)
- DMED150 - Film Analysis & Storytelling (3)

- Completed at least 1 courses from the following:
  DMED Digital Video for the Web
  - DMED126 - Introduction to Digital Camera Operation, Composition, & Lighting Principles (3)
  - DMED142 - Film & Video Audio Acquisition & Recording (3)
  - DMED150 - Film Analysis & Storytelling (3)
  - DMED151 - Introduction to Film & Video Editing Principles (3)
  - DMED211 - Intro to Film & Video Storytelling & Scriptwriting (3)
  - DMED226 - Applied Digital Camera Operation, Composition, & Lighting (3)
  - DMED227 - Advanced Film & Video Storytelling & Scriptwriting (3)
  - DMED252 - Applied Film & Video Editing & Post-Production Audio (3)
  - DMED291 - Film & Video Directing-Studio/Location Production (3)
  - DMED292 - Media Project Production (3)
  - DMED294 - Advanced Editing & Audio (3)
- Completed at least 1 courses from the following:
  DMED Creative Media
  - ART107D - Introduction to Digital Photography (3)
  - ART112 - Intro to Digital Arts (3)
  - ART113 - Introduction to Drawing (3)
  - ART113D - Introduction to Digital Drawing (3)
  - ART115D - Introduction to 2D Digital Design (3)
  - ART123 - Introduction to Painting (3)
  - ART156 - Digital Painting (3)
  - ART166 - Digital Printmaking (3)
  - ART202 - Digital Imaging (3)
  - ART221 - Design for Print and Web (3)
  - DMED131 - Introduction to Digital Video (3)

Grand Total Credits: 30

Health Information Technology (CA-HIT)

This certificate develops a foundation in records and information management for a medical facility and the health information technology profession. Students completing the certificate will have the skills and knowledge necessary to assist in maintaining accurate and timely medical data in clinics, hospitals, and other health care organizations. In addition to the Certificate of Competence (CO) job opportunities, this certificate will lead to job opportunities such as request of information clerks, medical records specialists, and data entry specialists.

To obtain a Health Information Technology (HIT) Certificate of Achievement (CA), students must pass all required courses with a grade of C or better.

HIT 101 Healthcare Delivery Systems (3)
HLTH 110 Medical Terminology (2)

ENG 100 Composition I (3)

PHYL 141 Human Anatomy & Physiology I (3)*

PHYL 141L Human Anatomy & Physiology I Lab (1)*

BUS 101 Business Information Systems (3) or ICS 101 Digital Tools for the Information World (3)

HIT 108 Introduction to Diagnosis Coding (3)
HIT 109 Introduction to Procedure Coding (3)

HIT 120 Intro to Healthcare Data Management & Analytics (3)

HIT 171 Health Data, Information, Law, and Ethics (3)

HIT 200 Disease Pathology and Pharmacology (3)

Total credits: 30

***Prerequisite: 1-year of high school college-prep chemistry with a B or better within the last 5 years, or a C or better in one of the following: CHEM 151, CHEM 161, or BIOC 141.**

The program is organized so that the student builds a foundation (CO = 15 credits; CA = 30 credits; AS = 61 credits) as progressing through a recommended group of courses. Courses with required knowledge have prerequisites, and the counselors will have the program information to guide the student into proper course sequence.

The program is designed to meet the (1) employment needs of the health care organizations and (2) needs of students who wish to participate in a training program that will lead to a Certificate of Achievement (CA) in Health Information Technology (HIT) with the opportunity to obtain entry-level positions and advance to higher levels in medical facilities. The Leeward CC counselors, especially the counselor assigned to the Business Division, will be responsible for advising future and current students in the HIT Program.

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **HIT101 - Healthcare Delivery Systems (3)**
    - **HLTH110 - Medical Terminology (2)**
    - **ENG100 - Composition I (3)**
    - **PHYL141 - Human Anatomy and Physiology I (3)**
    - **PHYL141L - Human Anatomy and Physiology I Lab (1)**

- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - BUS101 - Business Info Systems (3)
  - Earned a minimum grade of C in each of the following:
    - ICS101 - Digital Tools for the Information World (3)

Semester 2

15 Total Credits:

- Earned a minimum grade of C in each of the following:
  - HIT108 - Introduction to Diagnosis Coding (3)
  - HIT109 - Introduction to Procedure Coding (3)
  - HIT120 - Intro to Healthcare Data Management & Analytics (3)
  - HIT171 - Health Data, Information, Law, and Ethics (3)
  - HIT200 - Disease Path and Pharmacology (3)

Grand Total Credits: 30

Information and Computer Science (CA-ICS)

Provides students with entry-level skills or job upgrading for positions under direct supervision in computer support, cabling, and basic networking, office application support, and database management.

The program consists of general education courses including oral and written communications, general computing courses to provide a strong foundation in computer skills, and specific database and networking courses to prepare students for entry-level jobs in computer support, cabling and basic networking, office application support, and database management. Admission and counseling are consistent with other programs at the college. There are no special admission requirements.

A minimum of a "C" grade in each ICS course is required to earn the certificate.

ICS 101 Digital Tools For the Information World (3)
ICS 110P Introduction to Programming (3)
ICS 129 Introduction to Databases (3) or ICS 102 Introduction to Data Science (3)

ICS 111 Introduction to Computer Science I (3)
ICS 125 Personal Computer Maintenance (3)
ICS 170 Ethics for the Digital World (3)
ICS 184 Introduction to Networking (3)

ENG 100 Composition I (3)
MATH 103 College Algebra (3) or MATH 135 Precalc: Elementary Functions (3) or higher or ICS 141 Discrete Math for Computer Science I (3)

SP 151 Personal and Public Speech (3) or SP 251 Principles of Effective Public Speaking (3)

Total credits: 30

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **ICS101 - Digital Tools for the Information World (3)**
  - **Completed the following:**
    - **ENG100 - Composition I (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ICS102 - Introduction to Data Science (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **ICS129 - Introduction to Databases (3)**
  - **Complete 1 of the following**
    - **Completed the following:**
      - **MATH103 - College Algebra (3)**
    - **Completed the following:**
      - **MATH135 - Precalculus: Elementary Functions (3)**
    - **or higher MATH**
    - **Earned a minimum grade of C in each of the following:**
      - **ICS141 - Discrete Mathematics for Computer Science I (3)**
  - **Earned a minimum grade of C in each of the following:**
    - **ICS110P - Introduction to Programming (3)**

Semester 2

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **ICS111 - Introduction to Computer Science I (3)**
    - **ICS125 - Personal Computer Maintenance and Repair (3)**
    - **ICS170 - Ethics for the Digital World (3)**
    - **ICS184 - Introduction to Networking (3)**
  - **Complete 1 of the following**
    - **Completed the following:**
      - **SP151 - Personal and Public Speech (3)**

- Completed the following:
  - SP251 - Principles of Effective Public Speaking (3)

Grand Total Credits: 30

Information Security (CA-ICS-ISSP)

Provides students with entry-level skills or job upgrading for positions under direct supervision in information security.

First Semester

ICS 111 Introduction to Computer Science I (3)

ICS 170 Ethics for the Digital World (3)

ICS 171 Introduction to Computer Security (3)

ICS 184 Introduction to Networking (3)

ICS 231 Introduction to Linux (3)

Second Semester

ICS 101 Digital Tools for the Information World (3)

ICS 215 Introduction to Scripting (3)

ICS 129 Introduction to Databases (3)

ICS 281 Ethical Hacking (3)

ICS 282 Computer Forensics (3)

Total Credits 30

This certificate will use the same admission, advising, and counseling resources as the ICS program.

All Courses must be completed with a grade of "C" or better.

Semester 1

15 Total Credits:

- Completed the following:
  - ICS111 - Introduction to Computer Science I (3)
  - ICS170 - Ethics for the Digital World (3)
  - ICS184 - Introduction to Networking (3)
  - ICS231 - Introduction to Linux (3)

- ICS171 - Introduction to Computer Security (3)

Semester 2

15 Total Credits:

- **Completed the following:**
  - ICS215 - Introduction to Scripting (3)
  - ICS281 - Ethical Hacking (3)
  - ICS282 - Computer Forensics (3)
  - ICS129 - Introduction to Databases (3)
  - ICS101 - Digital Tools for the Information World (3)

Grand Total Credits: 30

Mechatronics (CA-MECH)

This certificate is intended to provide students with entry-level skills in hydraulic, pneumatic, and mechanical drive systems, and CAD design, as well as apply principles of process quality assurance in an automated controls environment to meet the workforce needs of an emerging industrial technology industry. Students will be able to perform inspection, preventative maintenance, and corrective maintenance while applying proper safety, health, and personal protection procedures. Students will also gain experience in computer-aided design (CAD) to create drawings of parts and assemblies for prototypes.

All courses must be completed with a C or better grade.

Core Requirements: 19 credits

- **MECH 101 Industrial Safety Health and Environment (3)**
- **MECH 121 Electro-hydraulics and Pneumatics (3)**
- **MECH 131 Mechanical Drive Systems (3)**
- **MECH 151 Technical Design and Prototyping (4)**
- **MECH 171 Principles of Process Quality (3)**
- **MECH 191 Metallurgy (3)**

General Education Requirements: 13 credits

- **ENG 100 Composition I (3)**
- **MATH 103 College Algebra (3) or higher STEM math**
- **PHYS 100 Survey of Physics (3)**
- **PHYS 100L Survey of Physics Laboratory (1)**

- Social Science, 100 level or above (3)

Total: 32 credits

Semester 1

15 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - MECH101 - Industrial Safety Health and Environment (3)
    - MECH121 - Electro-Hydraulics and Pneumatics (Fluid Power Systems) (3)
    - MECH131 - Mechanical Drive Systems (3)
    - ENG100 - Composition I (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - MATH103 - College Algebra (3)
    - or higher STEM math

Semester 2

17 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - MECH151 - Technical Design and Prototyping (4)
    - MECH171 - Principles of Process Quality (3)
    - PHYS100 - Survey of Physics (3)
    - PHYS100L - Survey of Physics Lab (1)
    - MECH191 - Metallurgy (3)
  - Completed at least 3 credits from the following types of courses:
    Any Social Sciences Course (100 level or above)

Grand Total Credits: 32

Sustainable Agriculture (CA-AGSU)

This certificate prepares students for entry-level work in agriculture through a blend of hands-on practice and classroom instruction. It builds foundational skills and knowledge in sustainable tropical crop production and gives students practical experience they can apply immediately in the field or as a stepping-stone to further study.

All AG and BOT courses must be completed with a grade of "C" or better.

Core Requirements: 11 credits

- AG 100 Orientation to Hawai'i Agriculture Industry (1)

- **AG 104 Food Safety & Post-Harvest Handling (1)**
- **AG 122 Soil Technology (3)**
- **AG 141 Integrated Pest Management (3)**
- **AG 264 Plant Propagation (3)**

Complete one of the following options: 4 credits

- **AG 112 Introduction to Organic Agriculture (4)[1]**
- **AG 200 + AG 200L Principles of Horticulture + Lab (4)[1,2]**

Complete one of the following options: 4 credits

- **BOT 130 + BOT 130L Plants in the Hawaiian Environment + Lab (4)**
- **AG 110 + AG 110L Hawai'i Horticulture and Nutrition + Lab (4)**

Electives: 6 credits

- **AG 112 Introduction to Organic Agriculture (4)[1]**
- **AG 170 + AG 170L Introduction to Aquaponics + Lab (4)**
- **AG 200 + AG 200L Principles of Horticulture + Lab (4)[1,2]**
- **AG 251 Sustainable Crop Production (4)**
- **AG 260 Tropical Landscape (4)**
- **AG 269 Ornamental Plant Materials (3)**
- **AG 267 Intro to Beekeeping (3)**
- **AG 259 Greenhouse Production (3)**
- **AG 293V Sustainable Agriculture Internship (1-4)**
- **ENT 125 Starting a Business (3)**
- **HWST 107 Hawai'i: Center of the Pacific (3)**

Total Credits: 25

[1] When AG 112 or AG 200 + AG 200L is used to count as a concentration requirement, it cannot also count as an elective.

[2] Students would need to complete or concurrently enroll in CHEM 151 + CHEM 151L or CHEM 161 + CHEM 161L or GEO 101 + GEO 101L if taking AG 200.

The program will provide comprehensive courses in plant science and sustainable agriculture. The subjects include plants, soils, crop production, pest management, food, agricultural systems, business, and landscaping. The CA program builds on the Certificate of Competence (CO) program, utilizing several existing courses in Sustainable Agriculture. Students will have an opportunity to pursue an Associate in Science (AS) degree, which builds upon this program.

Semester 1

12 Total Credits:

- Complete all of the following
  - Completed the following:
    - AG100 - Orientation to Hawai‘i Agriculture Industry (1)
    - AG104 - Food Safety & Post-Harvest Handling (1)
    - AG122 - Soil Technology (3)
  - Complete 1 of the following
    - Completed the following:
      - AG112 - Introduction to Organic Agriculture (4)
    - Completed the following:
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)
  - Earned at least 3 credits from the following:
    - AG112 - Introduction to Organic Agriculture (4)
    - AG170 - Introduction to Aquaponics (3)
    - AG170L - Introduction to Aquaponics Laboratory (1)
    - AG200 - Principles of Horticulture (3)
    - AG200L - Principles of Horticulture Lab (1)
    - AG259 - Greenhouse Production (3)
    - AG251 - Sustainable Crop Production (4)
    - AG260 - Tropical Landscape (4)
    - AG267 - Introduction to Beekeeping (3)
    - AG269 - Ornamental Plant Materials (3)
    - AG293V - Sustainable Agriculture Internship (1 - 4)
    - ENT125 - Starting a Business (3)
    - HWST107 - Hawai'i: Center of the Pacific (3)

Semester 2

13 Total Credits:

- Complete all of the following
  - Completed the following:
    - AG141 - Integrated Pest Management (3)
    - AG264 - Plant Propagation (3)
  - Complete 1 of the following
    - Completed the following:
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
    - Completed the following:
      - BOT130 - Plants in the Hawaiian Environment (3)
      - BOT130L - Plants in the Hawaiian Environment Lab (1)

- Earned at least 3 credits from the following:
  - AG112 - Introduction to Organic Agriculture (4)
  - AG170 - Introduction to Aquaponics (3)
  - AG170L - Introduction to Aquaponics Laboratory (1)
  - AG200 - Principles of Horticulture (3)
  - AG200L - Principles of Horticulture Lab (1)
  - AG259 - Greenhouse Production (3)
  - AG251 - Sustainable Crop Production (4)
  - AG260 - Tropical Landscape (4)
  - AG267 - Introduction to Beekeeping (3)
  - AG269 - Ornamental Plant Materials (3)
  - AG293V - Sustainable Agriculture Internship (1 - 4)
  - ENT125 - Starting a Business (3)
  - HWST107 - Hawai'i: Center of the Pacific (3)

Grand Total Credits: 25

Certificate of Competence (CO)

Accounting (CO-ACCT)

This certificate provides a foundation in accounting which can be earned through successful completion of in-person or online classes and can be completed in two semesters. The credits earned and concepts learned can be applied towards the Certificate of Achievement in Accounting and the Associate in Science Accounting Degree.

In order to earn the certificate, students must complete all required accounting (ACC) courses with a grade of "C" or better.

The following are the course requirements:

ACC 201* Introduction to Financial Accounting (3) or ACC 124* Principles of Accounting I (3)

ICS 101 Digital Tools for the Information World (3) or BUS 101 Business Information Systems (3)

ACC 252 Using QuickBooks in Accounting (3)

ACC 132 Payroll Accounting and Hawai`i GE Tax (3)

Students who took ACC 124 in Semester 1 must take ACC 125 Principles of Accounting II (3)

Total Credits for Certificate: 12 (or 15)

***Please see an Academic Advisor for help in choosing ACC 124 or ACC 201.**

Semester 1

6 Total Credits:

- **Complete all of the following**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC124 - Principles of Accounting I (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC201 - Introduction to Financial Accounting (3)**
  - **Complete 1 of the following**
    - **Completed the following:**
      - **ICS101 - Digital Tools for the Information World (3)**
    - **Completed the following:**
      - **BUS101 - Business Info Systems (3)**

Semester 2

9 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **ACC132 - Payroll and Hawai‘i General Excise Tax (3)**
    - **ACC252 - Using QuickBooks® in Accounting (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC125 - Principles of Accounting II (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **ACC201 - Introduction to Financial Accounting (3)**

Grand Total Credits: 15

Administrative Assistant (CO-BUS-ADAS)

The Certificate of Competence is to prepare students to acquire basic entry-level skills in administrative assistant support positions in office settings in businesses, non-profit and governmental service institutions.

Certificate of Competence (15 credits)

BUSN 123 Word Processing for Business (3 credits)
BUSN 158 Social Media and Cloud-Based Collaboration for Business (3 credits)
BUSN 164 Career Success (3 credits)
BUSN 170 Records and Information Management (3 credits)
BUS 101 Business Information Systems or ICS 101 Digital Tools info World (3 credits)

To obtain the Administrative Assistant CO students must pass all required business (BUS) and business technology (BUSN) courses with a grade of C or better.

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **BUSN123 - Word Processing for Business (3)**
    - **BUSN158 - Social Media and Cloud-Based Collaboration for Business (3)**
    - **BUSN164 - Career Success (3)**
    - **BUSN170 - Records and Information Management (3)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **BUS101 - Business Info Systems (3)**

- Earned a minimum grade of C in each of the following:
  - ICS101 - Digital Tools for the Information World (3)

Grand Total Credits: 15

Agriculture-based Product Development & Entrepreneurship (CO-BUS-APDE)

The Certificate of Competence in Agriculture-based Product Development & Entrepreneurship program is intended to provide students with entry-level skills in creating and marketing value-added products. Students will be able to explain agricultural practices, apply sanitation and safety principles to the food service operation, create a value-added product, apply entrepreneurship resources and practices to a new business venture, and prepare a business plan.

All classes can be taught as 8-week classes. This certificate can be completed in one semester.

First 8 weeks:
AG 100, Orientation to Hawaii Agriculture Industry (1)
ENT 120, Introduction to Entrepreneurship (3)

CULN 112, Sanitation & Safety (2)

Second 8 weeks:
ENT 125, Starting a Business (3)
CULN 243, Farm-to Retail: Value-added Product Development, (3)

Total Program Credits: 12

All required courses must be completed with a C or better grade.

Semester 1

12 Total Credits:

- Earned a minimum grade of C in each of the following:
  - AG100 - Orientation to Hawai‘i Agriculture Industry (1)
  - ENT120 - Introduction to Entrepreneurship (3)
  - ENT125 - Starting a Business (3)
  - CULN243 - Farm-to-Retail: Value-Added Product Development (3)
  - CULN112 - Sanitation and Safety (2)

Grand Total Credits: 12

Alternative Certification in Teaching, Track 1 (CO-TTE-CTE1)

The Certificate prepares candidates to become licensed CTE teachers in secondary (grades 6-12) classrooms. To enter, candidates must possess curricular content knowledge relevant to their Career and Technical Education (CTE) pathway. This is demonstrated through industry

experience and/or appropriate academic degrees. This alternative, accelerated teacher preparation program recommends program completers for the State of Hawai'i teaching licensure in the following fields: Arts and Communications (6-12), Business (6-12), Health Services (6-12), Industrial and Engineering Technology (6-12), Natural Resources (6-12), and Public and Human Services (6-12).

Students must pass all courses with a grade of C or better.

Track I - 15 credits of coursework, 2 credits of field practicum

Core Requirements: 14 credits

- **ED 310A - Classroom Management within the Instructional Process for CTE Teacher Candidates (3)**
- **ED 311A - Foundations of Inclusion in Teaching or Foundations of Inclusion in Teaching for CTE Teacher Candidates (3)**
- **ED 312A - Educational Psychology or Educational Psychology for CTE Teacher (3)**
- **ED 392 - Field Practicum Seminar for Alternative Certification for CTE Licensure (3)**
- **ED 393P - Field Practicum I: Alternative Certification for CTE Teacher Licensure (1)**
- **ED 393S - Field Practicum II (1)**

Electives - Only one (1) of the following is required: 3 credits

- **ED 315 - Safety in the CTE Classroom (3) or**
- **ED 316 - Educational Technology in CTE (3) or**
- **ED 317 - English Language Learner Methods in Career and Technical Education (3)**

Total Credits: 17

All foundational courses are offered online and asynchronous. This accommodates candidates employed in HIDOE classrooms and provides access to candidates statewide. The accelerated Track I program can be completed within three semesters.

The course curriculum utilizes a clinical approach, where assessments in each education course require candidates to demonstrate the practical application of content and pedagogical knowledge. Assessments are driven by Course Learning Outcomes (CLOs) aligned to professional standards and licensure requirements. Candidates will demonstrate proficiency in all focus areas through various means, such as projects, document analysis, development of structures in the classroom environment aligned with professional expectations, standards-based curriculum, lesson planning, case studies, the development of professional portfolios, mentoring, and field practicum experiences all leading to licensure as a career and technical education (CTE) teacher at the secondary level (grades 6-12).

Admission for Track I requires students to complete an application for admittance to Leeward Community College, an application to the program, an intake form for the Teacher Education Program counselor, and to provide all required documentation. Upon successful review of the

documentation and admission to the program, the program coordinator will work with the candidate to determine the individual plan for successful program completion (length of time, number of courses per semester).

The practicum experience (taking place over two academic semesters and two courses), ED 393P and ED 393S, requires candidates to meet with a college supervisor a minimum of 5 times at their school placement site. Additional orientation and completion meetings may be required. The meetings focus on the candidate's curricular cycle and needs. They generally include a pre-observation meeting for documentation and expectations, at least one hour of classroom instructional observation, and a debrief meeting. Observations in the field are initially focused on mentoring (ED 393P) and move progressively toward candidate performance of observable outcome measures (ED 393S). Each observation cycle opens with orientation and relationship-building sessions and is capped with a debrief meeting with candidates to ensure they are meeting expectations and prepared for licensure—candidates must complete the exit portfolio in preparation for licensure recommendations.

Candidates hired by HIDOE or another secondary school during the program will complete these requirements in their assigned CTE middle or secondary classroom with the on-site mentoring completed by the Leeward CC College Supervisor, CTE department chair, or other HIDOE/school designee. The Program Coordinator will place all other candidates at their practicum sites, with on-site mentoring provided by the Leeward CC College Supervisor and the Mentor Teacher or other HIDOE/school designee.

Semester 1

6 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ED310A - Classroom Management within the Instructional Process for CTE Teacher Candidates (3)**
  - **ED311A - Foundations of Inclusion in Teaching for CTE Teacher Candidates (3)**

Semester 2

4 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ED312A - Educational Psychology for CTE Teacher Candidates (3)**
  - **ED393P - Practicum I: Alternative Certification for CTE Teacher Licensure (1)**

Semester 3

7 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **ED393S - Practicum II (1)**
    - **ED392 - Field Practicum Seminar for Alternative Certification for CTE Licensure (3)**

- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - ED315 - Safety in CTE Classrooms (3)
  - Earned a minimum grade of C in each of the following:
    - ED316 - Educational Technology in CTE Classrooms (3)
  - Earned a minimum grade of in each of the following:
    - ED317 - English Language Learner Methods in Career Technical Education (3)

Grand Total Credits: 17

Alternative Certification in Teaching, Track 2 (CO-TTE-ACTE)

The Certificate prepares candidates to become licensed CTE teachers in secondary (grades 6-12) classrooms. To enter, candidates must possess curricular content knowledge relevant to their Career and Technical Education (CTE) pathway. This is demonstrated through industry experience and/or appropriate academic degrees. This alternative, accelerated teacher preparation program recommends program completers for the State of Hawai'i teaching licensure in the following fields: Arts and Communications (6-12), Business (6-12), Health Services (6-12), Industrial and Engineering Technology (6-12), Natural Resources (6-12), and Public and Human Services (6-12).

Students must pass all courses with a grade of C or better.

Track II - 21 credits of coursework, 2 credits of field practicum

Core Requirements: 20 credits

- **ED 291 - Developing Language and Literacy I (3)**
- **ED 277 - Introduction to Multicultural Education (3)**
- **ED 310A - Classroom Management within the Instructional Process for CTE Teacher Candidates (3)**
- **ED 311A - Foundations of Inclusion in Teaching or Foundations of Inclusion in Teaching for CTE Teacher Candidates (3)**
- **ED 312A - Educational Psychology or Educational Psychology for CTE Teacher (3)**
- **ED 392 - Field Practicum Seminar for Alternative Certification for CTE Licensure (3)**
- **ED 393P - Field Practicum I: Alternative Certification for CTE Teacher Licensure (1)**
- **ED 393S - Field Practicum II (1)**

Electives - Only one (1) of the following is required: 3 credits

- **ED 315 - Safety in the CTE Classroom (3) or**
- **ED 316 - Educational Technology in CTE (3) or**
- **ED 317 - English Language Learner Methods in Career and Technical Education (3)**

Total Credits: 23

All foundational courses are offered online. This accommodates candidates employed in HIDOE classrooms and provides access to candidates statewide. The accelerated Track II program can be completed within four semesters.

The course curriculum utilizes a clinical approach, where assessments in each education course require candidates to demonstrate the practical application of content and pedagogical knowledge. Assessments are driven by Course Learning Outcomes (CLOs) aligned to professional standards and licensure requirements. Candidates will demonstrate proficiency in all focus areas through various means, such as projects, document analysis, development of structures in the classroom environment aligned with professional expectations, standards-based curriculum, lesson planning, case studies, the development of professional portfolios, mentoring, and field practicum experiences all leading to licensure as a career and technical education (CTE) teacher at the secondary level (grades 6-12).

Admission for Track II requires students to complete an application for admittance to Leeward Community College, an application to the program, an intake form for the Teacher Education Program counselor, and to provide all required documentation. The Teacher Education counselor and program coordinator ensure that all documentation is provided before admittance to the program. Upon successful review of the documentation and admission to the program, the program coordinator will work with the candidate to determine the individual plan for successful program completion (length of time, number of courses per semester). The program coordinator acts as the field director statewide, ensuring placement for the two semesters of practicum.

The practicum experience (taking place over two academic semesters and two courses), ED 393P and ED 393S, requires candidates to meet with a college supervisor a minimum of 5 times at their school placement site. Additional orientation and completion meetings may be required. The meetings focus on the candidate's curricular cycle and needs. They generally include a pre-observation meeting for documentation and expectations, at least one hour of classroom instructional observation, and a debrief meeting. Observations in the field are initially focused on mentoring (ED 393P) and move progressively toward candidate performance of observable outcome measures (ED 393S). Each observation cycle opens with orientation and relationship-building sessions and is capped with a debrief meeting with candidates to ensure they are meeting expectations and prepared for licensure—candidates must complete the exit portfolio in preparation for licensure recommendations.

Candidates hired by HIDOE or another secondary school during the program will complete these requirements in their assigned CTE middle or secondary classroom with the on-site mentoring completed by the Leeward CC College Supervisor, CTE department chair, or other HIDOE/school designee. The Program Coordinator will place all other candidates at their practicum sites, with on-site mentoring provided by the Leeward CC College Supervisor and the Mentor Teacher or other HIDOE/school designee.

Semester 1

6 Total Credits:

- Earned a minimum grade of C in each of the following:
  - ED310A - Classroom Management within the Instructional Process for CTE Teacher Candidates (3)
  - ED311A - Foundations of Inclusion in Teaching for CTE Teacher Candidates (3)

Semester 2

6 Total Credits:

- Earned a minimum grade of C in each of the following:
  - ED291 - Developing Language and Literacy I (3)
  - ED277 - Introduction to Multicultural Education (3)

Semester 3

4 Total Credits:

- Earned a minimum grade of C in each of the following:
  - ED312A - Educational Psychology for CTE Teacher Candidates (3)
  - ED393P - Practicum I: Alternative Certification for CTE Teacher Licensure (1)

Semester 4

7 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - ED393S - Practicum II (1)
    - ED392 - Field Practicum Seminar for Alternative Certification for CTE Licensure (3)
  - Complete 1 of the following
    - Completed at least 1 of the following:
      - ED315 - Safety in CTE Classrooms (3)
    - Earned a minimum grade of C in each of the following:
      - ED316 - Educational Technology in CTE Classrooms (3)
    - Earned a minimum grade of C in each of the following:
      - ED317 - English Language Learner Methods in Career Technical Education (3)

Grand Total Credits: 23

Aquaculture (CO-AGSU-AQUA)

This certificate was developed with input across the University of Hawai'i System. The certificate provides educational opportunities for students interested in aquaculture and aquaponics careers.

A "C" grade is required for all courses.

Core requirement courses: 6 - 9 credits

- **AQUA 262 Introduction to Aquaculture (3)**
- **AQUA 262L Introduction to Aquaculture Lab (1)**
- **AG 104 Food Safety & Post Harvest Handling (1)**
- **AG 293V Sustainable Agriculture Internship (1-4)***

Elective courses: 7 - 10 credits

- **AG 141 Integrated Pest Management (3)**
- **AG 170 + AG 170L Introduction to Aquaponics + Lab (4)**
- **AG 110 + AG 110L Hawai'i Horticulture and Nutrition + Lab (4) or AG 112 Introduction to Organic Agriculture (4) or AG 200 + AG 200L Principles of Horticulture Lab (4)**
- **AG 251 Sustainable Crop Production (4)**
- **AQUA 254 Nutrition of Aquatic Organisms (3)**
- **BUSN 164 Career Success (3) or ENT 125 Starting a Business (3)**
- **SOC 151 Introduction to Sociology of Food (3)**

Total credits: minimum 16

***NOTE: Students will need to complete at least two 200-level AG courses to take AG 293V.**

The program will provide comprehensive courses in plant science and aquaculture. The subjects included aquaculture, pest management and aquaculture systems, and aquaponics. Students will have an opportunity to pursue CA and AS degrees, which build upon this program.

Semester 1

8 - 9Total Credits

- **Complete all of the following**
  Core Requirements
  - **Completed the following:**
    - **AQUA262 - Introduction to Aquaculture (3)**
    - **AQUA262L - Introduction to Aquaculture Lab (1)**
    - **AG104 - Food Safety & Post-Harvest Handling (1)**

  Electives

- Complete 1 of the following
  - Completed the following:
    - AG141 - Integrated Pest Management (3)
  - Completed the following:
    - AG170 - Introduction to Aquaponics (3)
    - AG170L - Introduction to Aquaponics Laboratory (1)
  - Complete 1 of the following
    - Completed the following:
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
    - Completed the following:
      - AG112 - Introduction to Organic Agriculture (4)
    - Completed the following:
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)
  - Completed the following:
    - AQUA254 - Nutrition of Aquatic Organisms (3)
  - Complete 1 of the following
    - Completed the following:
      - BUSN164 - Career Success (3)
    - Completed the following:
      - ENT125 - Starting a Business (3)
  - Completed the following:
    - SOC151 - Introduction to Sociology of Food (3)

Semester 2

4 - 8Total Credits

- Complete all of the following

  Core Requirements
  - Completed the following:
    - AG293V - Sustainable Agriculture Internship (1 - 4)

  Electives
  - Complete 1 of the following
    - Completed the following:
      - AG141 - Integrated Pest Management (3)
    - Completed the following:
      - AG170 - Introduction to Aquaponics (3)
      - AG170L - Introduction to Aquaponics Laboratory (1)

- Complete 1 of the following
  - Completed the following:
    - AG110 - Hawai‘i Horticulture and Nutrition (3)
    - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
  - Completed the following:
    - AG112 - Introduction to Organic Agriculture (4)
  - Completed the following:
    - AG200 - Principles of Horticulture (3)
    - AG200L - Principles of Horticulture Lab (1)
- Completed the following:
  - AG251 - Sustainable Crop Production (4)
- Completed the following:
  - AQUA254 - Nutrition of Aquatic Organisms (3)
- Complete 1 of the following
  - Completed the following:
    - BUSN164 - Career Success (3)
  - Completed the following:
    - ENT125 - Starting a Business (3)
- Completed the following:
  - SOC151 - Introduction to Sociology of Food (3)

Grand Total Credits: 12 - 17

Automotive Technology (CO-AMT2)

The Certificate of Competence is awarded to students who successfully complete the first semester of Leeward CC's Automotive Technology (AMT) program. Students earning this certificate will be able to obtain an entry-level position in the automotive repair industry.

The AMT Certificate of Competence consists of:

Required Courses:

AMT 100 Introduction to Automotive Mechanics (2 cr)

AMT 141 Electrical/Electronic Systems I (5 cr)

AMT 152 Brake Systems (4 cr)

AMT 162 Advanced Brake Systems (1 cr)

Total: 12 credits

Elective Courses:

QM 107C Quantitative Methods in Automotive Technology or MATH 100 Survey of Math or equivalent or higher (3 cr)

Total: 3 credits

Total Program credits: 15

All AMT courses must be completed with a C or better grade.

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **AMT100 - Introduction to Automotive Technology (2)**
    - **AMT141 - Electrical/Electronic Systems I (5)**
    - **AMT152 - Brake Systems (4)**
    - **AMT162 - Advanced Brake Systems (1)**
  - **Completed at least 1 of the following:**
    - **QM107C - Quant Methods in AMT (3)**
    - **MATH100 - Survey of Mathematics (3)**

Grand Total Credits: 15

Baking (CO-CULN-BAKG)

This certificate provides a basic foundation for entry-level baking positions in the food and beverage industry.

In order to obtain a Culinary Certificate or Degree, students must pass all culinary classes with a grade of C or better.

CULN 112 Sanitation and Safety (2)

CULN 150 Fundamentals of Baking (5)

MATH 100 Survey of Mathematics or equivalent or higher (3)

Total Credits: 10

Semester 1

10 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **CULN112 - Sanitation and Safety (2)**
    - **CULN150 - Fundamentals of Baking (5)**

- Complete 1 of the following
  - Completed the following:
    - MATH100 - Survey of Mathematics (3)
  - Or equivalent or higher.

Grand Total Credits: 10

Basic Logic and Programming Level 1 (CO-ICS-BLP1)

The Certificate of Competence in Basic Logic and Programming Level 1 provides students an overview of the fundamentals of computer programming. Students will learn the fundamentals of problem solving, algorithm development, implementation, and debugging/testing using an object-oriented programming language. They will also learn the fundamentals of the mathematics behind computer operations.

A minimum of a "C" grade in each course is required to earn this certificate.

The Certificate of Competence in Basic Logic and Programming Level 1 contains these two ICS courses:
ICS 111 - Introduction to Computer Science I (3)
ICS 141 – Discrete Mathematics for Computer Science I (3)

Total credits: 6
These two courses are taught at Leeward CC as part of the ICS courses required to transfer to UH Manoa. This certificate will use the same admission, advising, and counseling resources as the ICS programs. ICS 111 is a programming class. ICS 141 is a mathematics class. The two skills have been identified by the Department of the Navy as meeting a critical need. Furthermore, these two classes are articulated with the ICS BA and BS degrees at UH Manoa. Earning a Certificate of Competence in Basic Logic and Programming will facilitate the transfer of students to UH Manoa who wish to attain these degrees.

Semester 1

6 Total Credits:

- Earned a minimum grade of C in each of the following:
  - ICS111 - Introduction to Computer Science I (3)
  - ICS141 - Discrete Mathematics for Computer Science I (3)

Grand Total Credits: 6

Basic Logic and Programming Level 2 (CO-ICS-BLP2)

The Certificate of Competence in Basic Logic and Programming Level 2 provides students with the second semester of computer programming and the mathematics of computers. Students will learn the fundamentals of data structures, searching and sorting algorithms, recursion, polymorphism, inheritance, and encapsulation using an object-oriented programming language.

They will also learn the mathematical concepts behind computer operations, such as graphs, trees, Boolean algebra, finite-state machines, formal languages, program correctness, and solving recurrence relations.

A minimum grade of "C" in each course is required to earn the certificate.

The Certificate of Competence in Basic Logic and Programming Level 2 contains these two ICS courses:
ICS 211 - Introduction to Computer Science II (3)
ICS 241 – Discrete Mathematics for Computer Science II (3)

Total credits: 6
These two courses are taught at Leeward CC as part of the ICS courses required to transfer to UH Manoa. This certificate will use the same admission, advising, and counseling resources as the ICS programs. ICS 211 is a programming class. ICS 241 is a mathematics class. The two skills have been identified by the Department of the Navy as meeting a critical need. Furthermore, these two classes are articulated with the ICS BA and BS degrees at UH Manoa. Earning a Certificate of Competence in Basic Logic and Programming will facilitate the transfer of students to UH Manoa who wish to attain these degrees.

Semester 1

6 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ICS211 - Introduction to Computer Science II (3)**
  - **ICS241 - Discrete Mathematics for Computer Science II (3)**

Grand Total Credits: 6

Business Foundations (CO-BUS-BUSF)

This certificate provides a foundation for those who seek to achieve basic skills and knowledge that will prepare them to find employment in various areas of a business organization. The courses required in the certificate can be applied towards the requirements of the Associate in Science degree in Business.

All courses require a grade of "C" or better.

The CO in Business Foundations contains these three courses:

BUS 120 Principles of Business (3)

BUSN 164 Career Success (3)

MGT 121 Service Excellence (3)

Total Credits: 9

Semester 1

9 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **BUSN164 - Career Success (3)**
  - **MGT121 - Service Excellence (3)**
  - **BUS120 - Principles of Business (3)**

Grand Total Credits: 9

CO-Cloud Security Specialist (CO-ICS-CSP)

Students will be introduced to the essentials of computer security in the cloud. They will perform basic ethical (white hat) hacking, and learn about the moral and legal issues that are involved while performing the learned techniques. Students will use tools to validate user's identity and prevent data from leaving an organization's perimeter. Students will learn tools to deploy a zero trust network.

All courses must be passed with a grade of "C" or better.

This certificate contains these three ICS courses:

- **ICS 215 Introduction to Scripting (3)**
- **ICS 281 Ethical Hacking (3)**
- **ICS 284 Cloud Security (3)**

Total Credits: 9

This certificate is for career retraining. Students obtaining just the certificate will have the prerequisites for each course by means of previous experience. This certificate will use the same admission, advising, and counseling resources as the ICS program.

Semester 1

3 Total Credits:

- **Completed the following:**
  - **ICS281 - Ethical Hacking (3)**

Semester 2

6 Total Credits:

- **Completed the following:**
  - **ICS215 - Introduction to Scripting (3)**

- ICS284 - Cloud Security (3)

Grand Total Credits: 9

Computer Integrated Manufacturing (CO-MECH-CMFG)

This certificate provides students with the essential knowledge and skills to excel in modern manufacturing environments. The certificate focuses on key areas including Computer-Aided Design (CAD), Computer-Aided Manufacturing (CIM), Computer Numeric Control (CNC), and Metallurgy, as well as safety and process quality. The program equips with the ability to design and fabricate parts and assemblies. By combining theoretical instruction with hands-on experience, students will be prepared to meet the demands of industries that utilize automated and computer-integrated systems. Graduates will be ready for roles such as CNC machinists, manufacturing technicians, and quality control specialists.

A passing grade of C or higher is required for all coursework included in this certificate.

Core Requirements: 20 Credits

MECH 101 Industrial Safety Health and Environment (3)

MECH 151 Technical Design and Prototyping (4)

MECH 171 Principles of Process Quality (3)

MECH 191 Metallurgy (3)

MECH 271 Computer Integrated Manufacturing (4)

MATH 103 College Algebra (3) or higher STEM track MATH

Total credits: 20

Semester 1

10 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - MECH101 - Industrial Safety Health and Environment (3)
    - MECH151 - Technical Design and Prototyping (4)
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - MATH103 - College Algebra (3)
    - **or higher STEM track MATH**

Semester 2

6 Total Credits:

- Earned a minimum grade of C in each of the following:
  - MECH171 - Principles of Process Quality (3)
  - MECH191 - Metallurgy (3)

Semester 3

4 Total Credits:

- Earned a minimum grade of C in each of the following:
  - MECH271 - Computer Integrated Manufacturing (4)

Grand Total Credits: 20

Culturally Responsive Teaching (CO-TCH2-CRT)

The goal of this program is to produce culturally responsive teachers versed in Hawaiian and indigenous knowledge, pedagogy and worldview. The CO in Culturally Responsive Teaching (CRT) will provide students with opportunities to pursue positions as paraeducators or enhance skills for current inservice teachers. The certificate will provide a microcredential and preparation for students planning careers in teaching as well as provide professional development and career advancement for current inservice teachers. Upon completion of this program students will be able to: - Identify indigenous educational frameworks and teaching practices and the impact on Native Hawaiian and other diverse populations. - Analyze language development and reflect on the connection between language, identity and learning - Examine strategies to reduce prejudice and stereotypes through lesson planning and curriculum design - Design and implement standards-based, place-based and culture-based curriculum - Demonstrate understanding of Hawaiian thought and worldview through Hawaiian language expression and various modes of communication - Develop a basic vocabulary of Hawaiian words, images, and phrases through various modes of communication - Explain the connections of historical events to modern issues in relation to the unique social, political and economic history of Hawai‘i, including concepts such as colonization and decolonization, occupation, independence movements, sovereignty

Students can obtain this certificate simultaneously with course work toward their AST degree. All four courses in this certificate apply to the AST degree. A minimum of 2.0 GPA is required.

The certificate contains these courses:

- **HAW 101 (Elementary Hawaiian I) 4 credits**
- **HWST 107 (Hawai'i: Center of the Pacific) 3 credits**
- **ED237 (Indigenous Perspectives in Teaching) 3 credits**
- **ED277 (Introduction to Multicultural Education) 3 credits**

Semester 1

13 Total Credits:

- Completed the following:
  - HWST107 - Hawai'i: Center of the Pacific (3)
  - HAW101 - Elementary Hawaiian I (4)
  - ED277 - Introduction to Multicultural Education (3)
  - ED237 - Indigenous Perspectives in Teaching (3)

Grand Total Credits: 13

Digital Photography (CO-DMED-DP)

This certificate provides students with both the technical and visual communication skills required for a variety of careers related to photography and imaging. The program combines an understanding of how digital cameras work with the concepts of digital capture, lighting, exposure evaluation, file formatting, image manipulation and composition.

All courses must be passed with a grade of "C" or better.

- **ART 107D Introduction to Digital Photography (3)**
- **ART 112 Intro to Digital Arts (3)**
- **ART 207D Intermediate Digital Photography (3)**

Total Credits: 9

These classes already exist and are taught at Leeward CC on a regular basis. They also form a part of the DMED program requirements. This certificate will use the same admission, advising, and counseling resources as other programs.

Semester 1

6 Total Credits:

- Completed the following:
  - ART107D - Introduction to Digital Photography (3)
  - ART112 - Intro to Digital Arts (3)

Semester 2

3 Total Credits:

- Completed the following:
  - ART207D - Intermediate Digital Photography (3)

Grand Total Credits: 9

Digital Video (CO-DMED-DV)

In this certificate, students will meet the challenges of real-world video production in a variety of global and local contexts. Students will experience storytelling, shooting, editing, and directing.

All courses must be passed with a grade of "C" or better.

- **DMED 150 Film Analysis & Storytelling (3)**
- **DMED 126 Intro to Digital Camera Operation, Composition, & Lighting Principles (3)**
- **DMED 142 Film & Video Acquisition & Recording (3)**
- **DMED 151 Intro to Film and Video Editing Principles (3)**

Total Credits: 12

These courses form a part of the DMED program requirements. This certificate will use the same admission, advising, and counseling resources as other programs.

Semester 1

12 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **DMED150 - Film Analysis & Storytelling (3)**
  - **DMED126 - Introduction to Digital Camera Operation, Composition, & Lighting Principles (3)**
  - **DMED151 - Introduction to Film & Video Editing Principles (3)**
  - **DMED142 - Film & Video Audio Acquisition & Recording (3)**

Grand Total Credits: 12

Dining Room Supervision (CO-CULN-DRSU)

This certificate provides a basic foundation for entry-level, front-of-house positions in the food and beverage industry.

In order to obtain a Culinary Certificate or Degree, students must pass all culinary classes with a grade of C or better.

CULN 112 - Sanitation and Safety (2)

CULN 160 - Dining Room Operations (5)

CULN 276 - Human Resources Management and Supervision in the Hospitality Industry (2)

Total Credits: 9

Semester 1

7 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **CULN112 - Sanitation and Safety (2)**
  - **CULN160 - Dining Room Operations (5)**

Semester 2

2 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **CULN276 - Human Resources Management and Supervision in the Hospitality Industry (2)**

Grand Total Credits: 9

Graphic Design (CO-DMED-DGD)

This certificate provides students with training in practical, technical and theoretical skills used by graphic arts and allied industries in the areas of publication and print promotion.

All courses must be passed with a grade of "C" or better.

- **ART 112 Intro to Digital Arts (3)**
- **ART 113D Introduction to Digital Drawing (3)**
- **ART 221 Design for Print and Web (3)**

Total Credits: 9

These classes already exist and are taught at Leeward Community College on a regular basis. They also form a part of the DMED program requirements. This certificate will use the same admission, advising, and counseling resources as other programs.

Semester 1

6 Total Credits:

- **Completed the following:**
  - **ART112 - Intro to Digital Arts (3)**
  - **ART113D - Introduction to Digital Drawing (3)**

Semester 2

3 Total Credits:

- **Completed the following:**
  - **ART221 - Design for Print and Web (3)**

Grand Total Credits: 9

Health Information Technology (CO-HIT)

This certificate develops a foundation in records and information management for a medical facility and the health information technology profession. Students completing the certificate will have the skills and knowledge necessary to assist in maintaining accurate and timely medical data in clinics, hospitals, and other health care organizations. The certificate will lead to job opportunities as patient access clerks, physician office clerks, registrars, registration clerks, and ward clerks.

To obtain a Health Information Technology (HIT) Certificate of Competence (CO), students must pass all required courses with a grade of C or better.

HIT 101 Healthcare Delivery Systems (3)

HLTH 110 Medical Terminology (2)

ENG 100 Composition I (3)

PHYL 141 Human Anatomy and Physiology I (3)*

PHYL 141L Human Anatomy and Physiology I Lab (1)*

BUS 101 Business Information Systems (3) or ICS 101 Digital Tools for the Information World (3)

Total credits: 15

***Prerequisite:1-year of high school college-prep chemistry with a B or better within the last 5 years, or a C or better in one of the following: CHEM 151, CHEM 161, or BIOC 141**

The program is organized so that the student builds a foundation (CO = 15 credits; CA = 30 credits; AS = 61 credits) as progressing through a recommended group of courses. Courses with required knowledge have prerequisites, and the counselors will have the program information to guide the student into proper course sequence.

The program is designed to meet the (1) employment needs of the health care organizations and (2) needs of students who wish to participate in a training program that will lead to a Certificate of Competence (CO) in Health Information Technology (HIT) with the opportunity to obtain entry-level positions and advance to higher levels in medical facilities. The Leeward CC counselors, especially the counselor assigned to the Business Division, will be responsible for advising future and current students in the HIT Program.

Semester 1

15 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **HIT101 - Healthcare Delivery Systems (3)**
    - **HLTH110 - Medical Terminology (2)**
    - **ENG100 - Composition I (3)**
    - **PHYL141 - Human Anatomy and Physiology I (3)**
    - **PHYL141L - Human Anatomy and Physiology I Lab (1)**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **BUS101 - Business Info Systems (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **ICS101 - Digital Tools for the Information World (3)**

Grand Total Credits: 15

Help Desk (CO-ICS-HDS)

This program will enable students to pursue entry-level career opportunities as IT Help Desk Technicians. As organizations grow increasingly reliant on IT technologies in furthering and accomplishing their missions, so too does reliance on personnel equipped to support these technologies, in terms of software/hardware issues, both remotely and on-site. Computer Support Specialists provides such support.

To earn the certificate, a minimum of a "C" grade in each of the courses is required.

ICS courses 12 credits:

ICS 101 Digital Tools for the Information World (3)

ICS 125 Personal Computer Maintenance and Repair (3)

ICS 171 Introduction to Computer Security (3)

ICS 184 Introduction to Networking (3)

Elective 6 credits:

SP 151 Personal and Public Speech (3) or SP 251 Principles of Effective Public Speaking (3)

Any ICS or DMED course or MGT 121 Customer Service (3)

Total credits: 18

These courses are taught at Leeward CC as part of the ICS AS. This certificate will use the same admission, advising, and counseling resources as the ICS program.

Semester 1

12 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ICS101 - Digital Tools for the Information World (3)**
  - **ICS125 - Personal Computer Maintenance and Repair (3)**
  - **ICS171 - Introduction to Computer Security (3)**
  - **ICS184 - Introduction to Networking (3)**

Semester 2

6 Total Credits:

- **Complete all of the following**
  - **Complete 1 of the following**
    - **Earned a minimum grade of C in each of the following:**
      - **SP151 - Personal and Public Speech (3)**
    - **Earned a minimum grade of C in each of the following:**
      - **SP251 - Principles of Effective Public Speaking (3)**
  - **Complete 1 of the following**
    - **Completed at least 3 credits from the following types of courses: Any ICS or DMED courses with a C or better grade.**
    - **Earned a minimum grade of C in each of the following:**
      - **MGT121 - Service Excellence (3)**

Grand Total Credits: 18

Hospitality and Tourism (CO-BUS-HOST)

The Hospitality and Tourism Certificate of Competence is designed for those who seek to achieve basic skills and knowledge that will prepare them to find employment in various segments of the hospitality and tourism industry. Students selecting the Certificate may have background experience in the field or be seeking a career area. The courses required in the Certificate are applicable to the AS degree in Business.

All Business Division courses in this certificate (MGT and HOST) require a grade of "C" or better.

The CO in Hospitality and Tourism contains these five courses:

MGT 121 Service Excellence (3)

HOST 101 Introduction to Hospitality and Tourism (3)
HOST 152 Front Office Operations (3)
HOST 154 Food and Beverage Operations (3)
***Foreign language (100 or above) elective (3-4)**

Total Credits: 15-16

The program is comprised of one certificate with five (5) classes. 4 of the courses are taught within the Business Program. The foreign language elective could be any foreign language.

Semester 1

15 - 16Total Credits

- **Complete all of the following**
  - **Completed the following:**
    - **MGT121 - Service Excellence (3)**
    - **HOST101 - Introduction to Hospitality and Tourism (3)**
    - **HOST152 - Front Office Operations (3)**
    - **HOST154 - Food and Beverage Operations (3)**
  - **Complete 1 of the following**
    - **Completed at least 3 credits from the following types of courses: One foreign language course (100 or above).**
    - **Completed at least 4 credits from the following types of courses: One foreign language course (100 or above).**

Grand Total Credits: 15 - 16

Human Services/Substance Use Disorders Counseling (CO-SUDS)

The Human Services (HSER) Certificate of Competence in Substance Abuse Counseling Program provides education and skill development for people interested in pursuing a career as substance use disorders (SUDs) counselors, as well as for those already working in the helping professions and who wish to hone their knowledge and skills. The CO-SUDS program offers a specialization for people with BA and MA degrees in such areas as social work, psychology, counseling, marriage and family counseling, and additional expertise for professionals in law enforcement, nursing, education, and rehabilitation counseling. Learners will focus on developing both basic and intermediate-level knowledge and skills required for entrance-level substance use disorder counselors. They will be encouraged to develop personal maturity through self-exploration, and the adoption of a professional demeanor that will support their entry into the substance use disorder counseling field. Learners can fulfill a sizable portion of the IC & RC Twelve Core Functions of the Alcohol and Drug Abuse Counselor requirements with the completion of a substance use disorder counseling certificate program. The coursework will also assist one in preparing for the state certification exam. Please be advised that completing Leeward CC's certificate program is not the same as obtaining the state certification. Contact the Department of Health, Alcohol and Drug Abuse Division (ADAD), Certification Unit for additional information about such requirements. (http://hawaii.gov/health/about/admin/health/

substance-abuse/index.html). It is highly recommended that learners work to complete along with the certificate, an AA degree in Liberal Arts if they currently have no degree. All of the HSER courses may be applied toward the elective credit requirements for the AA degree. Completion of the certificate equals 2,000 hours toward the ADAD education and experiential requirement with the potential for securing an additional 400 fieldwork hours when signed off by a CSAC supervisor, which also contributes toward the ADAD experiential hours requirement.

The Certificate of Competence in Substance Use Disorders Counseling consists of:

HSER 100 Exploration of Self in Society (3) credits

HSER 140 Individual Counseling (3) credits

HSER 245 Group Counseling (3) credits

HSER 268 Survey of Substance Use Disorders (3) credits

HSER 270 Substance Use Disorders Counseling (3) credits

HSER 294 Seminar & Fieldwork I (3) credits

HSER 295 Seminar & Fieldwork II (3) credits

Total Program: 21 credits

In order for a learner to enroll in human service (HSER) courses, one must qualify for placement into ENG 100 based on current placement standards.

The CO in Substance Use Disorders Counseling Program requires a minimum of a C grade in all courses to matriculate through the program.
Typically, this is a two-year, part-time program of study. In most cases, one needs to complete HSER 100, 140, 245, 268 & 270 (in any order) prior to enrollment in the fieldwork courses HSER 294 and HSER 295, which typically are completed in the second year.
Prior to entering the internship/fieldwork experience and enrolling in HSER 294 & 295, but after completing all previous program courses (or with instructor approval), the learner must be officially accepted into the CO in Substance Use Disorders Counseling Program. Learners will complete a formal application (to be provided by the program coordinator) before being accepted into the fieldwork part of the program. Upon acceptance into the program, they will then need to secure a commitment from a substance use disorder treatment program in order to complete their internship. In most cases, learners need to be living an abstinent (if in recovery) lifestyle for a minimum of two years and for some agencies, up to three years, in order to intern at a substance use disorders treatment facility.

***Background checks of applicants are often done by fieldwork agencies prior to acceptance. There are only a few agencies who accept those on probation or parole as interns.**

***Felonies that are substance use related have typically not been a barrier to work within this field, however having other felonies could be an obstacle to working with clients. Contact DOH Alcohol & Drug Abuse Division (ADAD) Certification Department if you have any questions about becoming a Certified Substance Abuse Counselor (CSAC).**

Semester 1

9 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HSER140 - Individual Counseling (3)**
  - **HSER268 - Survey of Substance Use Disorders (3)**
  - **HSER100 - Exploration of Self in Society (3)**

Semester 2

6 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HSER245 - Group Counseling (3)**
  - **HSER270 - Substance Use Disorders Counseling (3)**

Semester 3

3 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HSER294 - Seminar & Fieldwork I (3)**

Semester 4

3 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **HSER295 - Seminar & Fieldwork II (3)**

Grand Total Credits: 21

Information Security Specialist (CO-ICS-ISSP)

Students will be introduced to the essentials of computer security. They will perform basic ethical (white hat) hacking, and learn about the moral and legal issues that are involved while performing the learned techniques. Students will learn how to perform basic computer forensics such as operating system diagnostics, as well as to use a forensic tool kit to examine and validate computer activity. Students will acquire knowledge about the proper techniques for data collection, examination and preservation of forensic data.

To earn the certificate, a minimum of a C grade in each of the courses is required.

This certificate is for career retraining.

Students obtaining just the certificate will have the prerequisites for each course by means of previous experience.

This certificate contains these three ICS courses:

ICS 215 Introduction to Scripting (3)

ICS 281 Ethical Hacking (3)

ICS 282 Computer Forensics (3)

Total credits: 9

These three courses are taught at Leeward CC as part of the AS in ICS. This certificate will use the same admission, advising, and counseling resources as the ICS program.

Semester 1

3 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ICS215 - Introduction to Scripting (3)**

Semester 2

6 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **ICS281 - Ethical Hacking (3)**
  - **ICS282 - Computer Forensics (3)**

Grand Total Credits: 9

Management Foundations (CO-BUS-MGTF)

Provides insight to practical applications of managerial and human resource functions and marketing fundamentals.

All courses require a grade of "C" or better.

The CO in Management Foundations contains these three courses:

MGT 120 Principles of Management (3)
MGT 124 Human Resource Management (3)

MKT 120 Principles of Marketing (3)
Total Credits: 9
The program is comprised of three certificates with 8 core classes. This certificate represents

one of the three certificates and is comprised of 3 of the 8 core classes. These classes already exist and are taught at Leeward CC. It would use the same admission, advising, and counseling resources as other vocational programs.

Semester 1

9 Total Credits:

- **Completed the following:**
  - **MGT120 - Principles of Management (3)**
  - **MGT124 - Human Resource Management (3)**
  - **MKT120 - Principles of Marketing (3)**

Grand Total Credits: 9

Mechatronics (CO-MECH)

This certificate is intended to provide students with entry-level skills in hydraulic, pneumatic, and mechanical drive systems in an automated controls environment to meet the workforce needs of an emerging industrial technology industry. Students will be able to perform inspection, preventative maintenance, and corrective maintenance while applying proper safety, health, and personal protection procedures.

All courses must be completed with a C or better grade.

Core Requirements: 13 credits

- **MECH 101 Industrial Safety Health and Environment (3)**
- **MECH 121 Electro-hydraulics and Pneumatics (3)**
- **MECH 131 Mechanical Drive Systems (3)**
- **MECH 151 Technical Design and Prototyping (4)**

General Education Requirements: 3 credits

- **MATH 103 College Algebra (3) or higher STEM math**

Total Credits: 16

Semester 1

16 Total Credits:

- **Complete all of the following**
  - **Earned a minimum grade of C in each of the following:**
    - **MECH101 - Industrial Safety Health and Environment (3)**
    - **MECH121 - Electro-Hydraulics and Pneumatics (Fluid Power Systems) (3)**

        - MECH131 - Mechanical Drive Systems (3)
        - MECH151 - Technical Design and Prototyping (4)
    - Complete 1 of the following
        - Earned a minimum grade of C in each of the following:
            - MATH103 - College Algebra (3)
        - or higher STEM math

Grand Total Credits: 16

Motion Graphics (CO-DMED-DMMG)

This certificate prepares students for a variety of careers in the multimedia industries. In order to establish a digital literary core, this truly comprehensive certificate starts students out with the basics of 2D and 3D animation. Students build a strong foundation in digital Art, visual, and information design and animation for Film and TV.

All courses must be passed with a grade of "C" or better.

- **DMED 140 Principles of Animation (3)**
- **DMED 141 Intro to 3-D Animation & Visual Effects (3)**
- **DMED 240 Animation & Special Effects (3)**

Total Credits: 9

These classes already exist and are taught at Leeward CC on a regular basis. They also form a part of the DMED program requirements. This certificate will use the same admission, advising, and counseling resources as other programs.

Semester 1

6 Total Credits:

- **Completed the following:**
    - DMED140 - Principles of Animation (3)
    - DMED141 - Introduction to 3D Animation (3)

Semester 2

3 Total Credits:

- Completed the following:
  - DMED240 - Animation & Special Effects (3)

Grand Total Credits: 9

Network Support Specialist (CO-ICS-NSSP)

This certificate provides students with the essentials of computer security, the fundamentals of network design, and the advanced components of network design. This includes using encryption, activity monitoring, intrusion detection, security policies, security administration, basic switching and routing, wired and wireless networking, wide area networking, Internet Protocol Version 4 (IPv4) and Internet Protocol Version 6 (IPv6) routing, and route optimization.

To earn the certificate, a minimum of a C grade in each of the courses is required.

This certificate contains these five ICS courses:

ICS 111 Introduction to Computer Science I (3)

ICS 184 Introduction to Networking (3)

ICS 215 Introduction to Scripting (3)

ICS 273 Network Design and Administration (3)

ICS 274 Advanced Network Design and Administration (3)

Total credits: 15

These courses are taught at Leeward CC as part of the AS in ICS. This certificate will use the same admission, advising, and counseling resources as the ICS program.

Semester 1

6 Total Credits:

- Earned a minimum grade of C in each of the following:
  - ICS111 - Introduction to Computer Science I (3)
  - ICS184 - Introduction to Networking (3)

Semester 2

9 Total Credits:

- Earned a minimum grade of C in each of the following:
  - ICS215 - Introduction to Scripting (3)
  - ICS273 - Network Design and Administration (3)

- ICS274 - Advanced Network Routing and Optimization (3)

Grand Total Credits: 15

Preparation Cook (CO-CULN-FSPC)

The certificate provides a basic foundation for entry-level, prep cook positions in the food and beverage industry.

In order to obtain a Culinary Certificate or Degree, students must pass all culinary classes with a grade of C or better.

CULN 112 - Sanitation and Safety (2)

CULN 120 - Fundamentals of Cookery (5)

CULN 125 - Fundamentals of Cookery II (5)

Total Credits: 12

Semester 1

12 Total Credits:

- **Earned a minimum grade of C in each of the following:**
  - **CULN112 - Sanitation and Safety (2)**
  - **CULN120 - Fundamentals of Cookery (5)**
  - **CULN125 - Fundamentals of Cookery II (5)**

Grand Total Credits: 12

Software Developer (CO-ICS-SDSP)

Students will develop applications in at least two object-oriented languages using data structures, recursion, and graphical user interfaces. Students will analyze and select appropriate algorithms for sorting and searching. Students will use mathematical models, which have implications for computer science. Students will be prepared for upper-division ICS courses.

A minimum of a "C" grade in each course is required to earn the certificate.

This certificate is for career retraining.

Students obtaining just the certificate will have the prerequisites for each course by means of previous experience.

This certificate contains these two required ICS courses:

- **ICS 211 Introduction to Computer Science II (3)**

- ICS 241 Discrete Mathematics for Computer Science II (3)

Students are also required to select one of the following two ICS courses to complete this certificate:

- ICS 212 Program Structure (3)
- ICS 215 Introduction to Scripting (3)

Total credits: 9

These courses are taught at Leeward CC as part of the AS in ICS. This certificate will use the same admission, advising, and counseling resources as the ICS program.

Semester 1

6 Total Credits:

- Earned a minimum grade of C in each of the following:
  - ICS211 - Introduction to Computer Science II (3)
  - ICS241 - Discrete Mathematics for Computer Science II (3)

Semester 2

3 Total Credits:

- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - ICS212 - Program Structure (3)
  - Earned a minimum grade of C in each of the following:
    - ICS215 - Introduction to Scripting (3)

Grand Total Credits: 9

Special Education Certificate of Competence II (CO-TCH2-SPE2)

The Special Education Certificate of Competence II is designed to provide more specialized and comprehensive preparation in special education law, IEP development, assessment, educational technology, literacy intervention, and professionalism for those pursuing a teaching degree in special education or wishing to increase their knowledge in the field of special education. The certificate is for candidates who have completed an associate-level degree and includes five 3-credits upper division special education courses and a 1-credit course in either behavior analytic training or professional collaboration. The certificate is not a licensure program in itself, but includes coursework that is part of an official articulation agreement for a 4-year degree leading to SPED teacher licensure.

(1cr) ED 143: Registered Behavior Technician Training Credential (formerly offered as ED 298B) or (1cr) ED 282C:

- Collaboration and Teaming Lab (formerly ED 298L and ED 282L) (3cr)

- ED 330: SPED Law and IEP Development (3cr)
- ED 331: SPED Assessment (3cr)
- ED 332: ELA Instruction and Interventions (3cr)
- ED 334: Participating in a Professional Community (3cr)
- ED 335: Educational Technology for Students with Exceptionalities

Semester 1

16 Total Credits:

- Complete all of the following
  - Completed the following:
    - ED330 - SPED Law and IEP Development (3)
    - ED331 - Special Education Assessment (3)
    - ED332 - English Language Arts Instruction and Interventions (3)
    - ED334 - Participating in a Professional Community (3)
    - ED335 - Educational Technology for the Inclusive Classroom (3)
  - Completed at least 1 of the following:
    - ED143 - Registered Behavior Technician Training Credential (1)
    - ED282C - Collaboration and Teaming Practicum (1)

Grand Total Credits: 16

Special/Inclusive Education Certificate (CO-TCH2-SPED)

The Certificate of Competence in Special /Inclusive Education will provide students with opportunities to pursue positions as paraeducators or enhance skills as already certified teachers. Upon completion of the certificate, the student will be able to: Describe characteristics of children with disabilities and developmental milestones for typically developing children. Plan and deliver instruction appropriate to including children with disabilities within the general curriculum. Communicate with parents/guardians using culturally and linguistically diverse strategies to meet students; instructional goals and create individualized education plans (IEP). Apply evidence-based practices (EBPs) to assess student learning, use appropriate instructional strategies for tiered levels of intervention, monitor and report on progress. Establish and maintain a safe learning environment. Describe the appropriate responsibilities related to each member of the multidisciplinary support team and execute ethical practices as a professional. The Special /Inclusive Education Certificate of Competence contains 6 courses for a total of 16 credits. These six classes are taught at Leeward Community College at least once a year and will be offered online and face to face. They also form a part of the AAT program requirements. This certificate will use the same admission, advising, and counseling resources as the AAT programs. Core Content includes: ED 284 Foundation of Inclusion in Teaching (3 credits). This course provides essential knowledge of special education history, law and policies that teachers and paraeducators must comply with in their everyday practice. ED 282 Collaboration and Working in the Multidisciplinary Team (3 credits) focuses on understanding roles and responsibilities in working with special education and related service professionals, which is an essential component in today's inclusive classrooms and a requirement to

collaborate with multiple members of the interdisciplinary team for a student's Individual Educational Plan (IEP). ED 282B: Collaboration and Working in the Multidisciplinary Team Lab (1 credit) or ED 143 (formerly ED 298B and ED 281) : RBT Training Credential (1 credit) equips students to deliver Applied Behavioral Analysis therapy for students with behavioral needs. ED 283 Partnership with Culturally and Linguistically Diverse Families (3 credits) focuses on the skills necessary for working effectively with families of students with disabilities and transition planning. ED 285 Classroom Management (3 credits) will build skills for effectively managing behaviors within the general classroom setting. ED 289 Educational Psychology (3 credits) focuses on developmentally appropriate instructional design and delivery. All six courses in the core content combine both skills and application so that the candidates for the certificate can be well equipped to meet the new demands of today's classroom environment.

The Special /Inclusive Education Certificate of Competence contains 6 courses for a total of 16 credits. These six classes are taught at Leeward Community College at least once a year and will be offered online and face to face. They also form a part of the AAT program requirements.

This certificate will use the same admission, advising, and counseling resources as the AAT programs.

Core Content includes:

- **ED 282 Collaboration and Working in the Multidisciplinary Team (3 credits) focuses on understanding roles and responsibilities in working with special education and related service professionals, which is an essential component in today's inclusive classrooms and a requirement to collaborate with multiple members of the interdisciplinary team for a student's Individual Educational Plan (IEP).**
- **ED 282B: Collaboration and Working in the Multidisciplinary Team Lab (1 credit) or ED 143: Registered Behavior Technician Training (1 credit) focuses on delivering applied behavioral analysis for individuals with behavioral needs.**
- **ED 283 Partnership with Culturally and Linguistically Diverse Families (3 credits) focuses on the skills necessary for working effectively with families of students with disabilities and transition planning.**
- **ED 284 Foundation of Inclusion in Teaching (3 credits). This course provides essential knowledge of special education history, law and policies that teachers and paraeducators must comply with in their everyday practice.**
- **ED 285 Classroom Management (3 credits) will build skills for effectively managing behaviors within the general classroom setting.**
- **ED 289 Educational Psychology (3 credits) focuses on developmentally appropriate instructional design and delivery.**

All six courses in the core content combine both skills and application so that the candidates for the certificate can be well equipped to meet the new demands of today's classroom environment.

Semester 1

9 Total Credits:

- **Completed the following:**
  - **ED283 - Family-Professional Partnerships in Education (3)**
  - **ED284 - Foundations of Inclusion in Teaching (3)**
  - **ED285 - Classroom Management in the Instructional Process (3)**

Semester 2

7 Total Credits:

- **Complete all of the following**
  - **Completed the following:**
    - **ED282 - Collaboration: Roles and Responsibilities as a Member of the Multidisciplinary Team (3)**
    - **ED289 - Educational Psychology (3)**
  - **Completed at least 1 of the following:**
    - **ED143 - Registered Behavior Technician Training Credential (1)**
    - **ED282C - Collaboration and Teaming Practicum (1)**

Grand Total Credits: 16

Sustainable Agriculture (CO-AGSU)

This Certificate offers comprehensive courses to help students develop skills and acquire knowledge in plant production and agricultural systems through hands-on practices and classroom instruction. It will provide students interested in agricultural production with fundamental skills and experiences in tropical sustainable crop production.

A "C" grade is required for all courses.

Core Requirements: 5 credits

- **AG 100 Orientation to Hawai'i Agriculture Industry (1)**
- **AG 104 Food Safety & Post-Harvest Handling (1)**
- **AG 122 Soil Technology (3)**

Complete one of the following options: 4 credits

- **BOT 130+ BOT 130L Plants in the Hawaiian Environment + Lab (4)**
- **AG 110+AG 110L Hawaii Horticulture and Nutrition + Lab (4)**
- **AG 112 Introduction to Organic Agriculture (4)**
- **AG 200+ AG 200L Principles of Horticulture + Lab (4)**

Electives: 3 - 4 credits

- **AG 141 Integrated Pest Management (3)**

- AG 259 Greenhouse Production (3)
- AG 251 Sustainable Crop Production (4)
- AG 260 Tropical Landscape (4)
- AG 267 Introduction to Beekeeping (3)
- AG 269 Ornamental Plant Materials (3)

Total credits: 12 - 13

The program provides comprehensive courses in plant science and agriculture. The subjects include plants, soils, pest management, and agricultural systems. Students will have an opportunity to pursue CA and AS degrees, which build upon this program.

Semester 1

5 Total Credits:

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - AG100 - Orientation to Hawai‘i Agriculture Industry (1)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - BOT130 - Plants in the Hawaiian Environment (3)
      - BOT130L - Plants in the Hawaiian Environment Lab (1)
    - Earned a minimum grade of C in each of the following:
      - AG110 - Hawai‘i Horticulture and Nutrition (3)
      - AG110L - Hawai‘i Horticulture and Nutrition Lab (1)
    - Earned a minimum grade of C in each of the following:
      - AG112 - Introduction to Organic Agriculture (4)
    - Earned a minimum grade of C in each of the following:
      - AG200 - Principles of Horticulture (3)
      - AG200L - Principles of Horticulture Lab (1)

Semester 2

7 - 8Total Credits

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - AG104 - Food Safety & Post-Harvest Handling (1)
    - AG122 - Soil Technology (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - AG141 - Integrated Pest Management (3)
    - Earned a minimum grade of C in each of the following:
      - AG259 - Greenhouse Production (3)

- Earned a minimum grade of C in each of the following:
    - AG251 - Sustainable Crop Production (4)
- Earned a minimum grade of C in each of the following:
    - AG260 - Tropical Landscape (4)
- Earned a minimum grade of C in each of the following:
    - AG267 - Introduction to Beekeeping (3)
- Earned a minimum grade of C in each of the following:
    - AG269 - Ornamental Plant Materials (3)

Grand Total Credits: 12 - 13

Faculty, Staff and Administration Listing

Administration Directory

Administration

Office of the Chancellor

Carlos Peñaloza, Chancellor
Doctor of Philosophy; Master of Philosophy, The City University of New York
Bachelor of Arts, Queens College

Debbie Nakagawa, Assistant to Senior Executive
Bachelor of Business Administration, University of Hawai‘i at Mānoa

Lani O'Neal *(Civil Service)*

Grants Research & Program Development

Marketing & Communications

Title IX Office

Office of the Vice Chancellor for Academic Affairs

Keala Chock, Vice Chancellor for Academic Affairs
Master of Public Administration; Bachelor of Arts, University of Hawai‘i at Mānoa

Michelle Igarashi, Dean of Arts & Sciences
Doctor of Philosophy, State University of New York at Stony Brook
Master of Arts; Master of Education; Bachelor of Education, University of Hawai‘i at Mānoa

Kami Kato, Dean of Student Services
Master of Social Work, Boston University
Bachelor of Arts, University of Hawai‘i at Mānoa

Leanne Riseley, Dean of Academic Services
Master of Education, University of Hawai‘i at Mānoa
Bachelor of Science, University of Colorado

Summer Barrett, Interim Dean of Career & Technical Education
Master of Education, University of Hawai‘i at Mānoa
Bachelor of Science, University of Puget Sound

Feebe Cabulera *(Civil Service)*

Shannon Lono *(Civil Service)*

Charlene Mimuro *(Civil Service)*

Melody Montecillo *(Civil Service)*

Stella Yamamoto *(Civil Service)*

Banner

Office of Planning, Policy & Assessment

Office of the Vice Chancellor of Administrative Services

Kelli Brandvold, Vice Chancellor of Administrative Services
Bachelor of Business Administration, University of Hawai‘i at Mānoa

Rene Inafuku *(APT)*

Kaila Kaawaloa *(Civil Service)*

Arts & Humanities Division Directory

Arts & Humanities

Susan Lum *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Camille Kikuchi *(Civil Service)*

Kosta Kulundzic *(APT)*
Bachelor of Architecture, University of Paris-Val de Seine

Jeffrey Acido *(Faculty)*
Doctor of Philosophy, University of Hawai‘i at Mānoa
Master of Theological Studies, Pacific School of Religion

Lu'ukia Archer *(Faculty)*
Master of Arts; Bachelor of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Alvin Chan *(Faculty)*
Master of Fine Arts, Northwestern University
Bachelor of Arts, University of Hawai‘i at Mānoa

Jessica Choi *(Faculty)*
Master of Music, Northwestern University
Bachelor of Music, Juilliard

Ami Fernandez *(Faculty)*
Master of Arts, American Public University System
Bachelor of Science, University of Hawai‘i at Mānoa

Peter Frary *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Arts, Western Washington State

James Fujita *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Phillip Jung *(Faculty)*
Bachelor of Fine Arts, San Francisco Art Institute

Yutaka Kawahito *(Faculty)*
Master of Fine Arts, Yale School of Art

Abdul Khan *(Faculty)*
Doctor of Philosophy, University of Hawai‘i at Mānoa
Master of Arts, Eastern Washington University

Kalei Laimana *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Steven Laycock *(Faculty)*
Doctor of Philosophy; Master of Arts; Master of Arts; Bachelor of Arts, Indiana University

Tracie Ku'uipo Losch *(Faculty)*
Doctor of Education; Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Mark Minasian *(Faculty)*
Master of Music, Indiana University

Erika Molyneux *(Faculty)*
Master of Education; Bachelor of Fine Arts, University of Hawai‘i at Mānoa

Helena Noordhoff *(Faculty)*
Master of Fine Arts; Bachelor of Fine Arts, University of Hawai‘i at Mānoa

Michael Oishi *(Faculty)*
Master of Arts, University of Washington

Jay Sakashita *(Faculty)*
Doctor of Philosophy, University of Stirling
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Suzette Scotti *(Faculty)*
Master of Arts, Louisiana State University
Master of Arts, University of Virginia
Bachelor of Arts, Vassar College

Thomas Walker *(Faculty)*
Master of Fine Arts, University of Hawai‘i at Mānoa

Business Division Directory

Business

Leslie Blood *(Faculty)*
Juris Doctor, Texas Southern University
Master of Business Administration, Devry University
Bachelor of Science, University of Northern Colorado

Jennie Ann Castillo *(Faculty)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Douglas Choy *(Faculty)*
Master of Business Administration, Hawai‘i Pacific University
Bachelor of Business Administration, University of Hawai‘i at Mānoa

Jennifer Dadoy *(Faculty)*
Master of Business Administration, Hawai‘i Pacific University
Bachelor of Science, Devrey University
Bachelor of Science, University of Phoenix

Faustino Dagdag *(Faculty)*
Bachelor of Business Administration, University of Hawai‘i at Mānoa

Ross Higa *(Faculty)*
Bachelor of Business Administration, University of Hawai‘i at Mānoa

Melinda Lee *(Civil Service)*

Tina Lee *(Faculty)*
Master of Accounting; Bachelor of Business Administration, University of Hawai‘i at Mānoa

Ku'uipo Lum *(Faculty)*
Bachelor of Science, Central Michigan University

Mellissa Moody *(Faculty)*
Bachelor of Business Administration, University of Hawai‘i at Mānoa

Chanel Santiago Hall *(Faculty)*
Master of Healthcare Administration; Bachelor of Science, Western Governors University

Marie (Kinu) Silva *(Faculty)*
Master of Education, Chaminade University
Bachelor of Science, University of Hawai‘i at Mānoa
Associate in Science, Leeward Community College

Rien Vidad *(APT)*
Bachelor of Science, University of Arizona

Evelyn Wong *(Faculty)*
Bachelor of Business Administration, Temple University

Language Arts Division Directory

Language Arts

Yumiko Asai-Lim *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Arts, University of Hawai‘i at Hilo

Paula Asamoto *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Kepa Badis *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Donald Carreira Ching *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Cara Chang *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Arts, University of San Diego

Christian Gilbert *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Ann Inoshita *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Science, Hawai‘i Pacific University

Collin Kaaikaula *(Faculty)*
Master of Arts; Bachelor of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Tiffany Kasoga *(Civil Service)*

Kelly Kennedy *(Faculty)*
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Bachelor of Arts, New College of Florida

Michele Mahi *(Faculty)*
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Donna Matsumoto *(Faculty)*
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Lance Morita *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa

Kazuko Nakamitsu *(Faculty)*
Master of Arts, Monterey Institute
Bachelor of Arts, Kansai Gaidai University

Brandi Reyes *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Arts, Seattle University

Tara Rojas *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

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Doctor of Philosophy; Master of Arts, University of Hawai‘i at Mānoa
Associate in Arts, Leeward Community College

Jade Sunouchi *(Faculty)*
Master of Library & Information Science; Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Christy Takamure *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Dayle Turner *(Faculty)*
Master of Arts, Northern Arizona University

Susan Wood *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Arts, Lewis & Clark College

Carleen Yokotake *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Office of International Programs

Aya Hara-Joesting *(APT)*
Master of Arts, University of Redlands

Math & Sciences Division Directory

Math & Sciences

Ashley Albores *(APT)*
Bachelor's Degree, University of British Columbia Okanagan

William Albritton *(Faculty)*
Master of Science, University of Hawai‘i at Mānoa
Bachelor of Arts, Oberlin College

Michael Bauer *(Faculty)*
Master of Business Administration, University of Hawai‘i at Mānoa
Bachelor of Science, University of Wisconsin-Parkside

Amy Brandenburg *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Arts, Portland State University

Daniel Brayton *(Faculty)*
Doctor of Philosophy; Master of Science, University of California Irvine

Jolie Dollar *(Faculty)*
Doctor of Philosophy, Mississippi State University
Master of Science, University of Arizona
Bachelor of Science, University of California, Davis

Patricia Domingo *(APT)*
Bachelor of Science, University of Hawai‘i at Mānoa

Daniela Dutra Elliott *(Faculty)*
Doctor of Philosophy, University of Hawai‘i at Mānoa
Master of Science, University of Florida

Anuschka Faucci *(Faculty)*
Doctor of Philosophy, University of Hawai‘i at Mānoa

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Darci Francis *(Faculty)*
Master of Education, American College of Education
Bachelor of Arts, University of Hawai‘i at Mānoa

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Doctor of Philosophy; Master of Science, University of Hawai‘i at Mānoa

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Doctor of Philosophy; Bachelor of Science, University of British Columbia

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William Labby *(Faculty)*
Master of Science in Administration, Carnegie Mellon University

Alyssa Macdonald *(Faculty)*
Doctor of Philosophy, University of Hawai‘i at Mānoa
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Kevin Magnuson *(Faculty)*
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Master in Educational Technology, American College of Education
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

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Doctor of Philosophy, University of Exeter
Bachelor of Science, University of Aberdeen

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Blanca Polo *(Faculty)*
Doctor of Philosophy; Master of Science, University of Hawai‘i at Mānoa

Luca Preziati *(Faculty)*
Master’s Degree, Politecnico di Milano
Associate of Applied Science, Stark State College

Alejandro Ramos *(Faculty)*
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Michael Reese *(Faculty)*
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Donn Viviani *(Faculty)*
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Professional Arts & Technology Division Directory

Professional Arts & Technology

Fabiola Castellano *(Civil Service)*

Lee Alan Dung *(Faculty)*
Bachelor of Science, University of Hawai‘i at Mānoa
Associate in Science, Kapi‘olani Community College

Matthew Egami *(Faculty)*
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Jeff Eligio *(Faculty)*
Associate in Science, Leeward Community College

Jason Fernandez *(APT)*
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Curtis Furumoto *(Faculty)*
Bachelor of Science, Full Sail University

Rachel Kingfisher (APT)
Master of Science, Bellevue University
Bachelor of Arts, Northwestern College

Mark Lacasandile *(Faculty)*
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Mary Julie Madarang *(Faculty)*
Associate in Applied Science, Leeward Community College

Gary Manago *(Faculty)*
Master of Education; Bachelor of Education, University of Hawai‘i at Mānoa

Nolan Miyahara *(Faculty)*
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Eric Oto *(Faculty)*

Kelsey Takara *(Faculty)*
Associate in Science, Johnson & Wales University

Tracey Tamura *(Faculty)*
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Associate in Arts; Associate in Applied Science, Leeward Community College

Garren Tonaki *(Faculty)*
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Irwin Yamamoto *(Faculty)*
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Associate in Arts, Leeward Community College

Social Sciences Division Directory

Social Sciences

Corey Adler *(Faculty)*
Doctor of Philosophy; Master of Public Administration; Master of Arts, University of Hawai‘i at Mānoa

Kelsie Aguilera *(Faculty)*
Master of Arts, Binghamton University State University of New York
Bachelor of Arts, University of Miami

Ashley Biddle *(Faculty)*
Doctor of Philosophy; Master of Arts, University of Hawai‘i at Mānoa

P. Jayne Bopp *(Faculty)*
Master of Public Health; Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Arts, Arizona State University

Eunice Brekke *(Faculty)*
Doctor of Philosophy; Master of Arts; Master of Education, University of Hawai‘i at Mānoa
Master of Business Administration; Bachelor of Science, Hawai‘i Pacific University

Weirong Cai *(Faculty)*
Doctor of Philosophy; Master of Arts, University of Hawai‘i at Mānoa

Michael Cawdery *(Faculty)*
Doctor of Philosophy, University of Hawai‘i at Mānoa
Master of Arts, University of Maryland

Anika Gearhart *(Faculty)*
Master of Science, Sacred Heart University
Bachelor of Arts, Mount Holyoke College

Celina Herrera *(Faculty)*
Doctor of Philosophy; Master of Arts, University of Hawai‘i at Mānoa

Jeffrey Judd *(Faculty)*
Doctor of Philosophy; Master of Education, University of Hawai‘i at Mānoa
Bachelor of Science, University of California, Davis
Associate in Arts, Sierra College

Christina Keaulana *(Faculty)*
Doctor of Philosophy; Master of Education, University of Hawai‘i at Mānoa

Gholam Khaleghi *(Faculty)*
Doctor of Philosophy; Master of Science, University of Hawai‘i at Mānoa
Bachelor of Science, Worcester State University

Bruce Lindquist *(Faculty)*
Doctor of Philosophy; Master of Arts, University of Hawai‘i at Mānoa

Marie McKenzie *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa

Brittni Ramos *(Faculty)*
Master of Education; Bachelor of Science, Chaminade University

Lilian Rebamonte-Smith *(Faculty)*
Master of Education; Bachelor of Science, University of Nevada, Las Vegas

Cameron Rivera *(APT)*
Master of Education; Bachelor of Business Administration, University of Hawai‘i at Mānoa

Kristina Rodrigues *(Civil Service)*

Kale'a Silva *(Faculty)*
Doctor of Philosophy; Bachelor of Arts, University of Hawai‘i at Mānoa
Master of Education, Chaminade University

Myatthor Thiha *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Bachelor of Arts, California State University, Fresno

Erin Yagi *(Faculty)*
Master of Education; Bachelor of Education, University of Hawai‘i at Mānoa

Educational Units Directory

Kīpuka & Native Hawaiian Programs

Brandi-Lynn Hyden *(APT)*
Bachelor of Arts, University of Hawai‘i at Mānoa

Momi Kamahele *(Faculty)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa
Associate of Arts, Leeward Community College

Moana Makaimoku *(Faculty)*
Master of Arts in Education, University of Phoenix
Bachelor of Science, University of Hawai‘i at Hilo

Lei‘ala Okuda *(APT)*
Master of Education, University of Hawai‘i at Mānoa
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Adriano Sabagala *(APT)*
Master of Public Health; Bachelor of Arts, University of Hawai‘i at Mānoa

Frankie Sablan *(APT)*
Master of Arts in Teaching, Chaminade University
Bachelor of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Mataniu Schrader *(APT)*
Bachelor of Arts, University of Hawai‘i at Mānoa
Associate in Arts, Leeward Community College

Office of Workforce Development

William Castillo *(Faculty)*
Bachelor of Science, Hawai‘i Pacific University

Ezralei Eugenio *(APT)*
Master of Education; Bachelor of Arts, University of Hawai‘i at Mānoa

June Kauleinamoku *(Civil Service)*

Vincent Kimura *(APT)*

Dayna Lapina *(APT)*
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Associate in Science, Leeward Community College

Patrick Leddy *(Faculty)*
Doctor of Philosophy; Master of Science, Kansas State University
Bachelor of Arts, Saint Anthony Seminary

Elyse Matsumoto *(APT)*
Bachelor of Business Administration, University of Hawai‘i at Mānoa
Associate in Arts, Leeward Community College

Marissa Mier *(Civil Service)*

Michael Scully *(Faculty)*
Master of Business Administration; Bachelor of Business Administration, University of Hawai‘i at Mānoa
Associate in Science, Kapi‘olani Community College

Wahiawā Value Added Product Development Center

Christopher Bailey *(APT)*
Bachelor of Arts, Lewis & Clark College

Naomi Bluesummers *(APT)*
Bachelor of Science, University of Hawai‘i at Mānoa

Roden Tauyan *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Leyi Zhou *(APT)*
Master of Science, Oregon State University

Wai‘anae Moku Education Center

Danielle Ah Sam *(Civil Service)*

Darwin Bohnet *(Faculty)*
Master of Science, Eastern New Mexico University

Lucy Gay *(Faculty)*
Master of Education; Bachelor of Arts, University of Hawai‘i at Mānoa

Randy Gomabon Jr. *(APT)*
Master of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Emi Kaneshiro *(APT)*
Master of Education; Bachelor of Education, University of Hawai‘i at Mānoa

Rick Kang *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

U'ilani Keliikuli *(Faculty)*
Master of Arts; Bachelor of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Meredith Lee *(Faculty)*
Doctor of Philosophy; Master of Arts, University of Washington
Bachelor of Arts, University of Hawai‘i at Mānoa

Huijin Sergi *(Faculty)*
Master of Arts; Bachelor of Arts, Kyungpook National University

Jennifer Wharton *(Faculty)*
Master of Arts, University of Hawai‘i at Mānoa
Master of Arts, University of Massachusetts at Boston
Bachelor of Arts, Holy Cross

Danny Wyatt *(Faculty)*
Master of Arts; Bachelor of Arts, Southern Illinois University

Student Services Directory

Admissions & Records

Sheryl Higa *(APT)*
Bachelor of Business Administration, University of Hawai‘i at Mānoa

Carina Kingfisher *(APT)*
Master of Science; Bachelor of Arts, Bellevue University

Colt Yamashiro *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Basic Needs

Jo Ann Cagasan-Raley *(APT)*
Master of Arts, University of San Diego
Bachelor of Education, University of Hawai‘i at Mānoa

Josiah Saifoloi *(APT)*

Career Central

Cori Conner *(APT)*
Bachelor of Arts, University of Nevada, Las Vegas

Counseling

Amy Amper *(Faculty)*
Master of Science; Bachelor of Science, Chaminade University

Melissa Arriba *(APT)*
Master of Education; Bachelor of Business Administration, University of Hawai‘i at Mānoa

Franalyn Barnett *(Faculty)*
Master of Education; Bachelor of Science, University of Hawai‘i at Mānoa

Leeanne Egan *(Faculty)*
Master of Public Administration; Bachelor of Arts, University of Hawai‘i at Mānoa

Leon Florendo *(Faculty)*
Master of Education; Bachelor of Arts, University of Hawai‘i at Mānoa
Associate in Arts, Leeward Community College

Pi'ikea Hardy-Kahaleoumi *(Faculty)*
Master of Arts, John F. Kennedy University
Bachelor of Science, Chaminade University

Blake Hunrick *(Faculty)*
Master of Science, Oregon State University
Bachelor of Arts, University of California, Santa Barbara
Associate in Arts, Diablo Valley College

Jennifer Kaneakalau *(Faculty)*

Master of Social Work; Bachelor of Arts, University of Hawai‘i at Mānoa

Nicole Keim-Fortuno *(Faculty)*
Bachelor of Science, Colorado State University
Associate in Arts, Leeward Community College

Joy Lane *(Faculty)*
Master of Education; Bachelor of Arts, University of Hawai‘i at Mānoa

Laurie Libarios *(Faculty)*
Master of Science, Chaminade University
Bachelor of Science, University of Maryland
Associate in Arts, Leeward Community College

Cyndy Masatsugu *(Faculty)*
Master of Science, Chaminade University
Bachelor of Arts, University of Hawai‘i at Mānoa
Associate in Science, Kapi‘olani Community College

Carol Noland *(Civil Service)*

Christopher (Poki) Pokipala *(Faculty)*
Master of Social Work; Bachelor of Arts, University of Hawai‘i at Mānoa

Kalei Ruiz *(Faculty)*
Master of Science, Chaminade University
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Jan Shimabukuro Lee *(Faculty)*
Master of Education; Bachelor of Arts, University of Hawai‘i at Mānoa

Jean Stavrue-Peahi *(Faculty)*
Master of Science, Chaminade University
Bachelor of Arts, Hawai‘i Pacific University

Pearlena Stone *(Faculty)*
Master of Education, University of Hawai‘i at Mānoa

Kenisha Strong-Ruiz *(Faculty)*
Master of Education; Bachelor of Arts, University of Southern California

Heather Takamatsu *(Faculty)*
Master of Science, Chaminade University
Bachelor of Education, University of Hawai‘i at Mānoa

Jennifer Thompson *(Faculty)*
Doctor of Education, Argosy University
Master of Science; Bachelor of Arts, California State University, Sacramento

Stuart Uesato *(Faculty)*
Master of Arts, New York University
Bachelor of Arts, University of Hawai‘i at Mānoa

Syreeta Washington *(Faculty)*
Master of Education; Bachelor of Arts, Temple University

Leilani Yanagi *(Faculty)*
Master of Science, Nova Southeastern University
Bachelor of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa
Associate in Arts, Kapi‘olani Community College

Early College

Brandon Carlos *(APT)*
Master of Education, University of Hawai‘i at Mānoa
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Financial Aid

Jenny Cheung *(APT)*
Bachelor of Arts, University of Hawai‘i at Mānoa

Dayna Isa *(APT)*
Master of Public Administration, University of Hawai‘i at Mānoa
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Jolyn Jardiolin *(APT)*
Bachelor of Education, University of Hawai‘i at Mānoa
Associate in Arts, Leeward Community College

Pearl Nakagawa *(APT)*
Bachelor of Science, University of Washington

Gregg Yoshimura *(APT)*
Bachelor of Arts, University of Hawai‘i at Mānoa

Mental Health & Wellness

Kelsie Higashino *(APT)*
Master of Science, Chaminade University
Bachelor of Arts, University of Hawai‘i at Mānoa

Zoey Lau *(APT)*
Master of Social Work, University of Hawai‘i at Mānoa
Bachelor of Social Work, Carleton University

Lori Lum *(Faculty)*
Master of Arts, Santa Clara University
Bachelor of Science, University of Oregon

Recruitment & Outreach

Leanne Villanueva *(APT)*
Master of Arts, Teachers College, Columbia University

Diani Martin *(APT)*
Bachelor of Arts, Seattle Pacific University

Student Life

Lexer Chou *(Faculty)*
Master of Arts, California State University, Sacramento
Bachelor of Science, University of California, Davis

Juanita Gardin *(Civil Service)*

Veterans Resource Center

Connie Herrera *(APT)*
Associate of Science, Sullivan University

Welcome Center

Bernadette Mack (*APT*)
Master of Arts, Central Michigan University
Bachelor of Arts, Chaminade University

Academic Services Directory

Disability Services Office

Kris Hernandez *(Faculty)*
Master of Education; Bachelor of Arts, University of Hawai‘i at Mānoa

Allan Nebrija *(Faculty)*
Master of Science, Chaminade University
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Educational Media Center

Camden Barruga *(APT)*
Associate in Science, Leeward Community College
Associate in Arts, Honolulu Community College

Garrett Chaves *(APT)*
Associate in Science; Associate in Arts, Leeward Community College

Ronald Felipe *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu
Associate in Arts, Leeward Community College

Brent Hirata *(Faculty)*
Master of Education; Bachelor of Education, University of Hawai‘i at Mānoa
Associate in Science, Mount San Antonio College

Rachael Inake *(Faculty)*
Master of Education; Bachelor of Business Administration, University of Hawai‘i at Mānoa

Deanne Ishida *(Civil Service)*

Lauren Lum Ho *(Faculty)*
Master of Social Work, University of Hawai‘i at Mānoa

Chelby Onaga *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Jordan Teruya *(APT)*
Associate in Science, Leeward Community College

Iban Urmeneta *(APT)*
Associate of Applied Science, Heald College

Information Technology Group

Denise Araki *(APT)*
Bachelor of Arts, University of Hawai‘i at Mānoa
Associate in Science; Associate in Science, Leeward Community College

Crizaldrin Caraang *(APT)*
Bachelor of Science, University of Hawai‘i at Mānoa

Kevin Kawabata *(APT)*
Bachelor of Arts, University of Hawai‘i at Mānoa
Associate in Science, Honolulu Community College

Bernard Knezek Jr. *(APT)*
Bachelor of Science, University of Michigan
Associate in Business, Lansing Community College

Horacio Rojas *(APT)*
Technical Degree, Instituto Técnico de Comercio

Lionel Shigemura Jr. *(APT)*
Bachelor of Arts; Bachelor of Arts, University of Hawai‘i at Mānoa

Janna Yamashita*(APT)*
Associate in Arts, Hawai‘i Community College

Innovation Center for Teaching & Learning

Erin N. Kanoelani Thompson *(Faculty)*
Doctor of Education; Master of Education; Bachelor of Business Administration; Bachelor of Business Administration, University of Hawai‘i at Mānoa

Library

Junie Hayashi *(Faculty)*
Juris Doctor, University of California Hastings College of the Law
Master of Library & Information Science; Master of Business Administration, University of Hawai‘i at Mānoa
Bachelor of Arts, University of Washington

An Hollowell *(APT)*
Bachelor of Arts, East Carolina University

Natalie Kahn *(Faculty)*
Master of Library & Information Science, San Jose State University
Bachelor of Arts, California State University, San Bernardino

Kalekona Kingsbury *(APT)*
Master of Library & Information Science; Bachelor of Arts, University of Hawai‘i at Mānoa

Hauolihiwahiwa Moniz *(Faculty)*
Master of Library & Information Science; Master of Arts, University of Hawai‘i at Mānoa

Wayde Oshiro *(Faculty)*
Master of Library & Information Studies; Bachelor of Arts, University of Hawai‘i at Mānoa

Jennifer Sunada *(Civil Service)*

Ralph Toyama *(Faculty)*
Master of Library & Information Studies; Bachelor of Arts, University of Hawai‘i at Mānoa

Cheryl Urasaki *(APT)*
Master of Library & Information Studies; Bachelor of Arts, University of Hawai‘i at Mānoa

Jue Wang *(Faculty)*
Master of Library & Information Studies, University of Hawai‘i at Mānoa

Theatre

Vincent Liem *(APT)*
Bachelor of Arts, University of Hawai‘i at Mānoa

Elisa Olson *(APT)*
Bachelor of Music, University of North Dakota

Chelsea Yamashiro *(APT)*
Bachelor of Arts, Argosy University

Tutoring

Tasha Moses *(Faculty)*
Master of Arts; Bachelor of Arts, Southern Illinois University Edwardsville

Administrative Services Directory

Business Office

Kellie Ballina *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Tracy Higa *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Jenine Isawa *(APT)*

Brynn (Hana) Manuel *(APT)*

Myrna Patterson *(APT)*
Bachelor of Business Administration, University of Hawai‘i at Mānoa
Associate in Science, Kaua‘i Community College

Patty Umetsu *(APT)*

Enterprise Operations

William Akama III *(APT)*
Associate in Arts, Leeward Community College

Nelson Toda *(APT)*
Bachelor of Arts, Hawai‘i Pacific University

Security

Johnnuel Alves *(Civil Service)*

P.J. Cantorna *(Civil Service)*

Michael Curtis *(Civil Service)*

Jeremy Postmus *(Civil Service)*

Chris Segawa *(Civil Service)*

Lionel Spencer *(Civil Service)*

Human Resources Office

Lynn Fujikawa *(APT)*
Bachelor of Science, University of Phoenix

Lori Lei Hayashi *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu
Associate in Arts; Associate in Science, Kapi‘olani Community College

Alison Seo *(APT)*
Bachelor of Science, University of Hawai‘i at Mānoa

Rae Wakimura *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Darren Wastell *(APT)*
Bachelor of Arts, University of Hawai‘i - West O‘ahu

Operations & Maintenance

Glenda Acuna *(Civil Service)*

Pepito Ancheta Jr. *(Civil Service)*

Nicholas Arakawa (Civil Service)

Rhunoel Bali (Civil Service)

Betty Barayuga *(Civil Service)*

Jason Bartels *(Civil Service)*

Kahiau Bergosa-Milikaa *(Civil Service)*

Lisa Daclison *(Civil Service)*

Marianito Fiesta *(Civil Service)*

Randall Fukunaga *(Civil Service)*

Jonathan Gay *(Civil Service)*

Jensen Hernandez *(Civil Service)*

Shawn Hino *(Civil Service)*

Rozlyn Kahalewai *(Civil Service)*

Franklin Jet Lugo Jr. *(Civil Service)*

Jeffrey Matute *(Civil Service)*

Lovelyn Mericle *(Civil Service)*

Ronaldo Montecillo *(Civil Service)*

Donald Nishida *(Civil Service)*

Grant Okamura *(APT)*
Bachelor of Science, Hawai‘i Pacific University

Jordan Sesma *(Civil Service)*

Tommy Sibounheuang *(Civil Service)*

Maximo Sibucao Jr. *(Civil Service)*

Brandon Thomas *(Civil Service)*

William White *(Civil Service)*

Tiffany Yamaguchi *(Civil Service)*

Philip Yee *(APT)*

Emeritus/Faculty Directory

The college is proud to recognize emeritus faculty on this page for 15 years following retirement, honoring their dedicated service and lasting impact.

2011

Mazie S. Akana, Professor, CC, Mathematics

Robert N. Asato, Professor, CC, Chemistry

Garman Pond, Professor, CC, English

Anthony R. Russo, Professor, CC, Biology/Oceanography

Barbara Saromines-Ganne, Professor, CC, Art

Katsugi Tamanaha, Professor, CC, Counseling

2012

Jean Hara, Professor, CC, Business Technology

2013

Linda Currivan Musto, Professor, CC, English

Ronald M. Flegal, Professor, CC, Physical Sciences

Janice S. Ito, Professor, CC, Biological Sciences

Grace Miller, Professor, CC, Anthropology

2014

Richard Yap, Professor, CC, Political Science

Mary Jane Dobson, Professor, CC, Sociology

Priscilla S. Millen, Professor, CC, Botany

2018

Roy Kamida, Professor, CC, Accounting

2019

Pat Kamalani Hurley, Professor, CC, English

Cindy Martin, Professor, CC, Staff Development

Jennie Thompson, Professor, CC, Mathematics

2022

Tommylynn Benavente, Professor, CC, Professional Arts & Technology

2024

Shelley Ota, Professor, CC, Accounting

University of Hawai‘i Board of Regents Directory

Gabriel Lee, Chair

Mike Miyahara, Vice Chair

Joshua Faumuina, Vice Chair, Student Regent (Term ends 2026)

Neil Abercrombie

Lauren Akitake

William F. Haning III (Term ends 2026)

Wayne Higaki (Term ends 2026)

Laurel Loo

Diane Paloma (Term ends 2026)

Laurie Tochiki