



UNIVERSITY of HAWAII®
HAWAII
COMMUNITY COLLEGE

2008–2009 Catalog

HAWAII COMMUNITY COLLEGE

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Hilo, HI 96720-4091

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COLLEGE WEB SITE

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Disclaimer

This catalog provides general information about Hawaii Community College, its programs and services, and summarizes those major policies and procedures of relevance to the student. The information contained in this catalog is not necessarily complete. For further information, students should consult with the appropriate unit. This catalog was prepared to provide information and does not constitute a contract. The College reserves the right to, without prior notice, change or delete, supplement or otherwise amend at any time the information, requirements, and policies contained in this catalog or other documents.

Academic Calendar 2008-2009

Fall 2008 Semester Calendar

Apr 15 (T)	Last day for International Students (living abroad) to submit complete Fall 2008 application
May 31 (S)	Last day for International Students (in the US with F-1 Visa) to submit complete Fall 2008 application
July 18 (F)	Payment of HawCC (and UH System) Tuition/Fees due by 4:00 pm if you early registered
Aug 1 (F)	Last day to submit completed applications for Fall 2008 Semester
Aug 8 (F)	Payment of HawCC (and UH System) Tuition/Fees due by 4:00 pm if you registered after July 18
Aug 15 (F)	Last day for International Students (living abroad) to submit complete Spring 2009 application
Aug 15 (F)	Admission Day (Holiday)
Aug 19-20 (T-W)	Regular Registration (New, Returning, Continuing, and Transfer Students)
Aug 25 (M)	First day of Instruction
Aug 25-29 (M-F)	Registration changes (Adds/Drops) (In-person anytime: \$5.00 fee, Online until Aug 29: no charge) NOTE: A \$30.00 Late Registration fee will be charged for new registrations on or after the first day of instruction. Full Tuition Payment is due by 4:00pm on the day you register
Aug 29 (F)	Last day to officially withdraw without owing tuition. (If you register and decide to not attend, you must officially withdraw by this date. Afterwards, students with unpaid balances will be obligated to pay.)
Aug 29 (F)	Last day to receive 100% Tuition Refund for withdrawal from semester-length classes
Aug 29 (F)	Last day to receive Fees Refund for withdrawal from all UH System classes
Sep 1 (M)	Labor Day (Holiday)
Sep 12 (F)	Last day to receive 50% Tuition Refund for withdrawal from semester-length classes NOTE: You may withdraw online from semester-length classes through Sunday, Sept 14 provided you have at least one class remaining at your home campus
Sep 12 (F)	Last day to Withdraw from classes without a "W" NOTE: You may withdraw online from semester-length classes through Sunday, Sept 14 provided you have at least one class remaining at your home campus
Sep 12 (F)	Financial Aid census date
Oct 10 (F)	"I" removal deadline: Student to Instructor
Oct 17 (F)	Last day to apply for Credit by Exam for Fall Semester
Oct 24 (F)	Last day to submit Credit by Exam results to A&R/WHSS Office
Oct 31 (F)	Last day to apply for Fall Semester Graduation
Oct 31 (F)	Last day for International Students (in the US with F-1 Visa) to submit complete Spring 2009 application
Nov 3 (M)	Financial Aid census date
Nov 3 (M)	Last day to Withdraw from classes with a "W" (for semester-length classes)
Nov 3 (M)	"I" removal deadline: Instructor to A&R/WHSS Office
Nov 3 (M)	Last day to submit application to Audit classes
Nov 3 (M)	Last day to exercise CR/NC
Nov 4 (T)	Election Day (Holiday)
Nov 11 (T)	Veterans' Day (Holiday)
Nov TBA	Spring 2009 Early Registration for continuing students. NOTE: Information for Tuition and Fees Payment will be provided with registration information.
Nov 27 (R)	Thanksgiving (Holiday)
Nov 28 (F)	Non-Instructional Day
Dec 11 (R)	Last day to submit Complete Withdrawal form. (Dropping you from ALL your HawCC Fall classes) NOTE: If you are enrolled in part-term class(es), the Complete Withdrawal must be done before any class is completed.
Dec 11 (R)	Last day of Instruction
Dec 12 (F)	Writing Final Exams
Dec 12 (F)	Final Exams for classes that met on Fridays only throughout the semester
Dec 15-18 (M-R)	Final Examinations
Dec 22 (M)	Fall Semester ends; Instructors must submit grades by 12:00 noon
Jan 12, 2009 (M)	First Day of Spring 2009 Semester

NOTES: 'R' denotes Thursday.
'A&R' denotes Admissions & Records Office (Hilo)
'WHSS' denotes West Hawai'i Student Services Office (WH)

Academic Calendar subject to change.



Academic Calendar 2008-2009

Spring 2009 Semester Calendar

Aug 15 (F)	Last day for International Students (living abroad) to submit complete Spring 2009 application
Oct 31 (F)	Last day for International Students (in the US with F-1 Visa) to submit complete Spring 2009 application
TBA	Payment of UH System Tuition/Fees due by 4:00 pm if you early registered (You may pay Tuition/Fees online by 7:00 pm through MyUH Portal)
Dec 3 (W)	Last day to submit completed applications for Spring 2009 Semester
Jan 6-7 (T-W)	Regular Registration (New, Returning, Continuing, and Transfer Students)
Jan 12 (M)	First day of Instruction
Jan 12-16 (M-F)	Registration changes (Adds/Drops) (In-person anytime: \$5.00 fee, Online until Jan 16: no charge) NOTE: A \$30.00 Late Registration fee will be charged for new registrations on or after the first day of instruction. Full Tuition Payment is due by 4:00pm on the day you register
Jan 16 (F)	Last day to officially withdraw without owing tuition. (If you register and decide to not attend, you must officially withdraw by this date. Afterwards, students with unpaid balances will be obligated to pay.)
Jan 16 (F)	Last day to receive 100% Tuition Refund for withdrawal from semester-length classes
Jan 16 (F)	Last day to receive Fees Refund for withdrawal from semester-length or partial-semester classes
Jan 16 (F)	Last day to Add semester-length classes/Last day to Late Register
Jan 19 (M)	<i>Martin Luther King, Jr. Day (Holiday)</i>
Jan 30 (F)	Last day to receive 50% Tuition Refund for withdrawal from semester-length classes NOTE: You may withdraw online from semester-length classes through Sunday, Feb 1 provided you have at least one class remaining this semester
Jan 30 (F)	Last day to Withdraw from classes without a "W" NOTE: You may withdraw online from semester-length classes through Sunday, Feb 1 provided you have at least one class remaining this semester
Jan 30 (F)	Financial Aid census date
Feb 16 (M)	<i>Presidents' Day (Holiday)</i>
Mar 2 (M)	"I" removal deadline: Student to Instructor
Mar 6 (F)	<i>Non-Instructional Day</i>
Mar 13 (F)	Last day to apply for Spring Semester Graduation
Mar 20 (F)	Financial Aid census date
Mar 20 (F)	Last day to submit Credit by Exam results to A&R/WHSS Office
Mar 20 (F)	Last day to Withdraw from classes with a "W" (for semester-length classes)
Mar 20 (F)	"I" removal deadline: Instructor to A&R/WHSS Office
Mar 20 (F)	Last day to submit application to Audit classes
Mar 20 (F)	Last day to exercise CR/NC
Mar 23-27 (M-F)	<i>Spring Recess (No School)</i>
Mar 26 (W)	<i>Kūhiō Day (Holiday)</i>
Apr 3 (F)	Last day to apply for Spring Semester Graduation
Apr 10 (F)	<i>Good Friday (Holiday)</i>
Apr 15 (W)	Last day for International Students (living abroad) to submit complete Fall 2009 application
Apr TBA	Fall 2009 Early Registration for continuing students. NOTE: Information for Tuition and Fees Payment will be provided with registration information.
May 6 (W)	Last day to submit Complete Withdrawal form. (Dropping you from ALL your HawCC Spring classes) NOTE: If you are enrolled in part-term class(es), the Complete Withdrawal must be done before any class is completed.
May 6 (W)	Last day of Instruction
May 7 (R)	Writing Final Exams
May 8 (F)	Final Exams for classes that met on Fridays only throughout the semester
May 11-14 (M-R)	Final Examinations
May 15 (F)	Hawai'i Community College Commencement - Hilo
May 16 (S)	Hawai'i Community College Commencement - West Hawai'i
May 18 (M)	Spring semester ends; Instructors must submit grades by 12:00 noon
May 31 (U)	Last day for International Students (in the US with F-1 Visa) to submit complete Fall 2009 application

NOTES: 'R' denotes Thursday.

'A&R' denotes Admissions & Records Office (Hilo)

'WHSS' denotes West Hawai'i Student Services Office (WH)

Academic Calendar subject to change.

Table of Contents

Academic Calendar 2008-2009	2	Academic and Other Policies	23
Fall 2008 Semester Calendar.....	2	Independent Studies/Directed Studies.....	23
Spring 2009 Semester Calendar.....	3	Attendance, Satisfactory Progress, Academic Probation, Dis-	
General Information	6	missal, Readmission.....	23
Mission.....	6	Grades.....	24
Vision.....	6	Repeating Courses.....	25
Imperatives.....	6	Courses Fulfilling Two Different Area Requirements.....	25
A Rich Legacy.....	6	Cross-listed Courses.....	25
Community Involvement.....	6	Final Examinations.....	25
About Hawai'i Community College	7	Credit By Examination.....	25
A Solid Foundation.....	7	Academic Waivers and Substitutions.....	26
The Hawai'i Community College Learning Experience.....	7	Classification of Students.....	26
Oregon State University.....	7	Change of Major/Classified Status.....	26
Facilities.....	7	Time Limits on Credits Earned.....	26
University of Hawai'i Center at West Hawai'i.....	7	Graduation Requirements.....	27
Academic Support Services.....	8	Application for Graduation.....	27
Office of Continuing Education and Training.....	10	Honors.....	27
Student Organizations.....	10	Multiple/Duplicate/Second Degree Policy.....	27
Alpha Psi Epsilon Chapter of Phi Theta Kappa.....	11	Transcripts.....	27
Average Graduation and Persistence Rates.....	11	Counseling and Support Services	28
Admission and Registration	12	STAR Advising Tool.....	29
Admission of Students.....	12	Transferring from HawCC to Another Community College in the	
Acceptance to Hawai'i Community College.....	12	UH System.....	30
Summer Session.....	13	Transferring from HawCC to a Baccalaureate Program within the	
Residency Regulations for Tuition Purposes.....	13	UH System.....	30
Nonresident Students.....	14	Transferring from HawCC to a non-UH Campus.....	30
International Students.....	14	General Policies	31
Veterans and Dependents.....	15	Educational Rights and Privacy of Students.....	31
Transfer Students.....	15	Academic Freedom.....	31
Auditors.....	15	Academic Grievances.....	32
Returnees.....	15	Student Conduct Regulations.....	32
Unclassified Nondegree Students.....	15	Policy on Sexual Harassment.....	34
Early Admission Program.....	16	Non-Discrimination, Equal Opportunity/Affirmative Action.....	34
Health Requirements for Admission.....	16	Financial Aid	36
Student Health Insurance.....	16	Types of Financial Aid.....	37
Placement Testing.....	17	HawCC Degrees & Certificates	40
Student Orientation.....	18		
Credits.....	18		
Registration, Withdrawals, and Other Changes.....	19		
Tuition and Fees 2008-2009.....	20		
Parking on Campus.....	21		
Child Care.....	21		
Bookstore.....	21		
Housing.....	21		

Curricula and Programs.....	41
Associate in Arts (A.A.) Degree	41
Associate in Applied Science (A.A.S.) Degree	42
Associate in Science (A.S.) Degree.....	44
Associate in Technical Studies (A.T.S.) Degree.....	44
Certificate of Achievement (C.A.).....	44
Certificate of Completion (C.C.).....	44
Academic Subject Certificate (A.S.C.).....	44
Certificate of Competence (CoC).....	44
Accounting (ACC).....	45
Administration of Justice (AJ)	45
Agriculture (AG).....	46
Architectural, Engineering and CAD Technologies (AEC)	47
Auto Body Repair and Painting (ABRP)	47
Automotive Mechanics Technology (AMT)	48
Business Technology (BTEC).....	48
Carpentry (CARP).....	49
Cisco Networking Academy (CNA).....	49
Cooperative Vocational Education (CVE).....	49
Culinary Arts (CULN).....	50
Diesel Mechanics (DISL).....	51
Digital Media Arts (DMA)	51
Early Childhood Education (ECED).....	52
Electrical Installation and Maintenance Technology (EIMT)	53
Electronics Technology (ET).....	53
Environmental Studies Academic Subject Certificate (ASC-ENVS).....	54
Food Service (FSER).....	55
Hawaiian Life Styles Academic Subject Certificate (HLS ASC).....	55
Hawaiian Life Styles (HLS).....	55
Hula Track (HLS-HULA)	56
Lawai'a Track (HLS-LAWA)	56
Mahi'ai Track (HLS-MAHI).....	57
Hospitality and Tourism (HOST)	57
Human Services (HSER).....	58
Information Technology (IT).....	58
Liberal Arts (LBRT)	59
Marine Option Program (MOP).....	61
Machine, Welding and Industrial Mechanics Technologies (MWIM).....	61
Marketing (MKT).....	62
Nursing and Allied Health Programs.....	63
Nursing, Associate in Science Degree in Nursing (NURS).....	64
Nursing, Practical (PRCN).....	65
Nursing, Adult Residential Care Home Operator (CHO).....	65
Substance Abuse Counseling (SUBS).....	66
Tropical Forest Ecosystem and Agroforestry Management (TEAM).....	66
Program Advisory Councils.....	67

Non-Credit Course Listings.....	70
Intensive English Program.....	70
How to Read the Non-Credit Course Listings.....	70

Credit Course Listings.....	71
Cooperative Vocational Education.....	71
Independent Studies/Directed Studies	71
Learning Communities.....	71
How to Read the Course Listings	71
Which English Course Should I Take?.....	96

Faculty and Staff.....	121
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Administration	128
University of Hawai'i Board of Regents	128
Hawai'i Community College Administration	128
University Of Hawai'i System President and Administrative Team.....	128
Hawai'i Community College Instructional Units	128

College catalogs are published once per year or less frequently and do not always reflect the most recent campus actions involving core courses. For the most recent information concerning core courses, students should check with their advisor. Students intending to transfer should also check the Student Transfer Handbook, which is published twice per year during the months of October and March. Copies of the Handbook are available at counseling, academic advising, and the library.

General Information



Mission

Hawai'i Community College promotes student learning by embracing our unique Hawai'i Island culture and inspiring growth in the spirit of "*E Imi Pono*."

Vision

To promote student learning, Hawai'i Community College will emphasize the knowledge and experience necessary for students to pursue academic achievement. As lifelong learners, the students will become productive and engaged citizens capable of meeting the complex challenges of a global community.

Imperatives

Dedicated to student learning, Hawai'i Community College commits to the following imperatives:

- Community Development - The College will provide students with opportunities to serve their community.
- Workforce Development - The College will teach the skills needed to succeed in the workforce.
- Cultural Competency - The College will respect and learn from all its students.
- Environment - The College will build an awareness, appreciation, and sense of personal responsibility for the natural, social, and economic environments.
- Hawaiian Culture and Values - The College will be the center for the study of Native Hawaiian cultural knowledge.
- Healthy Communities - The College will work with students to build healthy communities.
- Technology - The College will provide access to current technology that supports student learning.

A Rich Legacy

Hawai'i Community College celebrated its 60th anniversary in 2001. From its start in 1941 as the Hawai'i Vocational School, the College has provided access to higher education opportunities, trained a skilled workforce and supported economic development of the County. With the advancement in technology and expansion of educational opportunities into broader fields of technical training, the institution was renamed the Hawai'i Technical School in 1956.

In May 1970, the institution joined the University of Hawai'i as a comprehensive community college with the name Hawai'i Community College. Other significant developments for the College were the offering of college degree classes in Kona beginning in 1982, and the establishment of the continuing education programs throughout the island of Hawai'i in 1992.

Community Involvement

Community partnerships and collaboration are central to the mission of the College. To keep curricula and requirements current and relevant, the College has invited community leaders in business, industry, and the professions to serve as advisers to provide guidance regarding course content, selection of training equipment, employment needs, and the effectiveness of different programs.

Program advisory councils are formed for each degree program. In addition, the Chancellor of the campus seeks advice from community and business leaders on ways the College can assist in development for the community. Members of these advisory groups are listed throughout the catalog.

A Solid Foundation

Hawai'i Community College is fully accredited by the Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges. A comprehensive review is conducted every six years, with the most recent review being completed in Academic Year 2006-2007. The reviewers commended the faculty and staff for their dedication, and noted that they go beyond their normal roles in trying to make Hawai'i Community College viable and responsive to the students and the community.

In addition to the College's overall accreditation, there are other specialty accreditations for certain programs:

<u>Program</u>	<u>Accrediting Organization</u>
Children's Center	• National Association for the Education of Young Children (NAEYC)
Food Service	• American Culinary Federation Foundation, Inc Accrediting Commission (ACFFAC)
Intensive English	• Commission on English Language Program Accreditation (CEA)
Nursing	• Hawai'i State Board of Nursing • National League for Nursing Accrediting Commission, Inc. (NLNAC)

The Hawai'i Community College Learning Experience

The uniqueness of the Hawai'i CC experience is the focus on four complementary elements that frame the learning climate: Community work-based learning; using and learning Technology; perpetuation of Hawaiian culture; and caring for the Environment.

The College has a rich history of work-based learning, from the award-winning Model Home project where the construction trades programs design and build a house, to working on customer jobs, and including a wide range of internships, service learning and volunteer work. Students in every discipline have opportunities to apply what they have learned in the classroom, and give back to the community.

Technology is interwoven into nearly every aspect of the College and is used to support distance learning utilizing the Internet or videoconferencing. Technology supports classroom instruction such as the use of global positioning systems (GPS) in Agroforestry, computer assisted design (CAD) in the Architectural/Engineering/CAD Technologies Program, and in certificate and degree programs such as Information Technology and CISCO networking.

The College has made a commitment to become the center for the study of Hawaiian culture, with an emphasis on the practice, perpetuation, and evolution of the culture. This includes

an Academic Subject Certificate in Hawaiian Life Styles, and an Associate in Applied Science degree which is being delivered in Hilo, Waimea, and Kona.

An Associate in Science Degree and certificate program in Tropical Ecosystem and Agroforestry Management is a key component of our focus on caring for the Environment. The College also supports an Academic Subject Certificate in Environmental Studies and has numerous projects on campus to reflect our commitment to the natural environment.

Learning by doing through community work-based learning and expanding the classroom through the use of technology, spiced with the unique Hawai'i Island environment and the uniqueness of Hawaiian culture, equals the Hawai'i Community College Learning Experience.

Oregon State University

Hawai'i Community College entered into an articulation agreement with Oregon State University (OSU) to promote educational opportunities for students to earn a Bachelor's Degree. HawCC students can be jointly admitted and concurrently enrolled at OSU. Upon earning an Associate Degree from HawCC, students can transfer to OSU with junior standing and with lower division general education requirements completed.

Facilities

In East Hawai'i, HawCC shares a campus with University of Hawai'i at Hilo (UHH) which consists of a 115-acre Main Campus and a 21-acre campus on Manono Street. To serve HawCC and the University, there are 51 major buildings and 36 portables, including classroom buildings, special facilities for student laboratories, a library and media center, numerous well-equipped shops for use in trade and industrial courses, faculty offices, administration building, student services offices, a learning center with satellites, a campus center for student activities, an athletic complex, tennis courts, and playing field. The 110-acre University Agricultural Farm Laboratory is located in the Pana'ewa Agricultural Park.

The College serves West Hawai'i at the UH Center in Kealahou, with classrooms, a dining room/kitchen, computer lab, library, learning center, and administrative offices.

University of Hawai'i Center at West Hawai'i

Beth Sanders, Interim Director
81-964 Haleki'i Street
Kealahou, HI 96750
Ph: (808) 322-4850
FAX: (808) 322-4855

The University of Hawai'i Center at West Hawai'i is one of three University Centers established by the Board of Regents (BOR) in June 1996. Administrative responsibility for the

Center at West Hawai'i was transferred to HawCC on July 1, 1997. The Director of the University of Hawai'i Center at West Hawai'i reports to the Chancellor of HawCC.

The primary purpose of the Center at West Hawai'i is instructional. The Center provides access to multiple disciplines, serves as a receive site for courses, course sequences and/or a limited number of complete BOR-authorized credential programs that originate from other campuses of the University of Hawai'i system.

HawCC offers the Associate in Science in Early Childhood Education, an Associate in Science Degree in Nursing, and Certificates of Completion in Early Childhood Education and Human Services. The Hospitality Program assists students in gaining skills, certificates, and degrees, as well as provides employers with trained and qualified co-workers for one of the leading growth industries in West Hawai'i. The Hospitality Program includes the Culinary Arts Program (formerly Food Service Program) and the Hospitality and Tourism Program (formerly Hotel Operations). HawCC offers the Associate in Applied Science Degree, the Certificate of Achievement, and the Certificate of Completion in Culinary Arts. The award-winning Culinary Arts Program is designed to provide students the skills and competencies for entry-level employment in hotels, full service restaurants, fast food restaurants, institutions (schools, hospitals, corrections), and private clubs. HawCC offers the Associate in Applied Science Degree, the Certificate of Achievement, and the Certificate of Completion in Hospitality and Tourism. Through this new program, students will become familiar with the overall hospitality industry, front desk procedures, guest services, accounting, speech, basic computer skills, and Hawaiian studies.

In addition to HawCC programs, the Center facilitates the delivery of baccalaureate and masters' programs to West Hawai'i. Students may apply/register for distance education courses offered at other community colleges in the UH system.

Educational Talent Search Program
Lila Deaguier, Instructor/Coordinator
Diane Dean, Student Services Specialist
81-964 Haleki'i St. #5B
Kealakekua, HI 96750
phone: (808) 322-4860
fax: (808) 322-4855

The Educational Talent Search program is a federally funded program designed to assist economically disadvantaged and potential first generation college students with entry into post-secondary education. The program's purpose is to:

1. identify qualified youth and to encourage them to complete high school and enroll in post-secondary education
2. publicize the availability of student financial assistance at the post-secondary level; and
3. encourage persons who have not completed secondary or post secondary education to reenter these programs.

The program, which has been in existence on the island of Hawai'i since 1991, provides academic and personal support to qualified students in grades 6-12 in public intermediate and high schools and adults on the west side of Hawai'i Island. For those seeking admission to the College, program services include: career exploration, personal counseling, study skills development, referral for tutorial assistance, college planning, financial aid assistance, academic advising, and cultural/recreational activities. Intermediate and high school students who are enrolled in the program meet monthly and participate in a structured curriculum designed to prepare them for post-secondary education. Reentry adults meet with program staff on an "as needed" basis.

Additional information regarding the program can be obtained by contacting the Educational Talent Search program, University of Hawai'i Center at West Hawai'i, 81-964 Haleki'i Street, Kealakekua, HI 96750; (808) 322-4860.

Academic Support Services

The College shares the library and computer services with the University of Hawai'i at Hilo.

The Edwin H. Mookini Library
Circulation Desk: (808) 974-7344
Reference Desk: (808) 974-7346
<http://library.uhh.hawaii.edu>

Dr. Linda Marie Golian-Lui
University Librarian/Director
(808) 933-3132

Lari-Anne Au
Public Services Librarian
(808) 933-8614

The Edwin H. Mookini Library, completed in 1981, is located in the center of the Main Campus. The Edwin H. Mookini Library serves the University of Hawai'i at Hilo (UHH) and Hawai'i Community College (HawCC). Its primary mission is to support the academic programs of both institutions, under the supervision of the University of Hawai'i at Hilo University Librarian/Director.

Students have access to over 230,000 bound volumes, over 3,000 periodicals in print, and over 17,000 full-text electronic current periodicals from Hawai'i, the U.S. mainland, Asia, and Europe. Special formats collected include DVDs, audio and videocassettes, compact disks, and microforms. In addition, the library is a partial depository for both United States and Hawai'i State documents. The Hawaiian Collection houses the library's

extensive Hawaiiana holdings. To ensure student proficiency in the use of these collections, the staff offers a comprehensive program of library instruction using a networked electronic library classroom.

The Edwin H. Mookini Library provides other services and facilities that further the academic mission of the College. Students may utilize the audiovisual area with playback equipment. Students may also confer in the library's group study rooms located throughout the building. The PC lab in the library provides access to web browsing, word processing, spreadsheets, and web page design software to support coursework.

Computer technology is increasingly used to meet the information needs of the College and facilitate access to library services for distance learners. The library's catalog is now available on Hawai'i Voyager, a Web-based library management system.

The library offers reference services enhanced with subscriptions to full-text periodical databases and interlibrary loan services to assist students and faculty in obtaining research materials from off-campus sources.

The Learning Center (TLC)
Hilo (Upper Campus, Library, lower level)
Guy Kimura, Coordinator
Ph: (808) 974-7503
fax: (808) 974-7785

The College operates learning centers at both the Hilo Campus and the UH Center at West Hawai'i. The mission of The Learning Center (TLC) is to help students be successful in their college experience. Its objective is to provide students with guidance and support to assist them in becoming active independent learners, taking responsibility for their own learning. TLC introduces students to new educational technology and old-fashioned one-on-one tutoring including study strategies and techniques. Its primary services incorporate:

1. Free academic tutoring (one-on-one and group) available to all currently enrolled students in reading, writing, math, study skills, English as a Second Language, and content-area courses as available (accounting, computer science, foreign language, etc.)
2. Computer assisted instructional programs (including getting started with Laulima classes)
3. Instruction utilizing self-paced audiovisual kits and print media
4. Internet and e-mail assistance
5. Employment opportunities for students who enjoy helping other students and have developed mastery in one or more courses

Hale Kea Advancement and Testing Center (HKATC)
Hilo (Manono Campus, Building 387)
Nancy Schein, Educational Specialist
Leanne Urasaki, Educational Specialist
(808) 933-3219
fax: (808) 933-0643

The Hale Kea Advancement and Testing Center (HKATC) provides computers, a study area, and testing services (COMPASS placement testing, distance education testing, and make-up testing) for current and prospective Hawai'i Community College students. ACT, PearsonVUE, and distance education tests are administered for community members.

UH Center at West Hawai'i Library
Laurel Gregory, Librarian
Ph: (808) 322-4858
fax: (808) 322-4859

The College provides library services to the UH Center at West Hawai'i. Besides reference services, there is a small on-site collection, access to full-text periodical databases, and interlibrary loan services.

UH Center at West Hawai'i Learning Center
Michael Hopson, Educational Specialist/Coordinator
Ph: (808) 322-4862
fax: (808) 322-4859

The Learning Center, located within the library, provides free academic tutoring in English and math, test proctoring and assistance in getting started with Laulima classes, e-mail, the Internet and word processing. COMPASS placement testing is administered in the Library/Learning Center.

I Ola Hāloa-Hawai'i Life Styles Program
Kekuhi Keali'ikanaka'ole, Project Coordinator
M. Noe Noe Wong-Wilson, Instructor/Coordinator
Maria Andaya, Media Specialist
Monica Burnett, Administrative/Fiscal Support Specialist
Sean Naleimaile, Media Specialist
Kawehi Nguyen, Academic Support
Lily Pua-Kaipo, Clerk
Toni-Ann Samio, Project Assistant
Josy Stone, Academic Support
Neal Uyehara, Media Specialist
Bldg. 380 (Manono Campus), Room 34
Ph: (808) 974-7486 or (808) 974-7602
Fax: (808) 974-7708
<http://www.hawaii.hawaii.edu/humd/humhls.htm>

I Ola Hāloa started its second five-year Title III grant in October 2004 from the U.S. Department of Education. Its ultimate goal is to strengthen the College to better serve the native Hawaiian community by reaching rural districts, strengthening the Hawaiian Life Styles AAS degree, and creating interdisciplinary course offerings in multiple degree programs campus-wide.

Office of Continuing Education and Training

Sara Narimatsu, Interim Director
Bldg. 379A Rms 1,2,3 (Manono campus)
200 W. Kāwili Street
Hilo, HI 96720-4091
Ph: (808) 974-7531

The Office of Continuing Education and Training (OCET) was established in 1992 to deliver opportunities for continuing education and training. The OCET unit delivers non-credit Workforce Development training, Basic Skills training, Apprenticeship training, Intensive English sessions, and International Programs on a regularly scheduled basis for Hawai'i Island.

Apprenticeship Program
Wilton Watanabe, Coordinator
Ph: (808) 974-7531

The Apprenticeship program presently provides evening and/or Saturday training classes in the following areas: carpentry, electricity, masonry, plumbing, refrigeration and air-conditioning, ceramic tile, sheet metal work, and roofing. These courses meet the requirements of the State of Hawai'i Apprenticeship Law and enable an apprentice to complete the required hours of related instruction paralleling on-the-job training. In addition, trade skills upgrading courses are sponsored for journeyworkers who seek self-improvement in their respective areas. Course offerings may be added or deleted depending on industry needs. Enrollment is limited to persons registered and indentured with the Department of Labor as apprentices and/or journeyworkers in the occupational field covered by the instruction.

Intensive English Program
Sherri Fujita, Coordinator
Ph: (808) 974-7800 or 933-0807
<http://www.hawaii.hawaii.edu/iep>

The Intensive English Program (IEP) provides intensive English language preparation for international students who wish to enter an American college or university as well as those who wish to improve their English skills for professional or personal reasons. The IEP is also for permanent residents and immigrants who are non-native speakers of English who need further development of their English language skills. Through academic advisement and assistance from faculty and staff, students are able to move quickly toward achieving their academic and professional goals.

Five 8-week sessions are offered each year beginning in January, March, June, August, and October. The IEP offers up to four proficiency levels. Students are tested, interviewed, and placed in the level appropriate to their proficiency in English. A full-time coordinator and a student advisor is available to assist students with orientation, housing, immigration, and any other concerns.

Students attend classes in intensive English as well as have the opportunity to participate in numerous extra-curricular activities. Students may also take elective classes in TOEFL (Test of English as a Foreign Language) preparation and pronunciation. Students who have fulfilled class and attendance requirements receive a Certificate of Participation.

Students who complete the Intensive English Program are admitted to HawCC with no TOEFL.

The Intensive English Program is accredited by the Commission on English Language Program Accreditation (CEA), and is a member of the American Association of Intensive English Programs (AAIEP). For more information, and to download application forms, visit the website above.

Student Organizations

HawCC offers a wide range of student-lead programs and services to meet the social, educational, cultural, and recreational needs of the campus community. The Associated Students of University of Hawai'i-Hawai'i Community College (ASUH-HawCC), the Student Activities Council (SAC), and the Board of Student Publications (BOSP) organize and direct these activities.

ASUH-HawCC represents all students of the College. Its principal responsibilities include research into campus and academic issues and problems; sponsoring programs of interest and benefit to students; and participation in HawCC policy-making and student services. All HawCC students pay a student government fee to fund these activities. For more information log on to <http://www.hawaii.hawaii.edu/studentgov>

The SAC presents a variety of programs for students in cultural, educational, recreational, and public areas. Students enrolled for 9 or more credits are members. Students enrolled

for 1 to 8 credits are associate members. Membership is automatically renewed each semester upon registration and payment of tuition and fees.

The BOSP oversees student publications, which include *Ke Kalaheia*, the campus newspaper; and *Kanilehua*, a literary journal. All HawCC students pay a publication fee to fund the journal's creation and distribution.

The SAC and the BOSP are organized to benefit students from both HawCC and UH-Hilo. Students on both campuses are charged the same fees. The Constitution and By-Laws of both organizations require that both student bodies be equally represented. The fees from all students at both campuses also fund the operation of the Campus Center, the intramural program, and the gallery.

Students with special interests may participate in campus activities through membership in the many clubs and organizations that are active during the academic year. Clubs and organizations can be valuable assets to students by providing opportunities for interaction with others, for development of leadership skills, and for participation in recreational and academically related activities that can be pursued during college and after graduation. Clubs must be officially recognized in order to utilize campus facilities, sponsor HawCC related activities, or to receive funding from the ASUH-HawCC. The Student Life Center also provides orientation and training opportunities for registered clubs and organizations throughout the year.

Alpha Psi Epsilon Chapter of Phi Theta Kappa

Phi Theta Kappa is the internationally recognized honor society for two-year colleges. Alpha Psi Epsilon, the HawCC chapter, was chartered in the Spring of 1993. The purpose of the honor society is to recognize educational achievement. The goals are to promote scholarship, leadership, service, and fellowship.

To become members, students must have at least a 3.5 cumulative GPA, must have earned at least 12 credits towards their Associate degree, and must be invited by the Dean of Student Services of HawCC. New members are inducted each semester based on their academic status at the end of the previous semester. To remain in good standing, members must maintain a minimum 3.00 cumulative GPA. Membership is open to students at both the Hilo campus and at the University Center at West Hawai'i.

Benefits of membership include eligibility for scholarships, scholarly workshops, officer and committee chair positions, participation in college and community service projects, and social support and networking.

University of Hawai'i System Average Graduation and Persistence Rates

This information shows the average percentage of full-time, first-time, certificate- or degree-seeking undergraduates entering in fall semesters who have graduated or are still enrolled. An average of 35% of the students entering a UH community college have either graduated or are still enrolled three years after entry, though the rates at individual campuses vary. Graduation rates are not available for students transferring out to other institutions. This information should not be used to infer or predict individual behavior.

Rates are 6 years after entry for UH-Mānoa and UH-Hilo, and 3 years after entry for the UH-Community Colleges.

	Still Graduated	Enrolled
Six years after entry:		
University of Hawai'i at Mānoa	54%	11%
University of Hawai'i at Hilo	31%	7%
Three years after entry:		
Hawai'i Community College	21%	14%
Honolulu Community College	14%	17%
Kapi'olani Community College	11%	26%
Kaua'i Community College	18%	17%
Leeward Community College	12%	24%
Maui Community College	18%	16%
Windward Community College	11%	18%

This information is provided in compliance with the Student Right-to-Know act, Public Law 101-542. Institutions are required by Sec. 668.41 of the law to disclose and disseminate this information through appropriate publications and mailings to all currently enrolled and prospective students.

Sources: Institutional Research Office, University of Hawai'i, January 2008. <http://www.hawaii.edu/iro/srtk>



Admission and Registration

Mailing address for Student Services units:

Admissions and Registration Office

Records Office

Financial Aid Office

Counseling and Support Services

Hawai'i Community College

200 W. Kāwili Street

Hilo, HI 96720-4091

Office of Student Housing

University of Hawai'i at Hilo

200 W. Kāwili Street

Hilo, HI 96720-4091

Admission of Students

HawCC is open to any high school graduate or person 18 years of age or older who can benefit from the instruction offered. Additional admission criteria may be imposed for individual community college programs.

Application and admission information may be obtained from high school counselors in Hawai'i or from the Admissions and Registration (A&R) Office, Manono Campus, Bldg. 378, or the University of Hawai'i Center at West Hawai'i, Student Services (WHSS) Office in Kealahou. These forms may also be downloaded from <http://www.hawaii.edu/admissions>

The admission application, "University of Hawai'i System Application Form," includes instructions for completing the application. Applications and all supporting documents must be received by August 1 for the fall semester and December 3 for the spring semester. (Nonresident applicants are assessed a \$25.00 application fee.)

International students requiring a student visa must submit all documents (see page 14) by April 15 for the fall semester and August 15 for the spring semester.

Successful applicants are reminded that acceptance *does not* imply that on-campus housing and/or financial aid is available. While the College will make every effort to assist, students must arrange for their own financial aid and housing.

Admission Procedures

All prospective students must:

1. File an official application for admissions by the published deadline. Any exceptions, with documentation, should be directed to the Admissions Officer.

The Nursing program may have earlier admission deadlines. Admittance to the College is not acceptance into the

program. Consult the program section of this catalog for further information.

2. Request and file a financial aid application before April 1 if seeking financial assistance. Applications received after April 1 will be processed, but awards will be made to eligible students only if funds are available. Application forms are available at the HawCC Financial Aid Office, Bldg. 379A (Manono campus), phone: (808) 974-7660. See separate section on Financial Aid.
3. Request and file an official application for on-campus housing by March 31 if seeking on-campus housing. Contact the Office of Student Housing (808) 974-7522. Acceptance to the College does not guarantee on-campus housing.
4. Arrange to take placement tests. Placement testing is required prior to registering for English, Math, and certain other courses. Tests are administered according to established TLC policies and procedures. Call The Hale Kea Advancement and Testing Center at (808) 933-3219 or the WHSS at (808) 322-4862 for information and appointments. Accommodations for students with disabilities can be arranged, call (808) 933-0702 [TTY].
5. Attend a Student Orientation Advising and Registration (SOAR) Session. Call (808) 974-7741 for details on time and place.

Acceptance to Hawai'i Community College

Students are accepted into the College with a "classified" status by declaring a designated program or major of their choice. However, in a few cases the student may not be able to enroll in the beginning courses in the program because:

1. Certain prerequisites for the courses have not been met.
2. The program may be filled.
3. Beginning courses in the program are not offered in that semester.

Applicants will be notified by mail of their acceptance and given information regarding registration. Prior to registration for courses, the student is expected to:

1. Submit a negative tuberculin test or chest x-ray report (valid if taken within one year of the first day of instruction) and proof of immunity to measles (rubeola), mumps, and rubella directly to the A&R/WHSS Office.
2. Complete English and Math placement testing as required.
3. Attend a scheduled Student Orientation, Advising and Registration (S.O.A.R.) session. Call (808) 974-7741.

After registration for courses, the student is expected to:

1. Pay for all tuition and fees by the published deadline.
2. Attend classes regularly; see No Show Policy.

Some programs accept students only in the fall semester. If the program is filled, students are unable to enroll in courses for their program. They will be advised to take other related courses. After one semester, the student usually will be able to take beginning courses in the program; however, in a few programs the waiting period may extend to a full academic year or more. Continuing students will be given priority in fall semesters to enter the programs when space becomes available.

The following programs accept all students who apply: Administration of Justice; Business; Early Childhood Education; Hawaiian Life Styles: Hula Option, Lawai'a Option, Mahi'ai Option; Hotel Operations; Human Services; Information Technology; Liberal Arts; and Tropical Forest Ecosystem and Agroforestry Management.

The following Applied Technical Education programs will accept students on a first-come, first-served basis: Agriculture; Architectural/Engineering/CAD Technologies; Auto Body Repair and Painting; Auto Mechanics; Carpentry; Diesel Mechanics; Electrical Installation and Maintenance; Electronics Technology; Food Service; and Machine, Welding, and Industrial Mechanics.

For the Nursing programs, an official high school transcript, printed in English, is required as part of the admissions process, as well as a pre-admission examination in English and math (see Placement Test reference for more information). The National League for Nursing Pre-Admission Examination for Associate Degree or Practical Nursing applicants is also required.

Counselors and support program coordinators are available to provide information about the College and its programs and to assist each applicant in choosing a program that offers the maximum opportunity for self-development. Information is also provided to students via e-mail through their hawaii.edu account.

Summer Session

Admission to Summer Session is open to high school graduates and individuals eighteen years of age or older. Students are expected to have satisfied prerequisites for those course(s) in which they enroll.

High school juniors and seniors are eligible to enroll in Summer Session classes at HawCC through the Early Admissions and Running Start programs. See section titled Early Admissions Program.

Applications may be obtained from the A&R Office, Manono Campus, Bldg. 378 or the WHSS Office in Kealakekua.

Residency Regulations for Tuition Purposes

Students other than statutory exempt individuals, who do not qualify as bona fide residents of the State of Hawai'i, according to the University of Hawai'i rules and regulations in effect at the time they register, must pay nonresident tuition. An official determination of residency status will be made at the time of application. Applicants may be required to provide documentation to verify residency status. Once classified as a nonresident, a student continues to be so classified during his/her term at the College until he/she can present satisfactory evidence that changes the residency status.

Definition of Hawai'i Residency: A student is deemed a resident of the State of Hawai'i for *tuition purposes* if the student (18 or older) or, in the case of a minor student, his/her parents or legal guardian have:

1. Demonstrated intent to reside permanently in Hawai'i;
2. Been *continuously physically present* in Hawai'i for the 12 consecutive months *prior* to the first day of instruction; and
3. Has *not* been claimed as a dependent (whether adult or minor) for tax purposes by his/her parents or legal guardians who are *not* legal residents of Hawai'i.

To demonstrate the intent to make Hawai'i your legal residency, the following apply:

1. Voting/registering to vote in the State of Hawai'i
2. Filing Hawai'i State Resident Personal Income Tax Return

Other information such as employment, carrying on of a business, ownership of residential property or continuous rental of a dwelling on a lease basis in Hawai'i, or the presence of immediate family members in Hawai'i may apply. No single act is sufficient to establish residency in the State of Hawai'i.

The following rules of residency determination shall be applied in all cases:

1. The twelve months of continuous residence in Hawai'i shall begin on the date upon which the first overt action (see above) is taken to make Hawai'i the permanent residence.
2. Residency in Hawai'i and residency in another place cannot be held simultaneously.
3. Presence in Hawai'i primarily to attend an institution of higher learning does not create resident status. A nonresident student enrolled for 6 or more credits during any term within the previous 12-month period shall be presumed to be in Hawai'i primarily to attend an institution of higher learning. Such periods of enrollment shall not be applied toward the physical presence requirement.
4. The residency of unmarried students who are minors fol-

lows that of the parents or of the legal guardian. Marriage emancipates a minor.

5. Resident status, once acquired, will be lost by future voluntary action of the resident inconsistent with such status. However, Hawai'i residency will not be lost solely because of absence from the State while a member of the United States Armed Forces, while engaged in navigation, or while a student at any institution of learning.

These considerations do not exhaust all of the factors that affect determination of residency. For more information, consult the "Rules and Regulations Governing Determination of Residency as Applied to Tuition Payments and Admission at All Institutions Under the Jurisdiction of the Board of Regents of the University of Hawai'i."

For additional information or interpretation, contact the Residency Officer at HawCC's Admissions and Registration Office.

Nonresident Students

Candidates for admission from outside the State of Hawai'i must meet all the requirements noted for Hawai'i applicants. Admission is also contingent upon the College's nonresident student enrollment quota. Therefore, out-of-state candidates should await written notice of acceptance before coming to Hawai'i. No special consideration can be given to students whose applications have not been accepted.

Once classified as a nonresident, a student continues in this status at HawCC until submitting satisfactory evidence that changes the residency status.

The maximum number of nonresident students that can be accepted by HawCC is limited by the Board of Regents policy. Students classified as nonresidents are required to pay nonresident tuition, unless exempted from paying such tuition through one of the statutory exemptions listed below:

1. United States military personnel and their authorized dependents during the period such personnel are stationed in Hawai'i on active duty
2. Members of the Hawai'i National Guard and Hawai'i-based Reserves
3. Persons who are legal residents of a district, commonwealth, territory, or insular jurisdiction, state, or nation which provides no public institution of higher learning may be eligible for a tuition exemption which allows them to pay 150% of the resident tuition
4. Employees of the University of Hawai'i System and their spouses and legal dependents
5. Hawaiians: descendants of the aboriginal peoples that inhabited the Hawaiian Islands and exercised sovereignty in the Hawaiian Islands in 1778.

Misrepresentation: A student or prospective student who intentionally or willfully misrepresents any fact or any form or document intended for use in determination of resident status

for tuition purposes will be subject to the regular disciplinary measures of the University of Hawai'i System.

Appeal Process: Residency decisions may be appealed by contacting the Residency Officer for information. Appeals are heard by the Residency Appeals Board only after the non-resident tuition is paid.

International Students

Counseling and Support Services

200 W. Kāwili Street

Hilo, HI 96720-4091

Ph: (808) 974-7741

International applicants must comply with all regulations of the Immigration and Naturalization Service as well as with applicable policy of the Board of Regents of the University of Hawai'i and the policies of HawCC. For purposes of clarifying requirements for admission, international students who are not U.S. citizens and who have not been admitted to live in the U.S. permanently are designated as nonimmigrants. HawCC is authorized under Federal Law to enroll nonimmigrant alien students.

International students requiring an I-20 for application for an F1 visa must submit the following:

- UH System Application Form
- \$25 Application Processing fee
- Supplementary Information Form for Undergraduate International Applicants (FSS). To download this form, visit <http://www.hawaii.edu/admissions>
- A current (within 90 days from date of application) original bank statement from sponsor(s) signing the FSS Form - Section C Part II. The statement must indicate at least \$22,524 (US dollars) in available funds.
- Evidence of having completed the equivalent of a United States high school education. Such evidence may include an official copy of secondary school academic records, and/or official certificates of the results of qualifying examinations and attested true copies of mark sheets. All documents must be printed in English.
- Test of English as a Foreign Language (TOEFL) for international candidates whose native language is not English. A minimum score of 450 on the paper-based test, or the equivalent minimum score of 133 on the computer-based test is required. Scores must be less than two years old and must be sent directly to Hawai'i Community College (code #4322) from ETS. Information about TOEFL may be obtained by writing directly to: Test of English as a Foreign Language, Box 899, Princeton, New Jersey 08540, USA. Or, visit the website at <http://www.toefl.com>

International students who do not have the TOEFL score to enter HawCC's credit classes can take the Intensive English Program (IEP). After successfully completing this course, students may enter HawCC credit classes without a TOEFL score. Please see the section titled Intensive English Program for more information. (Policy Haw 7.220)

All application materials must be received by the deadlines listed in the academic calendar.

A select number of highly qualified international students from certain Pacific/Asian jurisdictions may be eligible for a complete or partial tuition subsidy. Please contact the HawCC Financial Aid Office for details.

All nonresident 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 health care expenses resulting from accidents or illness.

In compliance with public health regulations, new students prior to enrollment must show evidence that they are free of active tuberculosis and immunized against measles (rubeola), mumps, and rubella.

Once admitted, the nonresident international student with a valid student F-1 visa must maintain a minimum course load of 12 credits each consecutive fall/spring semester in order to remain in status with the United States Customs and Immigration Services (USCIS).

HawCC complies with all applicable requirements of other state health agencies and councils as may be required by law or by rules and regulations.

Veterans and Dependents

HawCC is an approved educational institution for education and training under the Veterans' 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. For more information, call 1-888-442-4551 or visit the website at <http://www.gibill.va.gov>

Veterans who are registered for the first time under the GI Bill must present a copy of Form 22-1990 (Application for Education Benefits) to the Records Office. Dependents of disabled veterans and survivors of veterans whose cause of death was service-related, who register for the first time under any provision of the Federal Veterans' Bill, must complete and present VA Form 22-5490 to the HawCC Records Office, Manono Campus. For more information call the VA Representative at (808) 974-7662.

Chapter 31 Disabled Veterans should contact the Hā'awi Kōkua Program at (808) 933-0702 [TTY].

Transfer Students

Transfer students are those who were previously enrolled at a college or university (including UHH) other than HawCC. Students who are transferring to HawCC must arrange for their official transcripts, printed in English, to be sent to the Records Office directly from institutions previously attended. For all institutions outside of the University of Hawai'i System, the student must keep in their possession a course catalog or course description for all courses. Do not send this information to the Records Office. An official evaluation will be processed *after* the student registers. The materials submitted become the property of HawCC.

Courses will be processed for possible transfer credits only if applicable to the student's current major and if the course was completed with a grade of "D" or better. When applicable, transfer credits may be counted towards the specific requirements of a program; otherwise, they will be counted as general electives. However, neither grade points nor grade point averages earned at other institutions are used in the computation of HawCC accumulative grade point average. (Policy Haw 7.208)

Auditors

Auditors must fulfill all requirements for regular admission. Persons wishing to participate in courses as auditors may apply for the privilege by completing and submitting the auditor's form no earlier than the first day of instruction, and no later than the deadline published in the academic calendar. Permission of the instructor is required. (Policy Haw 7.207)

Returnees

Any student who terminates his/her enrollment at HawCC during the semester and returns the following semester is considered a continuing student. A student who terminates his/her enrollment and is gone for one complete semester or more will be required to reapply for admission. A student whose enrollment is interrupted for two or more consecutive semesters (excluding summer sessions) must complete the requirements in effect at the time the student is readmitted or the requirements in effect at the time of his/her graduation. (Policy Haw 5.702) If the student attended another institution of higher learning in the interim, he/she must reapply as a transfer student.

Unclassified Nondegree Students

A person who wishes to take courses at HawCC, but does not wish, or does not qualify, to enroll in a degree program, may apply for admission as an unclassified student by submitting the System Application Form. Most types of financial aid programs or campus student employment are not available to unclassified students. International visa students are not eligible for unclassified nondegree status. An unclassified student may declare a major and become a classified student by completing the Change of Major Form at the A&R/WHSS Office. After a semester has started, changing one's major becomes effective the following semester.

Early Admission Program

The Early Admission Program is intended to encourage highly motivated and academically and/or vocationally talented high school juniors or seniors to advance in their schooling by supplementing their regular high school work with selected college courses. Interested applicants must comply with the regular admissions application procedure including application deadlines and completion of the Early Admit Application. After consultation with their high school counselor and the College Admissions staff, qualified candidates may be admitted on a part-time, nondegree status. Acceptance is valid for one semester only. Continuation in the Early Admission Program depends upon the maintenance of a 2.0 grade point average (GPA) and approval of the College in consultation with the high school counselor.

A student seeking early admission should contact a HawCC counselor for guidance and explanation of the application process.

Running Start is a statewide program that provides an opportunity for academically qualified public high school juniors and seniors to enroll in Hawai'i Community College classes through the University of Hawai'i System as part of their high school course work. Students can earn both college and high school credits.

To participate, the student must:

- be in grade 11 or 12 and attending a Hawai'i public or charter high school,
- be under the age of 21 as of September 1 of the school year in which the college course is taken
- have taken the COMPASS Placement Tests in Reading, Writing, and Math,
- meet the prerequisite(s) for the college course(s), and
- pay Hawai'i Community College tuition and fees. (Students who receive free or reduced-price lunch at the high school are eligible to apply for the GEAR UP scholarship.)

Interested high school juniors and seniors should first contact their high school counselor for program information, forms, and consultation. Students in the Early Admission Program do not qualify to receive Veteran's benefits.

Health Requirements for Admission

State of Hawai'i Department of Health regulations require students to submit proof of health clearance for Tuberculosis (TB), measles (Rubeola), mumps, and rubella PRIOR to registration for classes. Health clearances must be signed by the administering practitioner or stamped by the administering clinic.

Tuberculosis (TB) Clearance: The student must present to the Admissions and Registration Office a Mantoux tuberculin skin test result of the diameter of induration of less than 10mm issued within 12 months before first attendance. If the diameter of induration is 10mm or more then a negative chest x-ray is also required. The certificate of TB examination and chest x-ray must be issued by a US practitioner.

Measles (Rubeola), Mumps, Rubella Immunization (MMR): All students born after 1956 must present proof of immunity to MMR. A student is considered immune to MMR by submitting documented proof of:

- having received two (2) doses of the MMR vaccine at least one month apart, on or after the first birthday; or
- having received one (1) dose of the MMR vaccine and one (1) dose of the measles (rubeola) vaccine at least one month apart; or
- documented evidence of physician diagnosed measles (rubeola), mumps, and/or rubella; or
- laboratory (blood test) evidence of MMR immunity.

A student enrolled at another college in the Community College System is presumed to have met the health requirements for registration as long as the student can provide a copy of the required health documents that were presented to the original college.

It is the personal responsibility of the student to obtain a preadmission medical examination and is highly recommended for all students entering the restaurant/food services, administration of justice, trade and industry, and nursing programs.

Student Health Insurance

Supplemental health and accident insurance is strongly recommended. The UH Medical Plan is designed for students and is generally less expensive than most other health insurance plans. Applications can be obtained from the Nurse-Educator located at the Campus Center on the Main Campus.

Health requirements for registration: All nonresident 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 health care expenses resulting from accidents or illness.

Placement Testing

Contact for appointments:

Hale Kea Advancement and Testing Center
Bldg. 387 (Manono Campus)
Nancy Schein, Educational Specialist
Leanne Urasaki, Educational Specialist
(808) 933-3219
(808) 933-0563
fax: (808) 933-0643

UH Center at West Hawai'i
Michael Hopson, Educational Specialist
Ph: (808) 322-4862

COMPASS Placement Testing in mathematics, reading, writing, and ESL is required at HawCC for all entering students except those listed below. Without placement test scores, registration into English, math and other courses is restricted.

Students with a disability requiring accommodations to take the placement test should contact the Hā'awi Kōkua Program at (808) 933-0702 [Voice/TTY] for assistance.

Students wishing to retake the COMPASS placement test are required to wait 60 days. Immediate retesting may be allowed when mechanical or other testing malfunctions occur.

Exceptions (Policy Haw 5.501)

1. Unclassified students who enroll in no more than one course per semester and do not enroll in any course that requires a minimum placement test score as a prerequisite.
2. Transfer students who have taken the COMPASS Test for placement in reading, writing, and mathematics can use their scores at HawCC. All test scores are valid for two years only, after which retesting must be done prior to enrollment into any reading, writing, or math course.
3. Transfer students who have completed college courses in reading, writing, or mathematics.
4. Transfer students who have earned an Associate in Arts degree or higher.
5. Placement Rules for Entering Students with Prior Degrees:
 - a) Students with an Associate degree place into Eng 102 and 22 and Math 24X.
 - b) Students with a BA/BS degree place into Eng 102 and 100 and Math 100, 27, 115.
 - c) This is for placement purposes only to assist students with registration and meeting of course prerequisites for all HawCC courses. This placement should be entered as

a Human Evaluation preliminary to entry of the student's transfer credit evaluation. Unofficial transcripts can be used for placement purposes only.

d) Official transcripts must be used to grant transfer credit for courses completed to meet HawCC program and graduation requirements.

e) Concurrent UHH classified majors (without HawCC placement scores) place into Eng 102, Eng 22 and Math 24X. UHH ESL students are placed by UHH English department recommendation into HawCC ESL courses.

Ability to Benefit: A student who does not have a high school diploma or a GED certificate can be considered for federal student financial aid programs if he/she can demonstrate the Ability to Benefit from postsecondary education. Federal regulations define Ability to Benefit as a passing score on a nationally approved test, such as the COMPASSTest. These tests are administered at the Hale Kea Advancement and Testing Center or at the UH Center at West Hawai'i.

SAT/ACT Scores: Students who meet one of the following criteria will be placed into Eng 100:

- A score of 550 or higher on the Critical Reading section AND a score of 550 or higher on the Writing section of the SAT test
- A score of 24 or higher on the Reading section AND a score of 24 or higher on the English/Writing section of the ACT test

Student Orientation

Counseling and Support Services
Bldg. 379, Manono campus
Ph: (808) 974-7741

Students (new, returning and transfer) will receive a notice to attend a Student Orientation, Advising and Registration (S.O.A.R.) session. To attend a S.O.A.R session, students must have submitted a completed UH System Application Form, have taken the placement tests, and be prepared to show a valid TB clearance. At this session students will:

- be oriented to HawCC programs and services and given general information,
- meet with their program advisor or a counselor, and
- be assisted with the registration process.

Students may instead choose to do their Orientation online, but will still need to meet with their program advisor or a counselor to register. After completing the online Orientation, students must print the last page certifying completion, and bring it to their Advising and Registration session. The online Orientation can be found at HawCC's homepage, <http://www.hawaii.hawaii.edu>

To assist in the registration process, it is important that new students bring certain personal documents to campus:

- Social Security card/number
- Driver's license (or other photo ID)
- Letter of acceptance to HawCC
- Placement test scores, and
- Any other important papers verifying your good standing.

Transfer students must request their official academic transcripts, printed in English, be sent to the HawCC Admissions and Registration Office. Catalogs with course descriptions from other colleges attended may be requested to help determine

equivalencies of courses taken. It is strongly recommended that you bring a copy of your college transcripts to advising since official evaluation is not completed until after your first semester at HawCC begins. A copy of your transcript will facilitate the advising and registration process.

For international students or recent immigrants from other countries, it is advisable to bring your:

- Passport
- Visa
- Immigration papers
- Birth certificate
- Health insurance documents and related medical papers
- Letter of acceptance to HawCC.

Payment of tuition is expected at the time of registration. If you are receiving financial assistance, you are responsible to notify the Financial Aid Office and the Business Office that you have tuition assistance in order to secure your registration.

Non-payment may result in cancellation of registration and the registration process will need to be repeated during Regular Registration.

All students should have adequate funds to ensure their smooth adjustment in setting up living quarters either on- or off-campus. Students are advised to establish appropriate accounts at local financial institutions to handle their funds. Major credit cards may also prove useful.

Credits

Courses are assigned semester credit values determined by the number of hours of study per week required of the student in and outside of the classroom or laboratory. Although semester credit hours normally are fixed, some variable credit courses are offered. The amount of credit given for a variable credit course must be approved by the instructor.





Registration, Withdrawals, and Other Changes

PLEASE NOTE:

If you register and decide not to attend, you must officially withdraw by the published deadline. Students with unpaid balances will be obligated to pay.

Regular Registration

The dates for registration are given in the HawCC Academic Calendar. Registration occurs prior to each semester.

Late Registration

The last date on which students may register in any term is indicated in the HawCC Academic Calendar.

Concurrent Registration

HawCC students may register online concurrently for classes at more than one community college in Hawai'i. Students may register only if the stated prerequisites for each class are met, and only if the class is open or with permission of the instructor(s). With any registration error message, students must contact the institution offering the class, or the instructor of the class, to receive permission to register.

All mandatory fees at HawCC and the other institution(s) must be paid, except for the late registration fee, which is waived by the other institution(s) according to their set deadlines.

If you are receiving financial aid from HawCC and are taking classes at other colleges in the UH System, your enrollment is not automatically protected from disenrollment due to non-payment. Check with the other college concerning their enrollment protection policies and procedures.

Credits transferred into HawCC, once posted, may not be repeated at another institution for a higher grade at HawCC. Only course(s) taken specifically at HawCC for credit will override the lower grade on record.

Policies on Adding and Withdrawing from Courses

To Add a Course: For semester-length courses, courses may be added online up to the end of the first week of instruction. After the first week of instruction, courses may be added in-person at the Admissions & Registration Office with instructor's signature on an Add form.

For courses that are less than the full semester in length, courses may be added up to and including the day prior to the start date of the course.

Students must meet any prerequisite and corequisite requirements. (Policy Haw 7.330)

To Drop/Withdraw from Courses: Courses may be dropped online until the Withdrawal with a "W" Deadline provided the course being dropped is not the student's last class at his/her home institution. (Policy Haw 7.330)

To Withdraw from a Course During the Erase Period: Courses dropped during the erase period will not appear on the student's transcript.

- For semester-length courses, the erase period runs through the end of the third week of the semester.
- For less than semester length courses, the erase period is up to the day before the third class meeting.

To Withdraw from a Course After the Erase Period Ends: For courses dropped after the third week of instruction, a grade of "W" will appear in the student's academic record. Students who fail to withdraw officially may receive an "F".

Complete Withdrawal

Students may not completely withdraw from Hawai'i Community College online. Students may come in-person to completely withdraw from the College through the last day of instruction. The Withdrawal Form needs to be signed by the instructor of the last class attended and then taken to the Financial Aid Office for a signature.

Upon complete withdrawal, through the end of the third week of the semester, courses will not appear on the student's academic record.

Complete withdrawal after the third week will result in a grade of "W" for each course. (Policy Haw 7.330)

Change of Home Institution

Students wanting to change their home institution to another Community College must submit a University of Hawai'i Change of Home Institution form. The deadline is listed on the Academic Calendar.

Parking on Campus

Parking Office
Auxiliary Services Building #300, Rm 101
Ph: (808) 974-7784

In Hilo, the Manono (Lower) Campus does not require a permit. All parking is open except in designated/marked stalls.

Parking permits are required to park a vehicle in all lots on the Upper Campus between 6:00am and 4:00pm (including parking with a Handicap placard). Starting on the first day of classes, permits need to be displayed on all class days during the fall and spring semesters. Daily passes are available or permits can be bought for the semester/academic year on a first-come, first-served basis. Parking applications for the different zones are available at the Parking Office on the Upper Campus. The following items are required to purchase a parking permit:

- completed parking application
- current driver's license
- valid motor vehicle registration certificate
- owner's waiver (if vehicle is not operated by registered owner)
- verification of enrollment (proof of payment done online or in-person, or a financial aid award letter).

At the UH Center in West HI, all parking is open except in designated and marked stalls.

Child Care

The Hawai'i Community College Children's Center in Hilo provides early education and care for children 18 months to 5 years of age. The Center serves children of students, faculty, and staff from HawCC and UHH. The program is accredited by the National Association for the Education of Young Children and the staff has specialized training in early childhood.

The Center offers a high quality developmental approach to early education and serves as a training site for Early Childhood Education students. There is a fee for service with student assistance available. Call (808) 933-0571 for more information.



Bookstore

Textbooks, other educational materials and equipment, convenience and personal items, and clothing are sold at the University of Hawai'i Bookstore. The Bookstore is located on the ground floor of Building 346 on the Main Campus.

Bookstore Hours:

Regular hours Mon-Fri:	8:00 a.m. - 3:30 p.m.
During registration:	8:00 a.m. - 6:00 p.m.
Saturday before classes start:	8:00 a.m. - 12 noon
First three days of classes:	8:00 a.m. - 6:30 p.m.
Remainder of first week:	8:00 a.m. - 5:00 p.m.

Housing

Student Housing Office
University of Hawai'i at Hilo
PB-11, Room 1
200 W. Kāwili St.
Ph: (808) 974-7522
fax: (808) 974-7652

e-mail: uhhouse@hawaii.edu

www.uhh.hawaii.edu/studentaffairs/housing

On-Campus Housing

In its residence hall operation, the Student Housing Program is committed to providing an atmosphere where personal growth can occur in an environment that complements the educational objectives of the University. Residents, student staff, and professional staff carry out this commitment by adhering to concepts of responsible freedom, which encourage active participation in the residence hall community. Numerous opportunities for self and group development are available to the residents through participation in the areas of educational, recreational and social programming, community government, and the development of resident hall policies and procedures.

Residence Halls

There are four coeducational residence halls on the UH Hilo campus, two traditional, one suite, and one apartment style hall. The majority of rooms in these halls are designed for two students (double accommodations). Residents in the traditional-style halls and suites must participate in a board program. A variety of meal plan options are offered. Rooms are furnished with twin-size beds, a chest of drawers, chairs, bookshelves, and desks. All other furnishings, including linens, must be supplied by the residents. All residence halls have recreation lounges, television room, and laundry facilities. All halls follow the

University policy on Tobacco Products. There is a no smoking policy for all rooms and walkways of all halls. Hale Kauanoë, Hale Kanilehua, and Hale Kehau have been designated as alcohol free and substance free halls.

Hale Kehau is a 236-bed, suite-style coed hall. Each two rooms share a bathroom that connects both rooms. All rooms are fully carpeted. Six units are designed to meet the needs of students with disabilities.

Hale 'Ikena, an apartment-style facility, provides accommodations for 196 students. Students applying to Hale 'Ikena must be 21 years of age or have completed 24 college credits. The majority of apartments in this facility are two-bedroom units with accommodations for four students in each unit. There is a limited number of one-bedroom apartment units accommodating two students. All apartment units are fully furnished with private bathroom, living room, and kitchen. Residents must provide their own linens and cooking and eating utensils.

Married students may reside in student housing provided that at least one spouse per married couple is a full-time student who qualifies under the geographical area provisions of the Board's applicable priority system, the other spouse being a full-time or part-time student.

Students with Disabilities

Two apartments at Hale 'Ikena and six units at Hale Kehau have been designed to meet the needs of students with disabilities who are capable of living independently. In addition, 17 units at Hale 'Ikena and 8 units at Hale Kauanoë are accessible to people with hearing impairments. Applicants for these accommodations should indicate on their application the nature of their need. Applicants requesting housing accommodations will be immediately referred to the University Disabilities Services Office for determination of eligibility. Reasonable accommodations will be provided to qualified persons with disabilities. Students must apply by regular deadlines. Applications are available in alternate format upon request.

Room and Board Fees - Subject to change

- I. ROOM RATES (Per Person/Per Academic Year) *
 - A. Dormitory-Style Residence Halls
 - Double room (two-person room) \$2,776.00
 - Single room (one-person room) \$4,164.00
 - B. Apartment-Style Residence Hall
 - Two-bedroom unit (two-person room)..... \$3,890.00
 - One-bedroom unit (two-person room)..... \$5,038.00
 - C. Suite Style
 - Two-bedroom unit (two-person room)..... \$3,510.00

II. BOARD PROGRAM

The meal program is administered by Sodexho Campus Services. Residents can eat their meals at any one of the many campus food outlets. These include the Residence Hall Dining Room serving dinner nightly and brunch on weekends and holidays; the Campus Center Dining Room serving 7 a.m. to 3 p.m. weekdays; Grab N' Go Express on the Library Lanai; and The Cube located near the Bookstore. The snack bar "Munchies" located at the Hale Kehau Resident Dining is open in the evening to serve those with late hour appetites.

All residents, except for those that reside at Hale 'Ikena, are required to be on a meal plan. Residents of Hale 'Ikena may purchase a meal plan at the same rates.

For more information, go to the Sodexho website at www.uhhcampusdining.com

BOARD RATES (Per Person/Per Semester) *

	Option	Price
Plan A	5 Meal Plan plus \$475.00 Points	\$1,687.50
Plan B	7 Meal Plan plus \$425.00 Points	\$1,761.25
Plan C	9 Meal Plan plus \$300.00 Points	\$1,811.25

* All rates subject to change with 30 days' notice.

Application Procedures

Applications for on-campus housing may be obtained directly from the Housing Office or downloaded from the Housing Office website at www.uhh.hawaii.edu/studentaffairs/housing. Assignments are made according to the date of receipt of application, application fee, Board of Regents assignment priority, and hall preference. BOR policy gives priority to all traditional freshman. For priority considerations, application must be received by the Student Housing Office by March 31st. All on-campus housing applicants must be accepted into a classified program of study before being eligible for housing placement. Assignments are for the academic year or remaining portion. Admission to the University does not assure students of on-campus housing. Applications for the upcoming academic year are available in the early spring and should be submitted as early as possible. Receipt of a housing application and application fee by the Housing Office does not guarantee on-campus housing.

Academic and Other Policies

Independent Studies/Directed Studies

Students may earn academic credits through Independent/Directed Studies in any of the areas in which credit courses are offered or to pursue other individual academic interests not included in credit courses.

Forms are available in the A&R Office, Manono Campus, Bldg. 378 or the WHSS Office in Kealahou, and must be completed prior to registration. Independent/Directed Studies require:

- 1) sponsorship of the appropriate instructor;
- 2) a description of the work to be undertaken;
- 3) approval of the appropriate division chairperson; and
- 4) permission of the Vice Chancellor for Academic Affairs.

A description of the work to be undertaken must contain: an outline of the study topic, specification of the work to be done, the type and frequency of faculty-student contact, the amount of credit to be given, and a statement of the evaluative criteria to be used by the faculty member.

For Independent/Directed Studies:

1. A student may register for not more than six (6) semester hours of Independent/Directed Studies per semester with not more than six (6) semester hours granted for any single course.
2. Independent/Directed Studies may be used as electives.
3. Independent/Directed Studies may not be used to meet area/program requirements unless prior permission is given by the advisor and the Vice Chancellor for Academic Affairs. (Policy Haw 5.602)

Attendance, Satisfactory Progress, Academic Probation, Dismissal, Readmission

Students who are 'at-risk' or in academic difficulty are encouraged to contact the Counseling and Support Services Center at 974-7741. Students can monitor their academic status by using the STAR Advising Tool. See section about STAR.

Class Attendance and No Show Policies

Class Attendance: Regular and prompt class attendance is expected of all students. It shall be the student's responsibility to inform the instructor(s) of anticipated or unavoidable absences and to make up work missed as a result of absences. (Policy Haw 7.505)

No Show: A student is responsible for attending both of the first two class sessions of the course, or the first session for classes meeting once a week. If a student misses both of the first two class sessions, or the first session for classes meeting once a week, he/she may be dropped by the instructor. (Policy Haw 7.505)

Warning: There are financial aid implications for students who are dropped from a course by an instructor. For tuition refunds, students are responsible for filing official forms. Refer to Tuition Refund and Drop/Withdrawal Policies. (Policy Haw 7.505)

If a student is dropped from a class by the instructor, the student will be notified by the Records Office. The notification includes appeal procedures.

Satisfactory Academic Progress

Satisfactory academic progress is defined by the College as maintaining a cumulative institution GPA of at least 2.0. Note: Federally-sponsored financial aid programs also define satisfactory academic progress in terms of a minimum number of credits completed each semester. Consult the Financial Aid Office if there is any doubt. (Policy Haw 7.520)

Academic Warning

A student whose semester GPA is less than 2.0, but cumulative GPA is 2.0 or higher, will be placed on academic warning and will be encouraged to seek academic counseling. (Policy Haw 7.520)

Academic Probation

A student whose cumulative GPA is less than 2.0 will be placed on academic probation. (Policy Haw 7.520)

Continued Academic Probation

Following a semester on academic probation, a student will be placed on continued academic probation if the GPA for the semester just completed was 2.0 or higher, but the cumulative GPA remains less than 2.0. (Policy Haw 7.520)

Academic Dismissal

A student whose semester and cumulative GPA is below 2.0 at the end of a semester of academic probation, continued academic probation, or probation after dismissal will be dismissed from the College. He/she may appeal the academic dismissal in writing to the Dean of Student Services within 10 working days of receiving the notification of academic dismissal. (Policy Haw 7.520)

Readmission

A student, who has been dismissed from the College for academic reasons and who did not appeal or whose appeal was not granted, may apply for readmission one year after the date of academic dismissal. Such a student will be readmitted only under circumstances deemed acceptable to the Dean of Student Services. (Policy Haw 7.520)

Other Provisions

Upon finding that a student is suffering from a physical or mental condition detrimental to the student and HawCC, the Dean of Student Services will, on professional advice, recommend proper action to the Vice Chancellor for Academic Affairs (VCAA) or Chancellor. The VCAA or Chancellor may then request that the student be withdrawn officially, without prejudice or academic penalty. (Policy Haw 7.520)

Grades

Students receive one grade in each course taken. This grade combines the results of course work, tests, and final examinations. Grades are indicated by letters, to each of which is assigned a certain value in grade points per semester hour of credit, as shown in the table below:

Grade	Significance	Grade Points Per Semester Hour of Credit
A	Excellent	4
B	Good	3
C	Fair	2
D	Poor	1
F	Failure	0
I	Incomplete	-
CR	Credit	-
NC	No Credit	-
W	Withdrawal	-
N	Work in Progress (Selected Courses Only)	-

Grade Points are given for all courses in which grades are reported. They are computed as follows:

For each semester hour of a course, 4 grade points are granted if the grade is "A," 3 if "B," 2 if "C," and 1 if "D."

Grade-Point Averages (GPA) are determined by dividing the total number of grade points by the total number of credits for which a student has received letter grades (excluding I, CR, NC, W, or N). The semester GPA is calculated using any one semester's credits and grade points. The cumulative GPA is calculated using all credits attempted and grade points earned at HawCC. (Policy Haw 5.301)

Incomplete Grade (I): A grade of "I" may be given for a course in which a student has failed to complete a small but important part of a semester's work, if the instructor believes that the failure was caused by conditions beyond the student's control and not by carelessness and procrastination. Each student who receives an "I" should consult with the instructor prior to the end of the semester to determine what work must be done to remove the "I".

If this work is completed by the deadline specified in the HawCC Academic Calendar, the instructor will report a change of the incomplete grade, taking the completed work into consideration.

If the work is not completed by the deadline, the "I" grade will become a grade as determined by the instructor. The time limit for incomplete removal prevails whether or not the student maintains continuous enrollment. (Policy Haw 5.303)

The "N" Grade: The "N" grade is only used in ESL courses and in entry-level math and English skills courses. The "N" grade indicates that the student has worked conscientiously but is not yet prepared to succeed at the next level. "N" grades do not affect the GPA and may be repeated as specified in the College Repeat Policy.

Students are cautioned that courses in which an "N" grade is awarded might not be counted towards "satisfactory academic progress" under certain federally supported financial aid programs. Students are advised to check with the Financial Aid Office. (Policy Haw 5.302)

Credit/No Credit (CR/NC): The Credit/No Credit option is maintained to encourage students to broaden their education by taking courses outside of major requirements without affecting their grade point average.

Course credit is awarded for courses completed at HawCC with certain restrictions:

1. No grade points are given for courses taken under this grading option.
2. Students may take a maximum of two (2) courses per semester on a "Credit/No Credit" basis provided that they are not on academic probation. A maximum of 12 credits from courses taken with the CR/NC option can be applied toward satisfying the requirements for graduation.
3. Students majoring in a vocational/technical program are not permitted to take a major required course for CR/NC, except when the only grading option offered is CR/NC.
4. Liberal Arts (AA Degree) majors may utilize the CR/NC option to satisfy area and elective requirements.
5. To qualify for credit, the work of the student must be at least at the "C" grade level.
6. The CR/NC option must be exercised by the date designated for this purpose in the HawCC Academic Calendar.
7. Please note that some colleges, graduate schools, professional-awarding agencies and employers may not allow this option and/or may recalculate the earned credit as a "C" grade and the earned "NC" grade as an "F" grade.

If in doubt, it is best to take a course for a regular letter grade, not for Credit/No Credit. (Policy Haw 5.503)

Change of Grade: A student who believes an error has been made in the assignment of a grade must initiate contact with the faculty member involved or, if the faculty member is unavailable, the department chairperson, division chairperson, or Vice Chancellor for Academic Affairs, by the last instructional day of the next regular semester. Failure to act within that time period disqualifies the student from further pursuit of the matter.

Repeating Courses

Students can repeat courses once without restrictions. For any subsequent repeats, students must register during late registration on a space-available basis with instructor approval. All entries remain a part of the student's permanent academic record.

Repeating courses for a higher grade: If a student is repeating any course for a higher grade, credit is allowed only once. The GPA is computed by using the highest of the grades received. Transfer courses do not apply.

Repeating courses for additional credit: Certain courses may be designated as repeatable for credit and are identified in the catalog. The course may only be used once as an area requirement towards the Liberal Arts (AA) degree. When repeated, the course will count as a general elective. Cross-listed courses may be repeated for credit under one alpha only. (Policy Haw 5.304)

Courses Fulfilling Two Different Area Requirements

In a few instances, a single course has been approved as satisfying more than one of the area requirements for the Liberal Arts (AA) degree. However, students completing such a course may only receive credit to one area requirement. They will be offered their choice of which requirement is satisfied and will be expected to fulfill the other requirement(s) with other courses. (Policy Haw 5.607)

Cross-listed Courses

A cross-listed course is one that has the same course title, description and number, but listed under two alphas. To qualify as a cross-list, the course content is made up of approximately 50% of material from each discipline. A cross-listed course will only count once toward graduation. (Policy Haw 5.305)

Final Examinations

Final examinations normally are required in all courses. All such examinations are to be conducted during the final examination period specified in the HawCC Academic Calendar and Schedule of Classes or, in the case of modular classes only, on the last day of class. The academic discipline may determine to establish a student's course grade based on the semester's work and may elect not to give final examinations. Students are advised to consult with their instructor and check their course syllabus.

No comprehensive examinations are allowed in the two weeks preceding the final examination period. (Policy Haw 5.504)

Credit By Examination

Students at the College are eligible for three forms of credit by examination, credit for previous non-English language study, and credit for military service.

Advanced Placement Examination Program (AP)

Credit for comparable HawCC courses, as well as advanced standing, may be granted to students who complete Advanced Placement Tests offered by the College Entrance Examination Board. Advanced placement credit decisions are made by the faculty of the appropriate HawCC academic discipline. Students should consult individual Division/Department Chairs for advanced placement policies. (Policy Haw 5.603)

College Level Examination Program (CLEP)

The College Level Examination Program enables students to earn college credit by examination in areas approved by the disciplines. Regular students may take CLEP tests to demonstrate college level competency no matter when, where, or how this knowledge has been acquired: through formal study, private reading, employment experiences, noncredit courses, military/industrial/business training, or advanced work in regular high school courses. This program gives individuals the opportunity to validate and receive credit for college-level knowledge they already possess.

Criteria for passing the CLEP general and subject examinations are determined by the appropriate academic discipline. A score of 50 on these examinations may yield course credit. Students should consult individual Division/Department Chairs for CLEP policies. The essay portion of the CLEP subject examination may be required by the academic discipline.

No student is eligible to take CLEP general examinations for HawCC credit after reaching sophomore standing (i.e., the student must have completed not more than 24 semester hours of college work). (Policy Haw 5.606)

Credit for Previous Non-English Language Study

Students who have learned non-English languages outside of the University of Hawai'i may earn credit for their language in one of three ways:

1. by satisfactory completion (a grade of "C" or better) of a more advanced course in the language sequence (e.g., completion of Japanese 201 also gives credit for Japanese 101-102);
2. through credit by institutional examination, if the language is taught at the College; or
3. through the Advanced Placement Examination Program.

For more detailed information on options 1 and 2 above, students should consult with the Dean of Instruction.

Speakers of a non-English language may receive credit for language courses in their own language. (Policy Haw 5.604)

Credit by Institutional Examination

Most HawCC courses require hands-on, time-on-task practice, and day-to-day attendance for students to receive the full benefit of the educational experience; such courses are NOT appropriate or available for Credit by Institutional Exam (CBIE). CBIE is available only in a limited number of courses determined to be appropriate by the faculty members and Division Chair of the discipline involved. (Policy Haw 5.601)

To be eligible to earn credit by examination, the student must be officially enrolled at HawCC.

The student should:

1. contact the appropriate Division Chair to determine if credit by examination is available in the particular course the student wishes to challenge
2. obtain the request form from the Division Office
3. present the form to the Division Chair for approval. If approval is granted, the division chairperson shall arrange for such an examination.
4. register for the course
5. show proof of paid registration in the course to the division chairperson
6. take the examination as arranged

The examination shall be as comprehensive as the usual “final examination” and must be designed to serve as the scholastic equivalent of the course.

Upon completion of the examination, the examiner reports the result to the Registrar on the appropriate form. Credits awarded are recorded on the student’s record and designated as credits earned through examination with a “CE” grade or “NCE” grade as appropriate. Report results are final.

Credit for Education Received While in Military Service

Upon submission of official service documents and certificates, the Records Office will consider and evaluate all educational experiences undertaken during military service in accordance with the credit recommendations of the Commission on Accreditation of Service Experiences and the Guide to Evaluation of Educational Experiences in Armed Forces. The Records Office will transmit its evaluation and recommendations to the relevant discipline for action as to the amount and kind of credits, if any, which are to be accepted. College courses satisfactorily completed through the Defense Activity for Nontraditional Educational Support (DANTES) may be accepted for advanced standing upon the recommendation of the Records Office and approval by appropriate faculty members. (Policy Haw 5.605)

Academic Waivers and Substitutions

Any student may petition the Vice Chancellor for Academic Affairs for a waiver or a substitution of any academic policy or regulation. The petition should include clear and convincing justification for the action requested.

Classification of Students

Full-time or Part-time Students: Students may register for either part-time or full-time status. Students registered for:

- A minimum of 12 semester hours are full-time.
- Fewer than 12 semester hours are part-time.

Classified Students: Classified students are candidates for:

- Certificate of Completion
- Certificate of Achievement
- Associate in Arts
- Associate in Science
- Associate in Applied Science, or
- Associate in Technical Studies Degree

Students are further identified by credits achieved: freshmen, 0-24 semester hours completed; sophomores, 25 or more.

Unclassified Students: All students who are not candidates for a certificate or a degree are “unclassified students.” Unclassified students do not qualify for financial aid or campus student employment.

Change of Major/Classified Status

Classified students who wish to change their major should consult with their counselor or faculty advisor before completing a Change of Major Request Form. The change in major will become effective the following semester. A change of major may impact:

- financial aid
- graduation date
- veteran’s benefits, and/or
- graduation requirements.

Veterans must notify the Registrar prior to changing their major. This form is available in the R/WHSS Office.

Time Limits on Credits Earned

At HawCC, certificate and associate degree students shall have as much time as necessary to complete their curriculum requirements. However, any credits they earned more than ten years before graduation in courses which have materially changed in content or standards may not be applied toward the certificate or associate degree. Acceptability will be determined by the Vice Chancellor for Academic Affairs and the appropriate division chairperson.

Please note that the Satisfactory Academic Progress Policy for financial aid has a maximum time frame for financial aid eligibility while a student completes degree/certificate requirements. (Policy Haw 5.650)

Graduation Requirements

A student must satisfy either the graduation requirements in effect at the time he/she first enrolls as a classified student in a specific HawCC degree or certificate program, or the requirements in effect at the time of his/her graduation. A student whose enrollment is interrupted for two or more consecutive semesters (excluding summer sessions) must complete the requirements in effect at the time the student is readmitted or the requirements in effect at the time of his/her graduation.

Students are responsible for submitting a Petition to Graduate by the published deadline and verifying that they have completed all courses required for their degree or certificate program. It is highly recommended that students meet with their academic major advisors during the semester prior to their graduation. This will allow them the opportunity to take any missing required classes during their last semester.

A minimum 2.0 GPA from HawCC courses is required for graduation in all programs. (Policy Haw 5.702)

NOTE: The Community Colleges of the UH System require a minimum 2.0 GPA from 100- and 200-level courses for the AA degree in Liberal Arts (LBRT).

Application for Graduation

An application for graduation from any of the certificate or degree programs offered by the College is available at the Records Office. Once completed and checked by Records Office staff, it should be submitted to the Business Office for processing by the deadline specified in the HawCC Academic Calendar.

A non-refundable graduation fee of \$15.00 is payable at the time a student submits an application for graduation. A separate graduation application and fee are required for each degree or certificate being completed. Students applying for an Associate of Arts, Associate in Applied Science, Associated in Science, and Certificate of Achievement may also purchase a Hawaiian language diploma in addition to, not an alternative for, the English language diploma for an additional \$15.00.

If the student does not graduate that semester, the application can be transferred to ANOTHER semester. However, another application for graduation must be submitted along with proof of prior payment by the published deadline for that semester. If there is an increase in the fee, the student will be charged the difference.

Graduation ceremonies are conducted during the Spring semester only; however, the previous Summer session and Fall semester graduates are eligible and are invited to participate in the ceremonies. Students should keep in mind that final course grades are due after graduation ceremonies. Therefore, participation in the ceremonies does not guarantee a student has officially completed his/her program requirements. (Policy Haw 5.701)

Honors

Student academic achievement shall be recognized each semester by the Dean's List, and at the time of graduation by Graduation with Honors.

Dean's List: Students who complete 12 or more credits for a letter grade and who achieve a GPA of at least 3.5 for that semester will have their names included on the Dean's list.

Honors at Graduation: The designation of Honors at Hawai'i Community College is determined at the time of graduation and is based upon the cumulative institution GPA for credit earned while at this college. The Honors designation shall be determined in the following manner:

Honors	GPA of 3.50 to 3.69
High Honors	GPA of 3.70 to 3.84
Highest Honors	GPA of 3.85 to 4.00

Only students who earned at least 30 credits at HawCC, of which at least 27 credits were taken for letter grade, are eligible for graduation with Honors. (Policy Haw 7.510)

Multiple/Duplicate/Second Degree Policy

Students may earn, concurrently or sequentially, more than one degree at the College under the following conditions:

1. Earn a minimum of 15 semester hours towards a second degree, beyond the hours required for the first degree.
2. Satisfy the requirements for the majors of both degrees. The major in the first degree must be different from the major in the second degree.
3. Satisfy all other requirements for both degrees.
4. Financial Aid recipients are advised to earn multiple degrees sequentially, not concurrently. The latter may result in exhaustion of financial aid eligibility before completing any degree. (Policy Haw 5.850)

Transcripts

A student may obtain an official transcript of his/her HawCC academic record by filing a Request for Transcript form at the A&R/WHSS Office. The following fees apply:

- \$5 is charged in advance for each transcript requested
- \$15 is charged for processing within 24 hours after payment is made and request form received by the Records Office.
- No fee is charged if transcript is to be sent to another UH System Admissions Office. However, rush fees will apply to requests requiring processing within 24 hours.

All transcripts released to students are stamped "ISSUED TO STUDENT." These transcripts are official documents as they bear the Hawai'i Community College seal and Registrar's signature. The stamp "ISSUED TO STUDENT" makes it clear to a third party that the student once possessed the transcript.

Transcripts received from other educational institutions must be printed in English. These official transcripts become the property of HawCC. Students should arrange for such records to be sent directly from the original educational institutions. Students are advised to keep copies of their transcripts and course descriptions from other institutions at all times.

Counseling and Support Services

Counseling and Support Services Center

**Bldg. 379, Manono campus
Kenoalani Dela Cruz, Counselor
Robert Duley, Counselor
Karen Crowell, Counselor
Karen Leialoha, Counselor
Helen Nishimoto, Counselor
Kaleopono Quintana, Counselor
Ph: (808) 974-7741
hawccssc@hawaii.edu**

**UH Center at West Hawai'i
Raynette Haleamau-Kam, Counselor
Ph: (808) 322-4856**

Counseling and support services are designed to help all students develop academic and personal skills in order to succeed in college. Support services are available for students who are low income, academically under prepared, displaced homemakers, and/or returning older nontraditional students. Individual and/or group counseling is provided by appointment or walk-in in the following areas:

1. Admissions: to assist prospective students with admissions procedures.
2. Academic: to help students be successful in their coursework through awareness of learning and study strategies, academic rules and regulations, educational options, and transfer procedures.
3. Career: to help students in determining career choices by using interest inventories and computerized information about training, educational requirements and career opportunities.
4. Financial Aid: to assist students in the application process for financial aid and scholarships and to counsel students on financial aid probation, suspension, or termination.
5. Personal: to help students achieve positive relationships with self and others to facilitate the advancement of educational and career goals.
6. Job Search: to help students learn job search skills, including resume writing, interviewing, and locating employment on- and off-campus.

In addition to responding to student requests for assistance, the Counseling and Support Services staff reach out to students with special needs through a cooperative arrangement with faculty. For example, students who are observed early in the semester to be having difficulty in a course may be referred to Counseling and Support Services for counseling.

Also, students on academic warning, probation, or readmission after academic dismissal receive letters encouraging them to seek counseling assistance in order to identify and correct problem areas to promote college success.

The Career Services Center

**Bldg. 379, Rm 1A, Manono campus
Karen Leialoha, Counselor
Ph: (808) 974-7741**

The Career Center offers free resources and assistance to students who want to choose a career or major or prepare for a job search. Questionnaires and computerized inventories are available to help students clarify their strongest interests, their favorite skills, and value preferences. This knowledge of interests, skills and values, together with career counseling can link students to compatible careers and majors.

The center offers numerous resources that detail information about Hawai'i Community College majors, job titles, job duties, wages, future outlook, and the college classes/majors required to pursue them. The center's job search assistance includes listings of job openings and internships; help with resumes, cover letters, and job interviewing; and job referrals. In addition, the center offers numerous workshops and class presentations on effective job search strategies, resume writing, and interviewing. All services are available by appointment.

Job Placement Services

**Bldg. 379, Rm 1A, Manono campus
Helen Nishimoto, Counselor
Ph: (808) 974-7741**

A separate Job Placement Office located in the Career Center provides on and off campus employment assistance to students and graduates. Through the assistance of the Job Placement Counselor, students are able to review current job listings, prepare for upcoming job searches, and learn to navigate the channels needed to gain meaningful employment in their chosen field. Work-based learning and campus employment assistance are also provided.

Hā'awi Kōkua Program

**Services for Students with Disabilities
Bldg. 388 Rm 106, Manono campus
Karen Kane, Counselor
Ph: (808) 933-0702 [Voice/TTY]**

The Hā'awi Kōkua Program provides assistance to any student with a documented physical, learning, and/or psychological disability either permanent or temporary, which limits ability to fully participate in course study and campus activities at HawCC.

In accordance with Section 84.4 of the Federal rules and regulations governing Section 504 of the Rehabilitation Act of 1973, no qualified individual with a disability shall, on the basis of their disability, be excluded from participation in, be denied

benefits of, or otherwise be subjected to discrimination under any program or activity which receives or benefits from Federal financial assistance.

Students with documented disabilities, either permanent or temporary, may be provided with the following services through the Hā'awi Kōkua Program:

- Application and registration assistance
- Campus orientation
- Placement test accommodations
- Financial aid information
- Personal, academic, and career counseling
- Enlargement of course materials
- Readers, note takers, and sign-language interpreters
- Cassette recorders, talking calculators, large print calculators
- Computer adaptations (screen enlargers, ergonomic keyboards, voice recognition software)
- Specifically designed auxiliary equipment to meet the needs of the disabled student
- Campus accessibility map showing locations of ramps, restrooms, elevators, and accessible parking stalls
- TeleTYpe (TTY) device located in the Hā'awi Kōkua office, Bldg. 388, Rm 106 Manono Campus
- Technology Lab in Building 388, Room 104
- Student Support Group

Students in need of disability related accommodations are advised to contact the Hā'awi Kōkua Coordinator as early as possible so that services may be arranged on a timely basis.

Student Life Center and Kahua Ola (Lounge)
Bldg. 379, Manono campus
V. Ola Jenkins, Coordinator
Ph: (808) 933-1105

The Student Life Center complements the academic programs of study by deliberately planning and promoting extracurricular activities that reflect, support, and provide an extension of the academic efforts in the classrooms and laboratories. The function of Student Life is to offer an enhancement of the overall educational student experience through the development of, exposure to, and participation in, social, cultural, intellectual, instructional, recreational, and governance programs. It serves as a partner and sustainer of Hawai'i Community College's mission in the delivery of a quality education and stimulates life-long learning for all students.

Student Life foremost advises the ASUH-HawCC Student Government body to facilitate an appropriate and parliamentary practice of governance, as well as support in creating student activities. It advises ASUH-HawCC Student Government in being responsible fiduciary stewards of student fees. Student Life also offers mediation and ho'oponopono support for students.

Student Life has a volunteer program where HawCC students

can participate in service learning projects, support student events and activities, or provide community service. By registering for Student Life, accumulative time spent in volunteerism or service can be documented and given to each registered student upon their request each semester.

The Student Life Center runs Kahua Ola (the Student Lounge). Hours are 8:30am - 4:00pm, Monday through Friday. Students are welcome to come in and relax between classes. There is a big screen T.V. with a large collection of donated videotapes and DVDs for viewing. Free refreshments (coffee, tea, cocoa, snacks) are provided by ASUH-HawCC through student fees. A microwave oven and refrigerator are available for student use. Cubicles, tables, and seating are provided for socialization, studying, and eating areas.

Every Registered Independent Student Organization (RISO) or student club is overseen by Student Life. Any interested student, or group of students, may request an application to start a new RISO. Help will be provided through the Student Life faculty and staff. Kahua Ola is available for RISO meetings and educational partnering with community programs. Reservation forms are available through the Student Life faculty and staff.

International Students
Counseling and Support Services Center
Bldg. 379, Manono campus
Christine Quintana, Counselor
Ph: (808) 974-7710

HawCC welcomes international students. Students from other countries are offered services by the Office of Student Services (OSS). Information and assistance is provided regarding College regulations, immigration requirements, financial matters, and personal concerns.

In order to avoid difficulty in handling course work because of language barriers, all students are required to take placement tests. Based on the writing test, students may be declared exempt from English as a Second Language (ESL) courses or they may be required to take developmental English classes. Intermediate and advanced ESL courses do not carry credit towards a bachelor's degree.

STAR Advising Tool

STAR is an online information and advising tool that enables students to view: grades, transfer credits, financial aid status, academic holds, etc. Currently there are four tabs available to assist students with their academic voyage at Hawai'i Community College: Academic Journey, Print Reports, Advising Information, and What If Journey.

Access to STAR is available through the MyUH Portal at <http://myuhportal.hawaii.edu>

Information contained in STAR is intended for reference and advising purposes only. It is not recommended that you make decisions based on reports available in STAR. For more information contact the Counseling Center at (808) 974-7741.

Transferring from HawCC to Another Community College in the UH System

The student should determine if the program he/she wishes to pursue is offered by that community college. If it is, the next step would be to complete the UH System Application and submit it by that campus' application deadline. Because each institution has different procedures, students should contact the other campus to verify how and when to request a transfer credit evaluation of courses taken at HawCC. Students wishing to apply for financial aid should contact that campus' Financial Aid Office to obtain any supplemental forms needed besides the Free Application for Federal Student Aid (FAFSA).

Transferring from HawCC to a Baccalaureate Program within the UH System

A HawCC student can transfer to UH Mānoa, UH Hilo, or UH West O'ahu to pursue a bachelor's degree. A student interested in transferring to one of these campuses should refer to that institution's college catalog or website to check on the requirements for transfer students.

In general, a student will need at least 24 transfer level college credits and have at least a 2.0 GPA (resident) or 2.5 GPA (non-resident). Some majors will require a higher GPA. The GPA is used for admissions purposes, but is not transferable.

If a student has less than 24 transfer level credits, the high school record will be used for determining admission. This will include the high school GPA, SAT or ACT scores, and college prep courses taken.

A student who has earned an articulated Associated in Arts (A.A.) degree from a UH Community College shall be accepted as having fulfilled the general education core requirements at all other UH campuses. However, in addition, a student must also complete any specialized lower-division, major, college and degree/graduation requirements, such as writing-intensive or foreign language requirements. Some of these additional requirements may be completed within the AA degree.

It behooves a student to have an academic plan, which anticipates transferring to a specific campus. A student planning to transfer either before or after completing the AA degree is advised to see a HawCC counselor for assistance in selecting AA degree courses, which also will meet requirements of the campus and the program to which the student will be transferring.

The student must submit a UH System Application by the deadline and also request an official copy of his/her HawCC transcript to be submitted with their application and another transcript to be sent *when the final grades are entered* and *after the degree is conferred*. The latter should be requested if applicable.

Transferring from HawCC to a non-UH Campus

A HawCC student who plans to transfer to another campus should obtain information regarding the following: majors offered, cost (including transportation), financial assistance available, size (student population and physical layout), housing, student services, academic support programs, extra-curricular activities, climate, urban/rural/suburban setting, and requirements for transfer students. This information is in the college catalog. Many colleges and universities now have their college catalog on the Internet.

A HawCC student who plans to transfer to a non-UH campus will need to obtain application information and the application forms, and request the necessary official transcripts from HawCC be sent to the campus to which the student will transfer. The student should also obtain any supplemental financial aid forms aside from the FAFSA if he/she plans to apply for financial aid.

If the student knows what courses are required at his/her next campus and knows what HawCC courses are considered equivalent by that campus, the student can select courses at HawCC, which would transfer and meet those requirements.



General Policies

Educational Rights and Privacy of Students

**Family Policy Compliance Office
U.S. Department of Education
600 Independence Avenue, SW
Washington, DC 20202-4605**

Pursuant to Section 99.6 of the rules and regulations governing the *Family Educational Rights and Privacy Act of 1974* (hereinafter the Act), students in attendance at HawCC, are hereby notified of the following:

1. It is the policy of HawCC to subscribe to the requirements of Section 438 of the General Education Provision Act, Title IV, of Public Law 90-247, as amended, and to the rules and regulations governing the Act, which protect the privacy rights of students.
2. The rights of students under the Act include the following, subject to conditions and limitations specified in the Act:
 - a. The right to inspect and review education records.
 - b. The right to request to amend education records.
 - c. The right to protection of disclosures by HawCC of personally identifiable information contained in education records without permission of the student involved.
 - d. The right to file complaints concerning alleged failure by HawCC to comply with the Act.
3. Students are advised that institutional policy and procedures required under the Act have been published as Administrative Procedure A7.022, Procedures Relating to Protection of the Educational Rights and Privacy of Students. Copies of AP A7.022 may be obtained from the Office of Dean of Student Services, HawCC.
4. Students are advised that certain personally identifiable information listed below is considered by the College to be Directory Information and, in response to public inquiry, may be disclosed in conformance with State law, at the College's discretion, without prior consent of the student unless the student otherwise so informs the College not to disclose such information.
 - a. name of student
 - b. local address and zip code
 - c. local telephone number
 - d. major field of study
 - e. educational level (e.g. freshman, sophomore, etc.)
 - f. fact of participation in officially recognized activities and sports
 - g. weight and height of members of athletic teams
 - h. dates of attendance
 - i. degrees and awards received
 - j. e-mail address

A student has the right to request that any or all of the above items not be designated Directory Information with respect

to that student. Should a student wish to exercise this right, he or she must notify the Records Office in person and in writing, no earlier than the first day of instruction nor later than fourteen calendar days from the first day of instruction for the academic term or semester (or the fourth day of a summer session).

5. A parent or spouse of a student is advised that information contained in educational records, except as may be determined to be Directory Information, will not be disclosed to him/her without the prior written consent of the son, daughter, or spouse.

Academic Freedom

The Agreement between the University of Hawai'i Professional Assembly and the Board of Regents of the University of Hawai'i states in Article IX A that "Faculty Members are entitled to freedom in the classroom in discussing subjects of expertise, in the conduct of research in their field of special competence, and in the publication of the results of their research." It also states in Article IV A that "Faculty Members are responsible for maintaining high professional standards of scholarship and instruction in their field of special competence. In giving instruction upon controversial matters, Faculty Members are expected to set forth justly and without suppression the differing opinions of other investigators, and in their conclusions provide factual or other scholarly sources for such conclusions. Faculty members should be careful not to introduce into their teaching controversial matters that have no relation to their subject." This Article also states that "When speaking and acting as citizens, Faculty Members shall take suitable precaution to assure that personal utterances or actions are not construed as representing the University."

The Hawai'i Community College Faculty and Instructional Staff Professional Standards and Ethics states that as facilitators of learning "We are role models for our learners, demonstrating standards of personal integrity, intellectual pursuit, effective communication, social interaction, and work ethics." As members of the community, "we have the rights and obligations of all citizens. When speaking or acting as a private citizen, we ensure it is clear that we are expressing a personal judgment."

Academic Grievances

A student who believes that a faculty member has failed to meet reasonable standards of academic propriety may register a grievance. The Student Academic Grievance Policy has been established to provide guidelines and processes governing academic grievances. The student should first attempt to resolve the grievance on an informal basis with the faculty member. Should the grievance not be resolved at this level the student should discuss it with the division chairperson. (Policy Haw 5.101)

Copies of the Student Academic Grievance Policy are available in the offices of the Vice Chancellor for Academic Affairs, Dean of Student Services, and Director of the UH Center at West Hawai'i. The policy is also available on the HawCC website at: <http://www.hawaii.hawaii.edu>

Student Conduct Regulations

Student Conduct Code: HawCC has a Student Conduct Code which defines expected conduct for students and specifies those acts subject to University sanctions.

Students should familiarize themselves with the Student Conduct Code, since upon enrollment at HawCC, the student has placed himself/herself under the policies and regulations of the University and its duly constituted bodies. The disciplinary authority is exercised through the Student Conduct Committee. The Committee has developed procedures for hearing allegations of misconduct. (Policy Haw 7.101)

Copies of the Student Conduct Code are available at the Office of the Dean of Student Services and Director of the UH Center at West Hawai'i. The policy is also available on the HawCC website at: <http://www.hawaii.hawaii.edu>

Academic Dishonesty: Academic dishonesty cannot be condoned by the College. Such dishonesty includes cheating and plagiarism (examples of which are given below) which violate the Student Conduct Code and may result in expulsion from the College.

Cheating includes, but is not limited to, giving or receiving unauthorized help during an examination, obtaining or distributing unauthorized information about an examination before it is administered, using inappropriate or unallowable 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 drylabbing, 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.

Financial Obligations to the Hawai'i Community College and the University of Hawai'i System: Students who have not taken care of their financial obligations (such as tuition and fees, traffic violations, parking tickets, unreturned library books, library fines, other fines, locker fees, laboratory breakage charges, transcript fees, loans past due, rental payments, etc.) may be denied grades, transcripts, diplomas, and registration.

A copy of the "Rules and Regulations Governing Delinquent Financial Obligations Owed the University of Hawai'i," promulgated by the Board of Regents, is on file in the Office of the Dean of Student Services.

Lethal Weapons: Firearms, spear guns, knives, and bows and arrows are prohibited on campus except with specific prior permission of the Chancellor of the campus.

Illicit Drugs and Alcohol: This Official Notice, by the University of Hawai'i Office of the President, is issued pursuant to the requirements of the federal Drug-Free Schools and Communities Act of 1989 and the Drug-Free Workplace Act of 1988.

In conformance with the existing law, HawCC faculty, staff and students are not permitted to manufacture, distribute, possess, use, dispense, or be under the influence of illegal drugs and/or alcohol as prohibited by State and Federal law, at College-sponsored or -approved events or on University of Hawai'i System property or in buildings used by the College for education, research or recreational programs. Consistent with its mission, the College will cooperate with law enforcement agencies responsible for enforcing laws related to the use of illegal drugs and alcohol. Students found in violation of this part shall be subject to the provisions of the Student Conduct Code. Faculty and staff found in violation of this part are subject to disciplinary action as provided in collective bargaining agreements, University policy, and other applicable State laws and rules.

HawCC recognizes that substance abuse is a complex problem that is not easily resolved solely by personal effort and may require professional assistance and/or treatment. Students, faculty, and staff members with substance abuse problems are encouraged to take advantage of available diagnostic, referral,

counseling, and prevention services. The College will not excuse misconduct by employees and students whose judgment is impaired due to substance abuse.

“The purchase, possession, or consumption of alcoholic beverages is regulated by state law. Students are expected to know and abide by state law and by University rules and regulations governing the use and consumption of alcoholic beverages on campus. Students are referred to Board of Regents policy, executive policies and campus guidelines regulating the use and consumption of alcoholic beverages on campus.

Students are not permitted to be under the influence of, possess, manufacture, distribute, or sell illicit drugs, as prohibited by state law, at University-sponsored or approved events, on University property or in buildings used by the University for its educational or recreational programs. Reasonable suspicion of possession or use of illegal drugs and substances on campus may subject the students involved to investigation.”

Sanctions which may be imposed on violators of the alcohol and drug related sections of the Student Conduct Code include disciplinary warning, probation, suspension, expulsion or rescission of grades or degree. Copies of the full text of the Code are available in the Office of the Dean of Student Services.

Campus-sponsored activities on campus that involve either the serving or selling of alcoholic beverages must be in compliance with applicable College/University policies and State law.

Copies of policies governing the possession, consumption, serving, and sale of alcoholic beverages on the HawCC campus are available in the Office of the Dean of Student Services.

Smoking: Effective January 2003, the University of Hawai‘i system implemented a new Tobacco Products policy in an effort to improve the working and learning environment of the university, and protect faculty, staff, students, and visitors from secondhand smoke exposure while on University of Hawai‘i campuses.

According to the policy, smoking is prohibited in the following areas:

- a. All interior space owned, rented, or leased by the university;
- b. In building courtyards, breezeways, and terraces, on exterior stairways and access ramps, and outdoor dining patios, terraces, and lanais;
- c. Within 20 feet of building entrances, exits, air intake ducts, vents, and windows of buildings that are not air-conditioned;
- d. Within 50 feet of designated pick-up and drop-off points for campus and public bus transportation;
- e. Within the gates of the university’s outdoor sports and performing arts stadiums and arenas, including walkways, corridors, and seating areas; and
- f. Any area that has been designated by the person having control of the area as a non-smoking area and marked with a no smoking sign.

In addition,

- All university residences will become smoke-free by the start of the 2004-2005 academic year.
- All advertising and sales of tobacco products on university campuses are prohibited (except for the sale or free distribution of non-university supported magazines and newspapers that incidentally contain tobacco product advertising).
- The distribution of samples of tobacco products or coupons redeemable for tobacco products on university campuses is prohibited.
- The sponsorship of campus events or campus organizations by tobacco industry or tobacco promoting organizations is prohibited.
- On-site tobacco product cessation guidance will be made available to assist and encourage individuals who wish to quit. Supervisors may authorize employees who wish to avail themselves of such on-campus programs to do so without any loss in pay.

This policy applies to the entire university community, including faculty, staff, students, and visitors. The Office of the Vice President for Administration and Chief Financial Officer is responsible for policy implementation and compliance in collaboration with heads of all UH campuses. Questions, comments, or complaints relating to this policy should contact the Chancellor of the College. Detailed information is available at: <http://www.hawaii.edu/smokingpolicy/policysummary.html>

Sexual Assault: As required by the Higher Education Amendments of 1992, the College has a Sexual Assault Policy which explains the College’s Sexual Assault Prevention Program presented to promote awareness of rape, acquaintance rape and other sex offenses, and the procedures for reporting offenses. A copy of the Sexual Assault Policy and the procedure for the Sexual Assault Prevention Program can be obtained from the HawCC Student Services Office, Bldg. 379, Manono Campus, or the Director of the UH Center at West Hawai‘i. (Policy Haw 1.301)

Policy on Sexual Harassment

Mari Chang, EEO/AA Coordinator
Hawai'i Community College
200 W. Kāwili Street
Hilo, HI 96720-4091
Ph: (808) 974-7436

It is the policy of the University of Hawai'i/Hawai'i Community College to provide a safe and comfortable learning and working environment for students and employees. Sexual harassment is a form discrimination that can undermine the foundation of trust and mutual respect that must prevail if the University is to fulfill its educational mission. Sexual harassment will not be tolerated in any part of the University's programs and activities. Sanctions will be imposed on members of the University community who violate this policy. Disciplinary actions against employees will be subject to the collective bargaining agreements. For more information please contact the Office of the Dean of Student Services or the EEO/AA Coordinator. (See Policy on Sexual Harassment and Related Conduct E1.203)

Non-Discrimination, Equal Opportunity/ Affirmative Action

Mary Perreira (EEO/AA)
Community Colleges
2327 Dole Street
Honolulu, HI 96822
Ph: (808) 956-4650 [V/T]

EEO/AA Coordinator: Mari Chang
Personnel Officer
200 W. Kāwili Street
Hilo, HI 96720-4091
Ph: (808) 974-7436

Title IX and Section 504 Coordinator: Barbara Arthurs
Dean of Student Services
Hawai'i Community College
200 W. Kāwili Street
Hilo, HI 96720-4091
Ph: (808) 974-7658

The University of Hawai'i is an equal opportunity/affirmative action institution and is committed to a policy of nondiscrimination on the basis of race, sex, age, religion, color, national origin, ancestry, disability, marital status, arrest and court record, sexual orientation, or status as a covered veteran. This policy covers academic considerations such as admission and access to, and participation and treatment in, the University's programs, activities, and services. With regard to employment, the University is committed to equal opportunity in all personnel actions such as recruitment, hiring, promotion, and compensation. Sexual harassment is expressly prohibited under University policy.

The University strives to promote full realization of equal

opportunity through a positive, continuing affirmative action program in compliance with federal Executive Order 11245. The program includes measuring performance against specific annual hiring goals, monitoring progress, and reporting on good faith efforts and results in annual affirmative action plan reports. As a government contractor, the University is committed to an affirmative policy of hiring and advancing in employment qualified persons with disabilities and covered veterans.

It is the policy of the University of Hawai'i System to comply with Federal and State laws which prohibit discrimination in University programs and activities, including, but not necessarily limited to, the following laws which cover students and applicants for admission to the University: Title VI of the Civil Rights Act of 1964 as amended (race, color, national origin); Age Discrimination Act of 1975 (age); Titles VII and VIII of the Public Health Service Act as amended (sex); Title IX of the Education Amendments of 1972 (sex, blindness, severely impaired vision); Section 504 of the Rehabilitation Act of 1973 (disability); and to comply with Federal and State laws which mandate affirmative action and/or prohibit discrimination in employment (including, but not limited to, hiring, firing, upgrading), salaries, benefits, training, and other terms, conditions, and privileges of employment: Title VII of the Civil Rights Act of 1964 as amended (race, color, national origin, religion, sex, pregnancy); Executive Order 11246 as amended (race, color, national origin, religion, sex); Equal Pay Act of 1963 as amended by Title IX of the Education Amendments of 1972 (sex); Age Discrimination in Employment Act of 1967 (ages 40-70); Section 402 of the Vietnam Era Veteran's Readjustment Assistance Act of 1974 (veteran's status); Section 503 and 504 of the Rehabilitation Act of 1973 (disability); Hawai'i Revised Statutes, Chapters 76, 78, 378 (race, sex, sexual orientation, age, religion, color, ancestry, political affiliation, disability, marital status, arrest and court record). The UH Community Colleges strive to promote full realization of equal opportunity through a positive, continuing program including Titles I-IV of the Americans with Disabilities Act (ADA) P.L. 101-336. Accordingly, vocational education opportunities will be offered without regard to race, color, national origin, sex, or disability. American citizens or immigrants with limited English proficiency will not be denied admission to vocational education programs.

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

As an integral part of its Policy on Nondiscrimination and Affirmative Action, the Office of the President, University of Hawai'i, hereby declares and reaffirms its commitment to the College's pursuit of equal education and employment opportunity and further declares that any harassment of students or employees on the basis of sex is prohibited and will not be tolerated. Complaints of this nature will be handled by the Hawai'i Community College EEO/AA Coordinator.

Individuals designated to coordinate the University of Hawai'i Community Colleges' nondiscrimination and affirmative action programs are listed above.

Discrimination Complaints

Students, employees, or applicants for admission or employment who believe that they have been discriminated against on the basis of race, sex, age, religion, color, ancestry, marital status, sexual orientation, national origin, disability, veteran's status, or arrest and court record may file a complaint with the EEO/AA Coordinator. The EEO/AA Coordinator will explain the available avenues of recourse and direct the person to the appropriate person or office.

The process of addressing allegations of discrimination are described in the CCCM No. 2210 UH Community College Procedure and Guidelines, Relating to Complaints of Discrimination and in campus Section 504/ADA Grievance Procedure.

Students may also file complaints of discrimination with the Office of Civil Rights, 915 Second Ave., Room 3310, Seattle, WA 98174-1099, ph: (206) 220-7920 or FAX: (206) 220-7887.

The process of addressing allegations of misconduct is described in the procedures for Handling Impermissible Behavior and the Academic Grievance Procedures. Copies are available at the HawCC Student Services Office and at the UH Center at West Hawai'i.

Electronic Communication Policy

The College has the right to send communications to students via email and to expect that those communications will be received and read in a timely fashion. The College is responsible of ensuring that such communications are timely, accurate, and appropriate. Students must establish a UH Username when admitted to the College. Students are responsible for frequently checking their email accounts and managing their mailboxes so that mail can be delivered. Students may redirect their mail at their own risk. Students with disabilities have the right to receive communications in an accessible format. (E2.213)

Safe Zone Program

The University of Hawai'i is committed to a policy of non-discrimination on the basis of race, sex, age, religion, color, nation origin, ancestry, disability, marital status, arrest and court record, sexual orientation, and veteran status in all of its programs, policies, procedures or practices. This policy covers admission and access to, participation, treatment and employment in University programs and activities. The UH Safe Zone Symbol is meant to convey a positive message to the entire University of Hawai'i community—particularly to lesbian, gay, bisexual and transgendered people. The intended message of the symbol is that the person displaying it on a sticker, poster or button will be non-judgmental, understanding and trustworthy should you need help, advice, or just someone to talk story with. This symbol identifies places or persons who are understanding and supportive at UH. Anyone seeing this symbol should know that—whatever the attitudes towards lesbian, gay, bisexual and transgendered people and their allies on campus—here, at least, is a "Safe Zone." This campaign is an extension of the University's commitment to providing a safe and supportive environment for all students, faculty and staff.



Crime Statistics	<u>2004</u>	<u>2005</u>	<u>2006</u>
Aggravated Assault	1	0	1
Arson	0	0	0
Auto Theft	0	0	0
Burglary	0	1	1
Drug Abuse: Arrests (Violations)	0(0)	0(0)	0(0)
Liquor Law: Arrests (Violations)	0(0)	0(0)	0(0)
Murder/Manslaughter	0	0	0
Robbery	0	0	0
Sexual Assault	0	0	0
Weapons Law: Arrests (Violations)	0(0)	0(0)	0(0)

Financial Aid

Sheryl Lundberg-Sprague, Financial Aid Officer
Office of Financial Aid
Hawai'i Community College
200 W. Kāwili Street
Hilo, HI 96720-4091
Ph: (808) 974-7663

The Hawai'i Community College Financial Aid Office administers a variety of federal, state, and institutional financial aid programs. These financial aid programs are intended to assist students and their families pay for educational costs. Students may apply for financial aid at HawCC. Peer Advisors are available to assist with completing the Free Application for Federal Student Aid (FAFSA) and renewal FAFSA. Please call 974-7663 for an appointment.

An academic year is defined as 24 credits and 30 weeks of instruction.

Eligibility: The majority of aid awarded by HawCC is federal and based on demonstrated financial need. Eligibility requirements are determined by federal rules and include the following:

Applicant must

- be a U.S. citizen or an eligible non-citizen
- be enrolled in an eligible certificate or degree program (classified student)
- be making satisfactory academic progress toward a certificate or degree
- not be in default on a loan or owe repayment on a federal grant
- have demonstrated financial need
- have obtained a high school diploma, GED, or have passed a federally approved test
- be registered with Selective Service, if required.

Selective Service Registration and Financial Student Aid: Military Selective Service Act (P.L. 97-252) requires that beginning July 1, 1983, any student who is required to register with the Selective Service and fails to do so shall be ineligible to receive Federal Title IV student financial aid including:

- Academic Competitiveness Grant
- Pell Grant
- Supplemental Educational Opportunity Grant (SEOG)
- Federal Work-Study
- Leveraging Education Assistance Program (LEAP)/ Hawai'i Student Incentive Grant (HSIG)
- Subsidized Federal Stafford Loan
- Unsubsidized Federal Stafford Loan, and
- Federal Parent Loan for Undergraduate Students.

This requirement affects all male students who are at least eighteen years of age, who were born after December 31, 1959,

and who are not currently on active duty with the armed forces (this exemption does not apply to members of the Reserves and National Guard who are not on active duty). The group of affected males includes citizens and noncitizens eligible for Federal financial aid except citizens of the Republic of Palau, the Republic of the Marshall Islands, or the Federated States of Micronesia. A citizen or national of the Republic of the Marshall Islands or the Federated States of Micronesia who lives in the United States for more than one year for any reason except as a student or employee of the government of his homeland must register.

For further information, contact the HawCC Financial Aid Office or visit the Selective Service System web site at: <http://www.sss.gov/regist.htm>

Application Procedures: Students are required to file the Free Application for Federal Student Aid (FAFSA) with the Federal Processor and submit supporting documents as required by the HawCC Financial Aid Office in order to ascertain eligibility for Federal student aid. Students must apply and qualify annually on the basis of demonstrated financial need. The application priority date is April 1 each year (for aid the following academic year). Applications will be accepted on a first-in, first-served, funds-available basis. Application instructions and forms are available at the Financial Aid Office and online at: <http://www.hawaii.hawaii.edu/financialaid/index.html>

Awards: Completed applications (including all required supporting documents) are generally processed within one month. Students eligible for financial aid will be notified by mail of the type and amount of the award as soon as possible after the College has received its state and federal allocations of financial aid funds. Normally, financial aid funds are disbursed once per semester. Please contact the Financial Aid Office for exact dates.

Satisfactory Academic Progress Policy for Financial Aid

All students must demonstrate satisfactory academic progress towards completion of their academic program in order to receive financial aid. The HawCC Financial Aid Satisfactory Academic Progress Policy is available at the Financial Aid Office and on the Financial Aid web site:

<http://www.hawaii.hawaii.edu/financialaid/FinancialAidPolicies.html>

Satisfactory academic progress is checked twice a year after the publication of grades.

Grade Point Average: In general a student must maintain a 2.0 cumulative GPA in order to maintain satisfactory academic progress.

Minimum Standards for Academic Progress: All Financial Aid recipients must:

1. be enrolled as a classified student in an eligible degree or certificate program of study that is at least 16 credits and 15 weeks in length
2. maintain a cumulative grade point average (GPA) of at least 2.0 (credits and grades excluded under the Amnesty Policy [pending approval] will be included in the calculation of the financial aid GPA)
3. successfully complete (pass) at least 67% of all credits attempted

Time Frame of Aid Eligibility: Students will be allowed 150% of the number of credits required for the completion of their certificate or degree (the calculation will be rounded down to the nearest whole number of credits).

A student is allowed thirty (30) remedial credits that are not counted toward the time frame. Remedial credits are program specific (e.g. ENG 21 is a remedial course for the LBART AA but it is not a remedial course for AG AAS). ESL courses do not count against the thirty (30) credit limits.

Financial Aid Probation: Students who have attempted less than 25 credits and who do not meet the credit completion requirement and/or the cumulative GPA requirement, will be placed on Financial Aid probation if they meet the following conditions:

- have a credit completion rate of at least 50% but less 67%
- have a cumulative GPA of at least 1.0 but less than 2.0

Financial Aid Suspension: Students will have their Financial Aid suspended and will not be eligible for Financial Aid in subsequent semesters in the following cases:

- Students who have a credit completion rate of less than 50%
- Students who have a cumulative GPA of less than 1.0
- Students who have attempted twenty-five (25) or more credits who have a cumulative GPA of less than 2.0 and/or a credit completion requirement of less than 67% of attempted coursework
- If at the end of the probationary period, a student has a cumulative GPA of less than 2.0 and/or a credit completion rate of less than 67% of attempted coursework.
- Student has exceeded the maximum timeframe for his/her degree or certificate.

Students will be notified in writing that they have been suspended. Students will remain suspended until they once again meet satisfactory progress standards. Students may regain eligibility through the normal application of the satisfactory progress calculation of their subsequent coursework, if the calculation restores them to “Good Standing” (cumulative GPA of at least 2.0 and a cumulative credit completion rate of at least 67%).

Reinstatement: To regain Financial Aid eligibility, a student must earn sufficient grades and/or complete the necessary credits to meet the qualitative (cumulative) GPA of at least 2.0 and a credit completion rate of at least 67%. Financial aid eligibility can not be reinstated for students who have exceeded the maximum timeframe for their degree or certificate.

Appeal of Financial Aid Suspension/Termination: The only basis for an appeal will be an extraordinary circumstance (e.g. accident, illness, death of an immediate family member, etc.). A student must complete and submit a HawCC Appeal of Satisfactory Academic Progress Policy form explaining in detail the specific reasons which contributed to the student’s lack of progress, documentation to substantiate the student’s statement, and an outline of what steps the student plans to take to ensure academic progress if the student is reinstated.

Students will be notified in writing of the decision.

Types of Financial Aid

Note that the financial aid programs are subject to change and additional criteria may apply.

Federal Government Grants

Academic Competitiveness Grant: A Federal grant for students who are receiving a Pell Grant and have completed a rigorous high school program of study. Requires full-time enrollment. It does not need to be paid back. An Official high school transcript must be submitted to HawCC Financial Aid Office.

Federal Pell Grant: A Federal grant for a student who has not received a bachelor’s degree. It does not need to be paid back. The award amount is based on the student’s enrollment level and his or her Expected Family Contribution (EFC).

Federal Supplemental Educational Opportunity Grant (SEOG): This grant is for students with exceptional financial need and who are eligible for the Federal Pell Grant. It does not need to be paid back. Requires at least half-time enrollment.

Hawai‘i Student Incentive Grant (HSIG)/Leveraging Educational Assistance Program (LEAP): This is a federal program with matching state funds which waives only tuition (not fees). The student must be a Hawai‘i resident and eligible for the Federal Pell Grant. Requires at least half-time enrollment.

State Grant/Scholarship Programs

B+ Scholarship: The Hawaii State B+ Scholarship is based on merit and financial need. It is awarded to incoming freshmen from a Hawai‘i public high school. It may be renewed annually up to four years as long as the recipient maintains Satisfactory Academic Progress and continues to demonstrate financial need.

Hawai'i Community College Grants and Tuition Waivers (funded by HawCC)

Hawai'i Community College Opportunity Grant: A HawCC grant awarded based on financial need. Requires at least half-time enrollment.

HawCC Achievement Grant: This scholarship is awarded to students who have demonstrated achievement or service to the College (e.g. Student Government officers).

Native Hawaiian Tuition Waiver: A HawCC tuition waiver based on financial need and Hawaiian ancestry (approximately 12 waivers awarded per academic year). Tuition waiver applies only to HawCC credits.

Centennial Scholarship: A University of Hawai'i Scholarship, funded by HawCC, based on academic achievement. This scholarship is awarded to incoming freshman and can be renewed annually.

Student Employment

Federal and state funds are provided for the employment of students who are enrolled at least half-time in a program of study leading to a degree or certificate and who are in good academic standing at HawCC.

Work hours will not exceed 20 hours per week during the academic year when classes are in session. Hourly wages are related to the type of work, required proficiency, and are based on current state/federal minimum wage laws and regulations.

For more information, or to view job vacancies, please go to the Student Employment web site:

<http://www.hawaii.hawaii.edu/financialaid/StudentEmployment.html>

Federal Work Study

The Federal Work Study (FWS) program provides funds for part-time on-campus job opportunities to help students earn money to pay for school costs while gaining valuable work experience. Campus employment is flexible and convenient. FWS is not pre-awarded. A student who is eligible to receive federal Financial Aid and who has remaining need on their HawCC Award Letter is eligible to apply for any FWS position. An individual student's award is based upon his or her individual need and the availability of funds. Requires at least half-time enrollment.

State Funded Employment: Student employment positions funded by general, special, Bridge to Hope, and other funds are also available.

Federal Loans

Federal Family Education Loan Program (FFELP) are loans from private lenders such as banks and credit unions and guaranteed by the federal government. There are three types:

Subsidized Federal Stafford Loan: A loan which must be repaid and is based on demonstrated financial need. The interest rate for new loans (first disbursed on or after July 1, 2006) is fixed. Repayment begins 6 months after a student ceases to be enrolled at least half-time. Requires at least half-time enrollment to apply.

Unsubsidized Federal Stafford Loan: A non-need based loan that must be repaid. The interest rate for new loans (first disbursed on or after July 1, 2006) is fixed. Interest begins accruing upon disbursement of loan funds. Repayment begins 6 months after a student ceases to be enrolled at least half-time. Requires at least half-time enrollment to apply.

Federal Parent Loan for Undergraduate Students

(FPLUS): A loan which must be repaid by parents. This loan is for parents of dependent students who want to borrow to help pay for their child's college cost. Parents of dependent students may borrow up to the calculated Cost of Attendance (COA), minus other student aid, for their child. The interest rate for new loans (first disbursed on or after July 1, 2006) is fixed. Interest begins accruing upon disbursement of the funds. Parents borrow through a commercial lender. Repayment begins 60 days after disbursement of funds. Requires at least half-time enrollment.

Loan Grade Levels

First Year:	Earned 0 to 24 credits
Second Year:	Earned 25 or more credits

Refunds/Repayments

The HawCC Census Date is the end of the Erase Period (drop without a "W"). All student budgets and awards will be adjusted to reflect the actual enrollment as of the Census Date. Based on this revision, a student may be entitled to additional funds or owe a repayment of part or all of his/her award(s). Students must begin attendance to be eligible for any federal funding for each course.

Official and Unofficial Complete Withdrawal: The Official Withdrawal Process begins when the student submits the withdrawal form to the Financial Aid Office for signature. All refunds and repayment amounts will be rounded to the nearest cent.

The Financial Aid office will perform a refund/repayment calculation, as specified by Federal regulations, for all students

who are Title IV eligible and completely withdraw either officially or unofficially (student stops attending but does not officially withdraw).

Based on the federal calculation, a student who withdraws may be eligible for a post-withdrawal disbursement.

In cases in which the federal calculation requires funds to be returned, the school will reimburse the Title IV programs. As a result, any tuition refunds due to the student will first be returned to reimburse the Title IV programs.

Students will be billed for any unpaid institutional charges that result from the return of funds to the Title IV programs.

In addition, the student may be required to directly repay a portion of the Title IV funds that were received.

The Refund/Repayment Policy is available at the Financial Aid Office or on the financial aid web site:

<http://www.hawaii.hawaii.edu/financialaid/FinancialAidPolicies.html>

Students are encouraged to contact the Financial Aid Office at (808) 974-7663 prior to dropping credits or withdrawing.

**Endowed and Other Scholarships
(Privately Sponsored)
Office of the Dean of Student Services
200 W. Kāwili Street
Hilo, HI 96720-4091
Ph: (808) 974-7657**

Hawai'i Community College offers a number of scholarships to incoming and currently enrolled students each year. The scholarship funds come from various sources such as private donors, foundations, professional associations, and state and local business firms. These scholarships may be awarded based on academic achievement, financial need, or both.

Internal Scholarships are awarded through the Financial Aid Office. Some Endowed and other Privately Sponsored are administered by, or in conjunction with, various components of the University of Hawai'i. Information on endowed and other scholarships that are privately sponsored may be obtained by contacting the address above.

External Scholarships are awarded by individuals, companies, or organizations outside of the College. Some external scholarships include, Hawai'i Community Foundation, Ke Ali'i Pauahi Foundation/Kamehameha Schools Bishop Estate. Scholarships do not require repayment.

Scholarship information, as well as support for applying for scholarships, is available from the Counseling and Support Services Office.

Information and links to a variety of scholarships and scholarship search engines can be found on the financial aid scholarship web site:

<http://www.hawaii.hawaii.edu/financialaid/ApplyScholarships.html>



HawCC Degrees & Certificates

To earn a Certificate of Completion, Certificate of Achievement, an Associate in Science degree, an Associate in Applied Science degree, or an Associate in Arts degree, the curricular requirements of a given program must be met.

	CoC	CC	CA	AAS	AS	AA
Accounting (ACC).....	-	-	✓	✓	-	-
Administration of Justice (AJ).....	-	-	-	-	✓	-
Agriculture (AG)	-	-	✓	✓	-	-
Farm Worker (AG-FMWK)	-	✓	-	-	-	-
Landscape Worker (AG-LSWK)	-	✓	-	-	-	-
Architectural, Engineering and CAD Technologies (AEC)	-	-	-	✓	-	-
Auto Body Repair and Painting (ABRP)	-	-	✓	✓	-	-
Automotive Refinish	-	✓	-	-	-	-
Basic Auto Body Repair	-	✓	-	-	-	-
Automotive Mechanics Technology (AMT)	-	-	✓	✓	-	-
Business Technology (BTEC).....	-	✓	✓	✓	-	-
Carpentry (CARP)	-	-	✓	✓	-	-
Culinary Arts (CULN) [Formerly Food Service (FSER)].....	-	✓	✓	✓	-	-
Diesel Mechanics (DISL).....	-	-	✓	✓	-	-
Digital Media Arts (DMA)	-	✓	-	-	-	-
Early Childhood Education (ECED).....	-	✓	✓	-	✓	-
Electrical Installation and Maintenance Technology (EIMT).....	-	-	✓	✓	-	-
Electronics Technology (ET).....	-	-	-	✓	-	-
Optics Technology.....	✓	-	-	-	-	-
Network Technology.....	-	✓	-	-	-	-
Food Service (FSER) [see Culinary Arts (CULN)]						
Hawaiian Life Styles (HLS)						
Hula Track (HLS-HULA).....	-	-	-	✓	-	-
Lawai'a Track (HLS-LAWA).....	-	-	-	✓	-	-
Mahi'ai Track (HLS-MAHI)	-	-	-	✓	-	-
Hospitality and Tourism (HOST)	-	✓	✓	✓	-	-
Human Services (HSER).....	-	✓	-	-	-	-
Information Technology (IT).....	-	-	✓	-	✓	-
Liberal Arts (LBRT).....	-	-	-	-	-	✓
Machine, Welding and Industrial Mechanics Technologies (MWIM)						
Machine Technology Option (MWIM-WEL)	-	✓	✓	✓	-	-
Welding and Sheet Metal Option (MWIM-MST)	-	✓	✓	✓	-	-
Marketing (MKT).....	-	-	✓	✓	-	-
Nursing						
Associate of Science Degree (NURS)	-	-	-	-	✓	-
Care Home Operator (CHO)	-	✓	-	-	-	-
Medical Office Assistant	-	✓	-	-	-	-
Practical Nursing (PRCN)	-	-	✓	-	-	-
Substance Abuse Counseling (SUBS)	-	✓	-	-	-	-
Tropical Forest Ecosystem and Agroforestry Management (TEAM)	-	-	✓	-	✓	-

Academic Subject Certificates

To earn the Academic Subject Certificate (A.S.C.) a sequence of courses must be completed as specifically defined for each certificate. A student may receive an A.S.C. without completing the A.A. degree but must have the appropriate Grade Point Average for all courses required.

- Environmental Studies Academic Subject Certificate (ASC-ENVS)
- Hawaiian Life Styles Academic Subject Certificate (ASC-HLS)

Curricula and Programs

General and pre-professional students may earn the Associate in Arts (A.A.) degree. Vocational-technical majors may earn an Associate in Science (A.S.), Associate in Applied Science (A.A.S.), or Associate in Technical Studies (A.T.S.) degree, a Certificate of Achievement (C.A.), or a Certificate of Completion (C.C.) in one of the 23 vocational programs.

Associate in Arts (A.A.) Degree

A two-year Baccalaureate direct transfer liberal arts degree consisting of at least 60 semester credits at the 100 and 200 levels. The Associate in Arts degree Program, also referred to as the Liberal Arts (LBRT) Program, is designed for students who are preparing themselves to transfer to a four-year college or university.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Think and act with intellectual insight and integrity. Gather, analyze, and evaluate information. Pose questions, synthesize ideas, solve problems, and reach logical conclusions. Create new ideas and works that express individuality.
- Discover, construct and communicate meaning through observing, listening, speaking, reading, writing, and interacting.
- Apply mathematical reasoning and scientific methods to solve problems.
- Evaluate historical perspectives to inform present thought and influence future action.
- Use information ideas, and methods from diverse disciplines to enhance intellectual, aesthetic, professional, and community life.
- Engage persons across the whole community in working collaboratively to advance shared goals.
- Make informed and principled decisions with respect to individual conduct, the community, and the environment. Respect, promote and support Hawaiian and Local cultures and social diversity.
- Demonstrate commitment to social and natural systems in ways that honor and sustain the integrity of life.

To earn the Associate in Arts Degree at HawCC, also referred to as the Liberal Arts Program (LBRT), a student must meet the following requirements:

1. Credits Required: A total of 60 credits earned at or transferred to HawCC in 100-200 level courses
2. A minimum of 15 credits must be completed at HawCC
3. Minimum GPA Required: A minimum cumulative GPA of 2.0 is required for graduation
4. CR/NC option may be used to satisfy area and general elective requirements (Policy Haw 5.503)

Core Requirements (18 credits)

Communication (9 credits):

- Eng 102 (Reading), 100 (Writing)
- SpCo 151 or 251†

Logical Reasoning (3 credits):

- Math 100 or higher or Phil 110

World Civilization (6 credits):

- Hist 151† or 153†; and Hist 152† or 154†

Writing Intensive:

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

Area Requirements (31 credits)

Humanities: Nine (9) credits total from the following groups:

Asian/Pacific Culture (3 credits):

- Art 227
- Asan 120†, 121†, 122†
- Eng 257A
- Hist 123, 153†, 154†, 241, 242, 284, 288
- HwSt 107, 107A, 107B, 123, 124, 125, 126, 128, 129, 130, 131, 141† (see HSer/Subs 141), 160, 161, 205, 221, 224, 231, 232, 235, 241, 242, 250, 251, 260, 261, 270
- Phil 102
- Rel 152

Humanities (3 credits):

- Art 101, 105B, 105C, 107, 107D, 108, 111, 112, 113, 114, 115, 123, 125, 126, 202, 207, 209, 212, 214, 217, 225, 246, 248, 269C, 294
- Dnce 153, 185, 190V, 256† (see Ed 256), 285, 290V
- Ed 256† (see Dnce 256)
- Eng 103, 105, 204, 205†, (see Jour 205), 215, 255, 256, 257E
- Haw 101, 102, 103, 201, 202
- Hist 151†, 152†, 274, 281, 282
- Hum 100, 160† (see SSci 160), 275† (see Psy 275)
- Jour 205† (see Eng 205)
- Jpns 101, 102
- Ling 102, 121† (see Anth 121), 235† (see Anth 235)
- Phil 100, 101, 120, 211, 213, 255
- Rel 150, 151, 153
- SpCo 231, 251†

AND three (3) credits from any other course listed in either Asian/Pacific or Humanities.

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

Natural Science: Ten (10) credits: nine (9) credits with one course from each of Groups 1 and 2. One of these courses must be accompanied by a one (1) credit *Natural Science* lab course.

Group 1: *Biological Sciences*

- Ag 200
- Biol 100/L, 101/L, 141/L, 142/L, 156/L, 171/L, 172/L
- Bot 101/L, 105, 130/L
- Micr 130/L
- Zool 101/L

Group 2: *Physical Sciences*

- Astr 110, 281
- BioC 241
- Chem 100/L, 151/L
- Geog 101/L
- GG 101/L
- Phys 100/L

Group 3: *Other Sciences*

- Geog 122, 170/L, 180/L
- Ocn 201
- Phrm 203
- Sci 124/L

Social Sciences: Twelve (12) credits from at least three different alphas:

- AJ 101, 210, 256† (see HSer/WS 256), 280
- Anth 121† (see Ling 121), 150, 200, 235† (see Ling 235)
- Asan 120†, 121†, 122†
- Econ 120, 130, 131
- Ed 105, 131
- FamR 230
- Geog 102
- HSer 110, 140, 141† (see HwSt/Subs 141), 248† (see Subs 248), 256† (see AJ/WS 256)
- PolS 110
- Psy 100, 170, 214, 230, 270, 275† (see Hum 275)
- Soc 100, 208, 218, 251, 265, 289, 290
- SpCo 260
- SSci 150, 160† (see Hum 160), 250
- Subs 141† (see HSer/HwSt 141), 248† (see HSer 248), 268
- WS 151, 256† (see AJ/HSer 256)

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

Electives (11 credits)

Any other courses offered at HawCC that are 100-200 level can be used as electives.

NOTE: Students may not use “199 or higher” courses to meet area requirements unless prior permission is given by the advisor and the Vice Chancellor for Academic Affairs.

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

Writing Intensive Courses

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

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

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

A two-year Technical-Occupational-Professional degree, consisting of at least 60 semester credits, which provides students with skills and competencies for gainful employment. This degree is not intended nor designed for transfer directly into a Baccalaureate program. A.A.S. programs may, however, include some Baccalaureate level course offerings.

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

1. Satisfactorily complete the program of courses prescribed for his/her major
2. Earn credits in prescribed communications and mathematics/thinking/reasoning courses
3. Earn nine (9) credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment
4. Earn a cumulative GPA of at least 2.0
5. If in Accounting or Electrical Installation Maintenance Technology or Business Technology, earn a “C” or better in prescribed major courses
6. All other majors not mentioned above, earn at least a 2.0 GPA in major courses
7. Earn his/her final 12 semester hours at HawCC

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Associate in Science Degree and Associate in Applied Science General Education Electives: The following courses may satisfy the A.S. and A.A.S. degree general education electives: Humanities/Cultural Environment, Natural Sciences/Natural Environment, Social Sciences/Social Environment. Check with a program advisor for program requirements. NOTE: Students should see their academic advisor for the most recent listing of courses used as general education electives.

Cultural Environment:

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

- Art 101, 105B, 105C, 107, 107D, 108, 111, 112, 113, 114, 115, 123, 125, 126, 202, 207, 211, 212, 214, 217, 223, 225, 227, 230, 239, 243, 244, 246, 248, 269C, 294
- Asan 120†, 121†, 122†
- Dnce 153, 185, 190V, 256†, 285, 290V
- Ed 256† (see Dnce 256)
- Eng 103, 105, 204, 205† (see Jour 205), 215, 255, 256, 257A, 257E
- Haw 101, 102, 103, 201, 202
- Hist 123, 151, 152, 153, 154, 241, 242, 274, 281, 282, 284, 288
- Hum 100, 160† (see SSci 160), 275†
- HwSt 107, 170A, 170B, 123, 124, 125, 126, 128, 129, 130, 131, 141† (see HSer/Subs 141), 160, 161, 205, 221, 224, 231, 232, 235, 236, 237, 241, 242, 250, 251, 260, 261, 268, 269, 270
- IS 55
- Jour 205† (see Eng 205)
- Jpns 101, 102, 121, 122
- Ling 102, 121†, 235† (see Anth 235)
- Phil 100, 101, 102, 120, 211, 213, 255
- Psy 275
- Rel 150, 151, 152, 153
- SpCo 231, 251

Natural Environment:

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

- Ag 54B, 122, 141, 175, 175L, 200, 250, 260¹
- Astr 110, 281
- BioC 241
- Biol 100, 100L, 101, 101L, 141, 141L, 142, 142L, 156, 156L, 171, 171L, 172, 172L
- Bot 101, 101L, 105, 130, 130L
- Chem 100, 100L, 151, 151L
- Culn 185¹
- FSHN 185
- Geog 101, 101L, 122, 170, 170L, 180, 180L
- GG 101, 101L
- Micr 130, 130L
- Ocn 201, 205
- Phrm 203
- Phys 25†, 50†, 55†, 56†, 100, 100L
- Sci 20†, 51†, 124, 124L
- Zool 101, 101L

Social Environment:

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

- Ag 157, 230
- AJ 101, 180, 210, 256† (see HSer/WS 256), 280, 290B¹, 290C¹, 290D¹
- Anth 121†, 150, 200, 235† (see Ling 235)
- Asan 120†, 121†, 122†
- Bus 71¹
- Econ 20¹, 50¹, 120, 130, 131
- Ed 105, 131
- FamR 230
- Geog 102
- HD 234
- HSer 110, 140, 141† (see HwSt/Subs 141), 248† (see Subs 248), 256† (see AJ/WS 256)
- HwSt 221†
- ICS 100
- IEdB 20¹
- Law 30¹
- Mgt 20¹, 124¹
- PolS 110
- Psy 100, 170, 214, 230, 270, 275†

(continued on next page)

- Soc 100, 208, 218, 251, 265, 289, 290
- SpCo 51¹, 151, 130¹, 260
- SSci 25¹, 45¹, 60¹, 111, 150, 160† (see Hum 160), 250
- Subs 141† (see HSer/HwSt 141), 248† (see HSer 248), 268, 270¹, 275¹, 280¹
- WS 151, 256† (see HSer/WS 256)

¹ Marked courses satisfy requirements for the A.A.S. degree and certificates only.

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

Associate in Science (A.S.) Degree

A two-year Technical-Occupational-Professional degree, consisting of at least 60 semester credits, which provides students with skills and competencies for gainful employment, entirely at the Baccalaureate level.

To earn the Associate in Science degree at HawCC, it is the responsibility of the student to meet the program requirements.

The requirements are:

1. Satisfactorily complete the program of courses prescribed for his/her major
2. Earn credits in prescribed mathematics, communications, and thinking/reasoning courses or pass proficiency examinations in these subjects
3. Earn nine (9) credits total by selecting one 3-credit general elective course from each of the three areas: Humanities, Natural Sciences, Social Sciences
4. Earn a cumulative GPA of at least 2.0
5. If in Administration of Justice, earn a “C” or better in prescribed major courses
6. If in Nursing, earn a “C” or better in prescribed courses
7. If in Information Technology, earn a “C” or better in all prescribed major ICS/ITS courses
8. All other majors not mentioned above, earn at least a 2.0 GPA in major courses
9. Earn his/her final 12 semester hours at HawCC

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

A two year Technical-Occupational-Professional degree, consisting of at least 60 semester credits, which provides students with skills and competencies for gainful employment. This degree must be customized by using courses from two or more existing approved programs and is intended to target emerging career areas which cross traditional boundaries. This degree must have educational objectives which are clearly defined and recognized by business, industry, and employers who have near-immediate needs for specialized training for a limited number of employees. This degree must have advanced approval and cannot be requested based upon previously completed coursework.

Certificate of Achievement (C.A.)

A college credential for students who have successfully completed designated medium-term vocational education *credit* course sequences which provide them with job upgrading or entry-level skills. These courses or course sequences may not exceed 45 credit hours (unless external requirements exceed this number) and may not be less than 24 credit hours. The issuance of a Certificate of Achievement requires that the student must earn a GPA of 2.0 or better for all courses required in the certificate. The final 12 semester hours of work must be completed at HawCC.

All students must have at least a 2.0 cumulative GPA. Furthermore, for a certificate in Practical Nursing, a “C” or better must be earned in all courses; while in Business Technology or Electrical Installation Maintenance Technology, a “C” or better must be earned in prescribed major courses.

Certificate of Completion (C.C.)

A college credential for students who have successfully completed designated short-term vocational education credit courses or vocational education course sequences which provide them with job upgrading or entry-level skills. These courses or course sequences may not exceed 23 credit hours and may not be less than 10 credit hours. The issuance of a Certificate of Completion requires that the student must earn a GPA of 2.0 or better for all courses required in the certificate.

All students must have at least a 2.0 cumulative GPA. Furthermore, for a certificate in Business Education, a “C” or better must be earned in prescribed major courses.

Academic Subject Certificate (A.S.C.)

A college credential for students who have successfully completed a specific sequence of credit courses selected from the A.A. curriculum. The sequence must fit within the structure of the A.A. degree, may not extend the credits required for the A.A. degree, and shall be at least 12 credit hours. The issuance of the Academic Subject Certificate requires that the student must earn a GPA of 2.0 or better for all courses required in the certificate.

Certificate of Competence (CoC)

A college credential for students who have successfully completed designated short-term credit or non-credit courses which provide them with job upgrading or entry-level skills. The issuance of a Certificate of Competence requires that the student’s work has been evaluated and determined to be satisfactory. Credit course sequences shall be at least 4 but less than 10 credit hours. In a credit course sequence the student must earn a GPA of 2.0 or better for all courses required in the certificate.

PROGRAM DESCRIPTIONS

Accounting (ACC)

Faculty: J. Onishi J. Peralto
B. Sanders

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

Program Requirements		CA	AAS
* Acc 20	Fundamentals of Accounting I	3	3
	or		
+ Ent 150	Basic Accounting for Entrepreneurs	(3)	(3)
* Acc 124	Principles of Accounting I	3	3
* Acc 150	Using Computers in Accounting	3	3
* Acc 155	Spreadsheets in Accounting	3	3
* Acc 193A	CVE/Internship/Practicum	2	2
Busn 89	Electronic Calculating	1	1
** Busn 189	Business Mathematics	3	3
Busn 121	Introduction to Word Processing	3	3
Busn 150	Intro to Business Computing	3	3
	or		
ICS 101	Digital Tools for the Information World	(4)	(4)
IS 55	In Focus: Template for Success	3	3
	or		
+ IS 155	Principles/Philosophy of Success	(3)	(3)
Phil 101	Intro to Philosophy: Morals & Society (meets Cultural Env. requirement)	3	3
* Acc 125	Principles of Accounting II	-	3
	or		
Acc 201	Elementary Accounting I	-	(3)
* Acc 126	Principles of Accounting III	-	3
	or		
Acc 202	Elementary Accounting II	-	(3)
* Acc 132	Payroll and HI Gen Excise Taxes (or Acc 130 or 134 or Ent 120)	-	3
* Acc 193B	CVE/Internship/Practicum	-	3
Bus 20	Introduction to Business (or Bus 120 or 157 or 240 (UHH) or Busn 170 or Law 30 or Phil 102)	-	3
Bus 71	Human Relations in Organizations (or Econ 20 or 50 or 130 or 131 or Mgt 20 or 24 or Psy 170)	-	3
Eng 55	Business Communications (or Eng 209 (UHH))	-	3
** SpCo	SpCo 51 or 130 or 151 or 251	-	3
Elective	Natural Environment	-	3
Elective	An additional course from any of the following alphas: ACC, BUS, BUSN, ENT, ICS, ITS, MGT, MKT, OAT	-	3
TOTAL		30	60

Credits in () are optional

* No grade below "C" will be counted toward graduation

** Meets competency requirement in mathematics or communications

+ Course pending approval

Administration of Justice (AJ)

Faculty: D. Kalei

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

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

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

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

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Develop and initiate personal career plans to obtain jobs or continue a degree in Administration of Justice or related fields.
- Use critical observation skills.
- Communicate with diverse populations in a culturally sensitive and professional manner.
- Assess and respond appropriately to conflict situations.
- Work independently and interdependently to accomplish shared professional outcomes.
- Use technology to access information and communicate effectively in a professional manner.
- Practice within the legal/ethical parameter of their profession.

Required Courses for the Associate in Science Degree in Administration of Justice

AJ 101	Introduction to Administration of Justice
AJ 210	Juvenile Justice
AJ 220	Constitutional Law
AJ 221	Criminal Law
AJ 280	Current Issues
Eng 100	Expository Writing
Eng 102	College Reading Skills
Math	Math 100 or above
	or
Phil 110	Introduction to Logic
SpCo 151	Personal and Public Speech

(continued on next page)

Additional Requirements

- 12 credits in AJ courses.
- 9 credits total by selecting one 3-credit general elective course from each area: Humanities, Natural Science, and Social Science. All courses must be numbered 100 or above and be an approved course from the designated area.
- A minimum total of 60 credits at 100-level or higher.
- Earn a "C" or better in all AJ courses.
- An overall GPA of 2.0 or better.
- 12 credits of General Electives.

First Semester		AS
** Eng 100	Expository Writing	3
Eng 102	College Reading	3
** Math	Math 100 or higher	3
or		
Phil 110	Intro to Logic	(3)
Electives ††	Cultural Env., Natural Env., Social Env.	6
	TOTAL	15
Second Semester		AS
AJ 101	Intro to Administration of Justice	3
SpCo 151	Intro to Speech & Comm	3
Elective ††	Cultural Env., Natural Env., Social Env.	3
Electives	General	6
	TOTAL	15
Third Semester		AS
AJ 210	Juvenile Justice	3
AJ 221	Criminal Law	3
AJ	Elective	3
Electives	General	6
	TOTAL	15
Fourth Semester		AS
AJ 220	Constitutional Law	3
AJ 280	Current Issues in Admin of Justice	3
AJ	Electives (see below)	9
	TOTAL	15
	TOTAL	60

Credits in () are optional

** Meets competency requirement in mathematics or communications

†† Earn 9 credits total by selecting one 3-credit general elective course from each of three areas: Cultural Env., Natural Env., Social Env.

AJ Electives - The following courses will be accepted:

- AJ 103, 104, 106, 150, 170, 180, 193V, 208, 233, 234, 250, 256, 285, 290B, 290C, 290D

Agriculture (AG)

Faculty: D. Ikeda

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

First Semester		CA	AAS
Ag 54A	Tropical Agriculture Production I	6	6
Ag 46	Landscape Construction	3	3
Ag 31	Farm Equip/Mach/Power	3	3
Reading	Eng 21 or higher	3	-
** Writing	Eng 22 or higher	-	3
	TOTAL	15	15
Second Semester		CA	AAS
Ag 54B	Tropical Agriculture Production II	6	6
Ag 33	Greenhouse Construction	3	3
Ag 40	Plant Identification	3	3
** Math	Math 50 or higher	3	-
** Math	Math 22 or higher	-	3
	TOTAL	15	15
Third Semester		CA	AAS
Ag 200	Principles of Horticulture	-	4
Ag 230	Agriculture Business Management	-	3
Ag 122	Soil Technology	-	3
Elective	Natural Environment ††	-	3
Elective	Social Environment ††	-	3
	TOTAL	-	16
Fourth Semester		CA	AAS
Ag 250	Sustainable Crop Production	-	3
Ag 250L	Sustainable Crop Production Lab	-	1
Ag 141	Integrated Pest Management	-	3
Ag 157	Marketing of Agriculture Products	-	3
Ag 260	Tropical Landscape Horticulture	-	3
Elective	Cultural Environment ††	-	3
	TOTAL	-	16
	TOTAL	30	62

Landscape Worker Certificate of Completion

Ag 46	Landscape Construction	3
Ag 31	Farm Equip/Mach/Power	3
Reading	Eng 21 or higher	(3)
Ag 33	Greenhouse Construction	3
Ag 40	Plant Identification	3
** Math	Math 50 or higher	(3)
	TOTAL	12

Farm Worker Certificate of Completion

Ag 54A	Tropical Agriculture Production I	6
Ag 31	Farm Equip/Mach/Power	3
Ag 54B	Tropical Agriculture Production II	6
Ag 33	Greenhouse Construction	3
	TOTAL	18

Credits in () are optional

** Meets competency requirement in mathematics or communications

†† Earn 9 credits total by selecting one 3-credit general elective course from each of three areas: Cultural Env., Natural Env., Social Env.

Architectural, Engineering and CAD Technologies (AEC)

Faculty: G. Cho C. Kojiro

This program prepares students for employment with architectural firms, contractors, engineers, surveyors, or government agencies. Job responsibilities range from making accurate working drawings of buildings to assisting a surveying crew.

Entry Requirements

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

Subject Area	Placement into course
Mathematics	Math 22
Reading	Eng 20R or ESL 9

First Semester		AAS
AEC 80	Basic Drafting	3
AEC 110B	Basic AutoCAD	3
AEC 115	Introduction to Architecture	2
AEC 117	Introduction to Surveying	1
AEC 118	Construction Materials	3
** Math 66	Trig & Algebraic Topics for Draft/Electronics	4
TOTAL		16
Second Semester		AAS
AEC 110C	Basic AutoCAD II	1
AEC 120	Introduction to Construction Drawings	3
AEC 123	Residential Planning and Design	3
AEC 127	Civil Engineering Drawing	3
AEC 135	Introduction to the Built Environment	3
Elective ††	Cultural Env., Natural Env., Social Env. (ICS 100 recommended)	3
TOTAL		16
Third Semester		AAS
AEC 130	Residential Working Drawings	3
AEC 131	Construction Codes	2
AEC 133	Basic Architectural Studio A	4
AEC 134	CAD Options I	1
AEC 137	Surveying II	1
AEC 138	Structural Drawing	1
** Eng	ESL 15 or Eng 21 or higher	3
Elective ††	Cultural Env., Natural Env., Social Env.	3
TOTAL		18
Fourth Semester		AAS
AEC 140	Commercial Working Drawings	3
AEC 141B	Building Services	1
AEC 142	Basic Architectural Studio B	4
AEC 144	CAD Options II	1
AEC 147	Surveying III	2
Elective ††	Cultural Env., Natural Env., Social Env.	3
TOTAL		14
TOTAL		64

** Meets competency requirement in mathematics or communications
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment

Auto Body Repair and Painting (ABRP)

Faculty: M. Saito S. Sanborn

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

First Semester		CA	AAS
ABRP 20	Intro to Auto Body Repair & Painting	1	1
ABRP 21	Oxyacetylene Welding & Cutting	2	2
ABRP 22	Gas Metal Arc Welding Techniques	3	3
ABRP 23	Advanced Welding Techniques	1	1
ABRP 24	Rust Repair & Corrosion Protection	2	2
ABRP 25	Metal Straightening Techniques	3	3
** Eng	ESL 15 or Eng 21 or higher	-	3
** Math 50	Technical Math or higher	-	3
TOTAL		12	18
Second Semester		CA	AAS
ABRP 30	Preparation & Refinish Safety	3	3
ABRP 31	Refinish Equipment & Preparation	1	1
ABRP 32	Refinish Application & Color Matching	2	2
ABRP 33	Paint Problems	2	2
ABRP 34	Color Blending	3	3
ABRP 35	Plastic Repair & Refinishing	1	1
Electives ††	Cultural Env., Natural Env., Social Env.	-	6
TOTAL		12	18
Third Semester		CA	AAS
ABRP 40	Collision Damage Appraisal	2	2
ABRP 41	Panel Replacement & Alignment	3	3
ABRP 42	Door and Quarter Panel Replacement	3	3
ABRP 43	Movable Glass Service	2	2
ABRP 44	Windshield & Stationary Glass Repairs	1	1
ABRP 45	Servicing Electrical Components	1	1
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
TOTAL		12	15
Fourth Semester		CA	AAS
ABRP 50	Structural Damage Analysis	-	3
ABRP 51	Straightening Structural Components	-	3
ABRP 52	Structural Replacement	-	3
ABRP 53	Steering and Suspension	-	2
ABRP 54	Heating and Cooling Systems	-	1
ABRP 93V	CVE (optional)	-	-
TOTAL		-	12
TOTAL		36	63
Automotive Refinish Certificate of Completion			
ABRP 30	Preparation & Refinish Safety	3	
ABRP 31	Refinish Equipment & Preparation	1	
ABRP 32	Refinish Application & Color Matching	2	
ABRP 33	Paint Problems	2	
ABRP 34	Color Blending	3	
TOTAL		11	

** Meets competency requirement in mathematics or communications
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment

(continued on next page)

Basic Auto Body Repair Certificate of Completion

ABRP 20	Intro to Auto Body Repair & Painting	1
ABRP 21	Oxyacetylene Welding & Cutting	2
ABRP 22	Gas Metal Arc Welding Techniques	3
ABRP 24	Rust Repair & Corrosion Protection	2
ABRP 25	Metal Straightening Techniques	3
TOTAL		11

Automotive Mechanics Technology (AMT)

Faculty: H. Fujii K. Shimizu

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

Entry Requirements

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

<u>Subject Area</u>	<u>Minimum placement into course</u>
Mathematics	Math 22
Reading	Eng 20R or ESL 9

First Semester

		CA	AAS
AMT 20	Introduction to Auto	1	1
AMT 23	Lubrication	1	1
AMT 30	Engines	7	7
AMT 40B	Fuel Systems	3	3
Electives ††	Cultural Env., Natural Env., Social Env.	-	6
TOTAL		12	18

Second Semester

		CA	AAS
AMT 40C	Electrical Systems	6	6
AMT 46	Power Train	4	4
AMT 57	Emission	2	2
** Math 50	Technical Math or higher	3	3
** Eng	ESL 15 or Eng 21 or higher	3	3
TOTAL		18	18

Third Semester

		CA	AAS
AMT 50	Auto Transmission	4	4
AMT 53	Brake systems	4	4
AMT 55	Suspension/Steering	4	4
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
TOTAL		12	15

Fourth Semester

		CA	AAS
AMT 60H	Elec./Fuel Systems & Related Components	-	3
AMT 60I	Engines and Related Components	-	3
AMT 60J	Susp./Brakes & Related Components	-	3
AMT 60K	Power Train/Transmissions & Related Components	-	3
AMT 93V	CVE (optional with instructor approval)	-	-
TOTAL		42	63

** Meets competency requirement in mathematics or communications
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment

Business Technology (BTEC)

Faculty: G. Ching M. Kayano
 R. Yamane

The Business Technology program enables students to communicate clearly through oral and written interactions complying with standard office etiquette. Students will use current and emerging technologies to create and produce quality, mailable office documents, and will learn how to organize and manage multiple organizational tasks and coworkers in an office, making efficient use of time and resources.

Program Requirements

		CC	CA	AAS
Bus 71	Human Relations in Organizations	3	3	3
* Busn 89	Electronic Calculating	1	1	1
* Busn 123	Word Processing for Business	3	3	3
* Busn 160	Telephone Techniques & Comm	1	1	1
* Busn 166	Professional Employment Preparation	1	1	1
* Busn 182	Machine Transcription	3	3	3
** Busn 189	Business Mathematics	3	3	3
* Busn 150	Intro to Business Computing	-	3	3
* Busn 170	Records and Information Management	-	3	3
Busn 193V	Cooperative Education	-	3	3
** SpCo	SpCo 51 or 130 or 151	-	3	3
** Eng	Eng 22 or ESL 15 or higher	-	3	-
** Eng 100	Expository Writing	-	-	3
Acc 20	Fundamentals of Accounting (or Acc 124 or 201)	-	-	3
Bus 120	Principles of Business	-	-	3
* Busn 151	Intermediate Business Computing	-	-	3
* Busn 292	Integrated Office Procedures	-	-	3
* Eng 55	Business Communications	-	-	3
Elective ††	Cultural Environment	-	-	3
Elective ††	Natural Environment	-	-	3
Business	Electives (see below)	-	-	6
Elective	General Electives †††	-	-	(3)
TOTAL (minimum)		15	30	60

Credits in () are optional

* No grade below "C" will be counted toward graduation

** Meets the competency requirement in mathematics or communications

†† Earn 6 credits total by selecting one 3-credit general elective course from each of the areas: Cultural Environment, Natural Environment

††† General elective required only if total credits are less than 60

Business Electives - The following courses will be accepted:

- Acc 124, 125, 126, 130, 132, 134, 150, 155, 201, 202
- Bus 25, 35, 36, 55F, 55G, 100, 101, 102, 103, 157
- Busn 84, 86
- Econ 20, 50, 120, 130, 131
- Ent 120
- HOpe 20, 25, 42, 45, 47, 260
- IS 55, 155+
- ITS 103, 104, 108, 118, 121, 140, 151, 193, 215, 221, 284
- Law 30
- Mgt 20, 22, 24
- Mkt 20, 30, 50, 60, 65, 85, 121, 150
- Nurs 110

+ Course pending approval

Carpentry (CARP)

Faculty: G. Harada J. Tanabe

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

Entry Requirements

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

Subject Area	Minimum placement into course
Mathematics	Math 22 or Math 50
Reading	Eng 21

First Semester		CA	AAS
Carp 20A	Basic Carpentry I	3	3
Carp 21A	Basic Carpentry II	9	9
** Math 50	Technical Math or higher	3	3
Blpr 30F	Blpr Reading and Drafting	3	3
	TOTAL	18	18
Second Semester		CA	AAS
Carp 22	Concrete Form Construction	12	12
Blpr 40	Blpr Reading and Estimates	3	3
** Eng	ESL 15 or Eng 21 or higher	3	3
	TOTAL	18	18
Third Semester		CA	AAS
Carp 41	Rough Framing and Exterior Finish	-	12
Electives ††	Cultural Env., Natural Env., Social Env.	-	6
	TOTAL	-	18
Fourth Semester		CA	AAS
Carp 42	Finishing	-	12
Math 55	Technical Math II	-	1
Elective ††	Cultural Env., Natural Env., Social Env.	-	3
Carp 93V	CVE (optional)	-	-
	TOTAL	-	16
	TOTAL	36	70

** Meets competency requirement in mathematics or communications
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment

Cisco Networking Academy (CNA)

Faculty: J. Yoshida

The Cisco Networking Academy (CNA) is an alliance between Cisco Systems, Inc. (the largest provider of networking equipment), education, business, government, and community organizations around the world. Since its inception in October 1997, approximately 600,000 students each year have been reached through more than 10,000 Cisco Academies in all 50 states, Washington D.C., Guam, American Samoa, and over 160 other countries.

Hawai‘i Community College is authorized to offer Cisco Networking courses and others such as Wireless LANs, PC Hardware and Software, and Servers on a credit and non-credit basis. The courses also help prepare students for respective industry certification examinations.

The Cisco Certified Networking Associate (CCNA) series of courses are intended for CCNA examination preparation; to prepare individuals for further education/training; to complement courses/training in electronics, computer technology, and engineering; to provide practical hands-on exercises in computer network design, implementation and maintenance; and to prepare individuals for entry-level (learning-oriented) jobs in the computer networking field. The CCNA courses are:

- CENT 140: Network Fundamentals
- CENT 240B: Routing Protocols and Concepts
- CENT 240C: LAN Switching and Wireless
- CENT 241: Accessing the WAN

For more information about the CNA and courses, contact Jim Yoshida at jamesyos@hawaii.edu or at (808) 974-7427 or visit <http://cisco.netacad.net>

Cooperative Vocational Education (CVE)

Faculty: E. Tamiya

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

Alternating study in college with employment in private or public sectors is provided—the two experiences being planned and supervised by HawCC and the employers contributes to the student’s development in his or her chosen occupation.

Culinary Arts (CULN)

Formerly Food Service (FSER)

Faculty: P. Heerlein J. Lightner
 A. Okuda S. Barr Rivera
 B. Saiki

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

First Semester		CC	CA	AAS
FSer 20	Food Service Orientation	1	1	1
or				
‡ Culn 111	Introduction to the Culinary Industry	(2)	(2)	(2)
FSer 21	Food Service Sanitation	2	2	2
or				
‡ Culn 112	Sanitation and Safety	(2)	(2)	(2)
FSer 30	Purchasing/Control	3	3	3
or				
‡ Culn 170	Food and Beverage Purchasing	(3)	(3)	(3)
FSer 50	Fundamentals of Cookery	6	6	6
or				
‡ Culn 120	Fundamentals of Cookery	(6)	(6)	(6)
FSer 41V	Dining Room Operations/Stewarding	-	-	1
or				
‡ Culn 160V	Dining Room Service/Stewarding	-	-	(1)
** Math 50	Technical Math or higher	-	-	3
TOTAL		12	12	16

Second Semester		CC	CA	AAS
FSer 23	Menu Planning & Merchandising	(1)	1	1
or				
‡ Culn 115	Menu Merchandising	(1)	(1)	(1)
FSer 52	Short Order Cookery	3	3	3
or				
‡ Culn 131	Short Order Cookery	(3)	(3)	(3)
FSer 54	Cold Food Pantry	4	4	4
or				
‡ Culn 140	Cold Food Pantry	(4)	(4)	(4)
FSer 62	Fundamentals of Baking	4	4	4
or				
‡ Culn 150	Fundamentals of Baking	(4)	(4)	(4)
FSer 41V	Dining Room Operations/Stewarding	-	-	1
or				
‡ Culn 160V	Dining Room Service/Stewarding	-	-	(1)
** Eng	ESL 15 or Eng 21 or higher	-	-	3
TOTAL		11	12	16

Third Semester		CC	CA	AAS
FSer 34	Food & Beverage Cost Control	-	5	5
or				
‡ Culn 270	Food and Beverage Cost Control	-	(5)	(5)
FSer 60	Intermediate Cookery	-	7	7
or				
‡ Culn 130	Intermediate Cookery	-	(7)	(7)
FSHN 185††	Nutrition	-	-	3
Mgt 20††	Introduction to Management	-	-	3
TOTAL		-	12	18

Fourth Semester		CC	CA	AAS
FSer 63	Patisserie	-	-	4
or				
‡ Culn 252	Patisserie	-	-	(4)
FSer 70	Advanced Cookery	-	-	6
or				
‡ Culn 220	Advanced Cookery	-	-	(6)
FSer 72	Buffet Preparation	-	-	4
or				
‡ Culn 240	Garde Manger	-	-	(4)
Elective††	Cultural Environment (HwSt course recommended)	-	-	3
FSer 93V†	CVE (optional)	-	-	-
TOTAL		-	-	17
TOTAL		23	36	67

Credits in () are optional

** Meets competency requirement in mathematics or communications

† Optional with instructor's approval

†† Meets requirements in Cultural, Natural, or Social Environment

‡ Pending approval of Program Modification



Diesel Mechanics (DISL)

Faculty: M. Soares

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

First Semester		CA	AAS
DiMc 20	Intro. to Diesel Engines	2	2
DiMc 21	Engine Operating Principles	2	2
DiMc 22	Cylinder Blocks & Heads	2	2
DiMc 23	Crankshaft & Bearings	2	2
DiMc 24	Camshaft, Gear Train, & Timing	2	2
DiMc 25	Piston & Connecting Rod Assemblies	2	2
** Math 50	Technical Math or higher	-	3
** Eng	ESL 15 or Eng 21 or higher	-	3
	TOTAL	12	18

Second Semester		CA	AAS
DiMc 30	Intro to Electrical Systems	2	2
DiMc 31	Starting Systems & Circuits	1	1
DiMc 32	Charging Systems & Circuits	2	2
DiMc 33	Intro to Fuel Systems	2	2
DiMc 34	Caterpillar Fuel Systems	1	1
DiMc 35	Detroit Fuel Systems	1	1
DiMc 36	Cummins Fuel Systems	1	1
DiMc 37	Stanadyne Fuel Systems	1	1
DiMc 38	Bosch-CAV	1	1
Elective ††	Natural Environment (Phys 50 or higher recommended)	-	3
Elective ††	Cultural Environment	-	3
	TOTAL	12	18

Third Semester		CA	AAS
DiMc 40	Intro to Power Trains	3	3
DiMc 41	Clutches & Flywheels	1	1
DiMc 42	Mechanical Transmissions	1	1
DiMc 43	Drive Lines & Power Take-Offs	2	2
DiMc 44	Differentials & Final Drives	2	2
DiMc 45	Torque Converters & Hydraulic Assist Transmissions	2	2
DiMc 46	Hydrostatics	1	1
Elective ††	Social Environment (SpCo 51 or higher rec.)	-	3
	TOTAL	12	15

Fourth Semester		CA	AAS
DiMc 50	Brakes	-	2
DiMc 51	Suspension & Steering	-	2
DiMc 52	Engine Lub. & Lub. Systems	-	2
DiMc 53	Engine Coolants & Cooling Systems	-	2
DiMc 54	Air Intake & Exhaust Systems	-	2
DiMc 55	Hydraulics/Pneumatics	-	3
DiMc 93V	CVE (optional)	-	-
	TOTAL	-	13

TOTAL		36	64
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** Meets competency requirement in mathematics or communications
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment

Digital Media Arts (DMA)

Faculty: V. Murakami

This certificate prepares students for work in the fields of digital media design and production. It gives necessary education and training to students seeking entry-level positions as digital media artists. It provides professionals already in the field with updated technology training.

To receive a certificate, majors must earn a "C" or better in each course.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Use technology effectively to create visual artworks.
- Gather, analyze, and evaluate information visually and critically.
- Engage aesthetics in everyday life by thinking and communicating visually.
- Contribute and apply knowledge of aesthetics to the needs of the community.
- Present a digital portfolio in a professional manner.
- Work effectively as a member of a project team.

Digital Media Arts Requirements CC

Required courses:		
Art 112	Introduction to Digital Arts	3
Art 115	Foundation Studio: 2-D Design	3
Art 202	Digital Imaging	3
Art 209	Image in Motion Studio	3
Art 294	Practicum in Digital Arts	3
Ent 120	Starting a Small Business	3
Elective courses (choose one):		3
Art 107	Intro to Photography	(3)
Art 107D	Intro to Digital Photography	(3)
Art 125	Introduction to Graphic Design	(3)
Art 126	3D Computer Graphics I	(3)
Art 212	Digital Animation	(3)
Art 226	3D Computer Graphics II	(3)
Art 259	Narrative Game Design	(3)
Eng 105	Reading Film	(3)
	TOTAL	21

Credits in () are optional

Early Childhood Education (ECED)

Faculty: M. Goya
Children's Center Staff: J. Puniwai
 M. Wong
 C. Espaniola
 B. Pavao

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

Students taking Laboratory or Practicum courses may be required to complete fingerprinting and criminal history record checks.

This degree is fully articulated with the Bachelor of Arts in Social Science (with a concentration in Early Childhood Education) offered at the University of Hawai'i West O'ahu campus.

Program Learning Outcomes

The underlying foundation for these outcomes is knowledge of child development and of the multiple interacting factors that influence growth and learning. Through the A.S. program the themes of development, families, communication, diversity and inclusion are addressed.

Upon successful completion, students are prepared to:

- Plan, implement, and evaluate curriculum and learning environments for individual and groups of children based on knowledge of child development and its multiple influences to ensure that they promote health, safety, positive development, and learning for all children.
- Assess children's progress using formal and informal observation and assessment tools and methods.
- Communicate effectively and appropriately with children and adults from all backgrounds to build respectful, reciprocal relationships; use appropriate guidance practices with children.
- Participate actively in planning and decision-making concerning the educational, physical, fiscal, and human resources in classrooms and programs for children.
- Base decisions and actions on ethical and other professional standards.
- Demonstrate collaboration, critical thinking, and reflection.
- Advocate for children and their families in the classroom and the program.

General Education Requirements

Certificate of Achievement:

- Eng 21 or 102 or higher
- Eng 22 or 100 or ESL 15
- SpCo 51 or 151
- Math 22 or higher

Associate of Science Degree:

- Eng 100
- Eng 102 or higher
- SpCo 151
- Phil 110 or Math 100 or higher (Math 115 recommended)
- 3 credits Natural Environment electives (100 level or higher)
- 6 credits Social Environment electives (100 level or higher)
- 3 credits Cultural Environment electives (100 level or higher)
- 3 credits (Ed 252 or Ed 255 or Humanities 100 level or higher)
- 3 credits of General Electives (100 level or higher)

Graduating students must receive a grade of "C" or better in these courses in order to be awarded their certificate or degree: Ed 105, Ed 110, Ed 131, Ed 190 or Ed 191, and Ed 291.

First Semester		CC	CA	AS
* Ed 105	Intro to Early Childhood Education	3	3	3
* Ed 110	Developmentally Appropriate Pract.	3	3	3
* Ed 131	Early Childhood Development	3	3	3
GenEd	General Education Requirements	-	6	6
TOTAL		9	15	15

Second Semester		CC	CA	AS
(Certificate of Completion requires Ed 115 or 140 or 245)		3	-	-
Ed 115	Health, Safety, & Nutrition	(3)	3	3
Ed 140	Guidance of Children	(3)	3	3
GenEd	General Education Requirements	-	6	9
TOTAL		3	12	15

Third Semester		CC	CA	AS
* Ed 190 †	Early Childhood Laboratory	4	4	4
Ed 245	Child, Family, and Community	(3)	3	3
Ed 263	Language and Creative Curriculum	-	-	3
GenEd	General Education Requirements	-	-	6
TOTAL		4	7	16

Fourth Semester		CC	CA	AS
* Ed 291	Early Childhood Practicum II	-	-	4
Ed 264	Inquiry and Physical Curriculum	-	-	3
GenEd	General Education Requirements	-	-	6
Elective	General Elective	-	-	3
TOTAL		-	-	16
TOTAL (minimum)		16	34	62

* No grade below "C" will be counted toward graduation

† Ed 191 - Early Childhood Practicum I may be substituted for Ed 190 only when Ed 190 is not available and with instructor's consent.

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

Electrical Installation and Maintenance Technology (EIMT)

Faculty: P. Pajo H. Takiue

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

Entry Requirements

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

<u>Subject Area</u>	<u>Minimum placement into course</u>
Mathematics	Math 51 (or "C" or better in 22)
Reading	Eng 21

First Semester		CA	AAS
* Elec 24	Interior Wiring	12	12
Blpr 22	Blpr Reading and Drafting	3	3
** Math 51	Algebra Topics for Electricity	3	3
TOTAL		18	18

Second Semester		CA	AAS
* Elec 22	Electricity II	12	12
Blpr 30C	Blpr Reading for Electricians	-	3
** Eng	ESL 15 or Eng 21 or higher	3	3
TOTAL		15	18

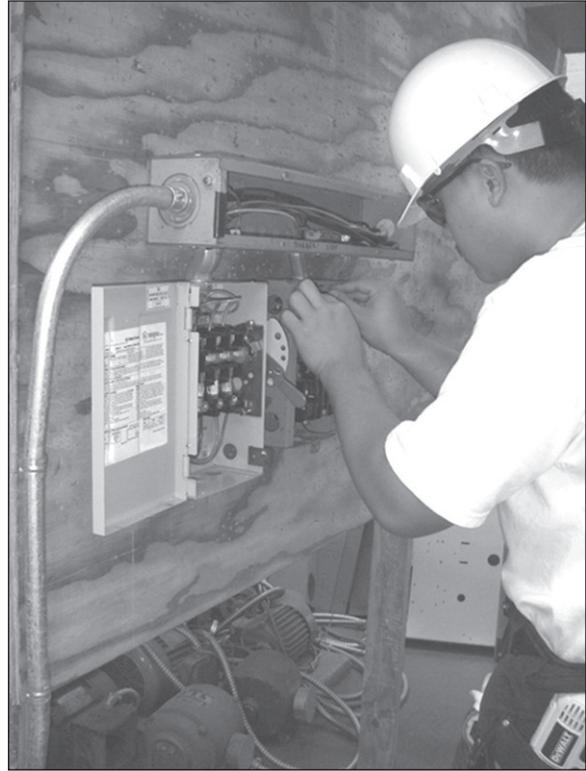
Third Semester		CA	AAS
* Elec 41	Alternating Current	12	12
Elective ††	Natural Environment (Phys 50 or higher recommended)	-	3
Elective ††	Social Environment	-	3
TOTAL		12	18

Fourth Semester		CA	AAS
* Elec 43	Industrial Electricity	-	12
Elective ††	Cultural Environment	-	3
Elec 93V	CVE (Optional with instructor approval)	-	-
TOTAL		-	15
TOTAL		45	69

* No grade below "C" will be counted toward graduation

** Meets competency requirement in mathematics or communications

†† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment



Electronics Technology (ET)

Faculty: H. Motomura

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

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

Entry Requirements

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

<u>Subject Area</u>	<u>Minimum placement into course</u>
Mathematics	Math 22
Reading	Eng 20R or ESL 9

First Semester		AAS
Etro 20	Fundamentals of Electronics	5
Etro 20L	Fundamentals of Electronics Lab	3
Etro 23	Fabrication	2
Etro 23L	Fabrication Lab	2
** Math 66	Technical Math	4
TOTAL		16

Second Semester		AAS
Etro 22	Application of Electronics	5
Etro 22L	Application of Electronics Lab	3
Etro 32	Electronic Circuit Analysis	4
Elective ††	Social Environment (SpCo 51 or higher recommended)	3
	TOTAL	15

Third Semester		AAS
Etro 40	Microprocessor Electronics	3
Etro 40L	Microprocessor Electronics Lab	3
Etro 45	Electronic Circuits/Systems	3
Etro 45L	Electronic Circuits/Systems Lab	3
** Eng	ESL 15 or Eng 21 or higher	3
Elective ††	Natural Environment	3
	TOTAL	18

Fourth Semester		AAS
Etro 43	Computer/Networking & Hardware	4
Etro 43L	Computer/Networking & Hardware Lab	3
Etro 57	Electronics Servicing	2
Etro 57L	Electronics Servicing Lab	3
Elective ††	Cultural Environment	3
	TOTAL	15

TOTAL **64**

** Meets competency requirement in mathematics or communications
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment

Optics Technology Certificate of Competence		
Etro 160	Laser Safety and Applications	1
Etro 161	Introduction to Optics and Photonics	3
Etro 166	Introduction to Fiber Optics	3
	TOTAL	7

Network Technology Certificate of Completion		
CENT 140	Network Fundamentals	3
CENT 240B	Routing Protocols and Concepts	3
CENT 240C	LAN Switching and Wireless	3
CENT 241	Accessing the WAN	3
	TOTAL	12

Environmental Studies Academic Subject Certificate (ASC-ENVS)

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

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

Residency and Transfer credit:

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

Requirements

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

Core Requirements (7 credits)

- Sci 124 Introduction to Environmental Science
- Sci 124L Intro to Environmental Science Lab
- Ag 190V Internship
or
- SSci 250 Environmental Issues

Subject Areas (9 credits)

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

Life Sciences (3 credits)

- BioC 241 Fundamentals of BioChemistry
- Biol 101 General Biology
- Biol 156 Natural History of the Hawaiian Islands
- Bot 101 General Botany
- Bot 130 Plants in Hawaiian Environment
- Zool 101 Principles of Zoology

Physical Sciences (3 credits)

- Chem 100 Chemistry for Non-Science Majors
- Chem 151 Elementary Survey of Chemistry
- Geog 101 Geography and the Natural Environment
- Geog 122 Geography of Hawai'i
- Ocn 201 Science of the Sea
- Ocn 205 Intermediate Oceanography

Social Sciences (3 credits)

- Econ 120 Principles of Economics
- Geog 102 World Regional Geography
- Phil 120 Science, Technology and Values
- PolS 110 Introduction to Political Science
- Soc 100 Survey of General Sociology
- Soc 218 Social Problems and Social Issues
- SSci 111 Humanity, Society, and Technology
- SSci 150 Ecology and Society

Food Service (FSER)

See Culinary Arts (CULN)

Hawaiian Life Styles Academic Subject Certificate (HLS ASC)

The Hawaiian Life Styles ASC supports students interested in exploring and experiencing Native Hawaiian Life Styles. Learners may specialize in the Subject Certificate while fulfilling the program requirements for any major at HawCC. The curriculum provides a strong, functional Hawaiian Life Styles foundation.

General Information

Students seeking the HLS ASC must receive a grade of “C” or better in all courses. The listed requirements are subject to change. For the latest information, please visit the website, <http://hawaii.hawaii.edu/humdl/humhls.htm> or contact an advisor:

Kekuhi Keali'ikanaka'ole	(808) 974-7486
Taupōuri Tangarō	(808) 933-0700
Leialoha Ilae-Kaleimamahu	(808) 974-7486
Kihei Nahale-a	(808) 974-7602
M. Noe Noe Wong-Wilson	(808) 974-7602
E. Kalani Flores	(808) 322-4867 (West HI)

Requirements

1. **Credits Required:** A minimum of 17 credits is required to receive the HLS ASC.
2. A minimum of 6 credits must be completed at HawCC.
3. **Minimum GPA Required:** A minimum cumulative GPA of 2.0 is required.

Language Requirements (8 cr)

Must have Group 1 or Group 2:

Group Option 1

- Haw 101 Beginning Hawaiian Language I
- Haw 102 Beginning Hawaiian Language II

Group Option 2

- Haw 201 Intermediate Hawaiian Language I
- Haw 202 Intermediate Hawaiian Language II

Culture Requirements (9 credits)

- HwSt 124 Hawaiian Myths and Legends
- HwSt 125 Hawaiian Plants and Their Uses
- HwSt 129 Hawaiian Chants and Classical Dances
- HwSt 205 Native Hawaiian Beliefs and Practices
- HwSt 221 Hawaiian Culture in Transition
- HwSt 224 Epic Saga of Pele and Hi'iaka
- HwSt 231 Hawaiian Culture I
- HwSt 232 Hawaiian Culture II, Oral Arts and Traditions

Hawaiian Life Styles (HLS)

Faculty: E. Flores (WH) L. Ilae-Kaleimamahu
K. Keali'ikanaka'ole K. Nahale-a
T. Tangarō M. Wong-Wilson

The Hawaiian Life Styles (HLS) Associate of Applied Science (A.A.S.) degree focuses on particular native Hawaiian occupations that supported a vibrant, sustainable, highly scientific, and spiritually balanced island population years prior to Western contact.

Program Learning Outcomes

The HLS degree prepares students to quantify and qualify their relationship to their community. The program educates students to promote, with confidence, the uniqueness of this land, the ocean, and its people. The HLS student learner outcomes encapsulate the ideals and philosophy of HawCC's Liberal Arts program student learner outcomes.

Upon successful completion, students are prepared to:

- Articulate personal connections and interactions with people, communities, and environments to establish one's place, responsibilities, and purpose in the world. (Kāhoēuli/Connections)
- Reflectively evaluate a sense of place and an awareness of the delicate balance necessary to maintain healthy life systems for generations to come. (Kā'iewe/Sense of Place)
- Actively engage in the maintenance, preservation, and conservation of Hawai'i's and other global communities' landscapes and resources. (Kā'imo'o/Sustainability)
- Demonstrate multi-sensory perspectives in natural and social environments to interact appropriately. (Ka'imaka/Perspective)
- Apply cultural knowledge, practices, career skills, and experiences to strengthen and sustain one's life style and identity. (Kā'ikoi/Identity)
- Advance leadership skills towards sound and creative decision-making that inspires balance in mind, body, spirit and advancement. (Kāimua/Leadership)
- Foster a life-long desire to seek knowledge, wisdom, and experiences to enhance communities, family and self. (Kā'ipono/Excellence)

(specific degrees continued on next page)

Hula Track (HLS-HULA)

The A.A.S. Degree in Hula prepares students to understand the depth and breadth of Hula science that encompasses an interdisciplinary local and global knowledge base. This experience will allow students to consider a wide variety of potential careers including, but not limited to: environmental science, forestry, astronomy, anthropology, archeology, biology, agriculture, art, music, education, social services, business, development, planning, and politics with an increased knowledge in traditional and contemporary Native Hawaiian ideology and practice.

This degree is not designed for transfer directly into a Baccalaureate program; however, it does include many transfer level general education courses. To earn this degree, students must:

- Complete the required courses
- Earn a cumulative GPA of at least 2.0 as well as a 2.0 in each of the major courses
- Earn the final 12 semester hours at HawCC
- Earn the Hula-specific course credits (HwSt 129, 130, 131, and 235) in residency

Core Requirements

	AAS
Haw 101 Elementary Hawaiian I	4
Haw 102 Elementary Hawaiian II	4
Haw 201 Intermediate Hawaiian Language I	4
Haw 202 Intermediate Hawaiian Language II	4
HwSt 124 Hawaiian Myths and Legends	3
HwSt 125 Hawaiian Plants and Their Uses	3
HwSt 128 Hawaiian Arts and Crafts	1
HwSt 128 Hawaiian Arts and Crafts (different topic)	1
HwSt 128 Hawaiian Arts and Crafts (different topic)	1
HwSt 129 Classical Hawaiian Chants and Dance	3
HwSt 130 Papa 'Olapa (Ancient Hula)	3
HwSt 131 Hula Noa (Secular Hula)	3
HwSt 224 Epic Saga of Pele and Hi'iaka	3
HwSt 231 Hawaiian Culture I	3
HwSt 232 Hawaiian Culture II, Oral Arts and Traditions	3
HwSt 235 Hula Ensemble	4
TOTAL	47

General Requirements

HwSt 221 Hawaiian Culture in Transition	3
Hist 153 Hawai'i and the World I	3
or	
Hist 154 Hawai'i and the World II	(3)
Elective Natural Environment	3
** Comm Eng 100 or 102 or SpCo 151	3
** Math Math 100 or Phil 110	3
TOTAL	15
TOTAL	62

Credits in () are optional

** Meets competency requirement in mathematics or communications

Lawai'a Track (HLS-LAWA)

The A.A.S. Degree in Lawai'a prepares students to understand the depth and breadth of Lawai'a science that encompasses an interdisciplinary local and global knowledge base. This experience will allow students to consider a wide variety of potential careers including, but not limited to: marine biology, aquaculture, environmental science, oceanography, astronomy, navigation, anthropology, archeology, biology, agriculture, art, music, education, social services, business, development, planning, and politics with an increased knowledge in traditional and contemporary Native Hawaiian ideology and practice.

This degree is not designed for transfer directly into a Baccalaureate program; however, it does include many transfer level general education courses. To earn this degree, students must:

- Complete the required courses
- Earn a cumulative GPA of at least 2.0 as well as a 2.0 in each of the major courses
- Earn the final 16 semester hours at HawCC
- Earn the Lawai'a-specific course credits (HwSt 170A, 170B, 270, 271, 272) in residency

Core Requirements

	AAS
Haw 101 Elementary Hawaiian I	4
Haw 102 Elementary Hawaiian II	4
Haw 201 Intermediate Hawaiian Language I	4
Haw 202 Intermediate Hawaiian Language II	4
HwSt 124 Hawaiian Myths and Legends	3
HwSt 125 Hawaiian Plants and Their Uses	3
HwSt 128 Hawaiian Arts and Crafts	1
HwSt 128 Hawaiian Arts and Crafts (different topic)	1
HwSt 128 Hawaiian Arts and Crafts (different topic)	1
HwSt 128 Hawaiian Arts and Crafts (different topic)	1
HwSt 170A Lawai'a Culture I	3
HwSt 170B Lawai'a Culture II	3
HwSt 224 Epic Saga of Pele and Hi'iaka	3
HwSt 231 Hawaiian Culture I	3
HwSt 232 Hawaiian Culture II, Oral Arts and Traditions	3
HwSt 270 Loko I'a	3
+ HwSt 271 Kai Hohonu	3
+ HwSt 272 Lawai'a Internship	3
TOTAL	49

General Requirements

Haw 221 Hawaiian Culture in Transition	3
Hist 153 Hawai'i and the World I	3
or	
Hist 154 Hawai'i and the World II	(3)
Elective Natural Environment	3
** Comm Eng 100 or 102 or SpCo 151	3
** Math Math 100 or Phil 110	3
TOTAL	15

TOTAL

64

Credits in () are optional

** Meets competency requirement in mathematics or communications

+ Course pending approval

Mahi'ai Track (HLS-MAHI)

The A.A.S. Degree in Mahi'ai prepares students to understand the depth and breadth of Mahi'ai science that encompasses an interdisciplinary local and global knowledge base. This experience will allow students to consider a wide variety of potential careers including, but not limited to: agriculture, agroforestry, environmental science, forestry, astronomy, anthropology, archeology, biology, art, music, education, social services, business, development, planning, and politics with an increased knowledge in traditional and contemporary Native Hawaiian ideology and practice.

This degree is not designed for transfer directly into a Baccalaureate program; however, it does include many transfer level general education courses. To earn this degree, students must:

- Complete the required courses
- Earn a cumulative GPA of at least 2.0 as well as a 2.0 in each of the major courses
- Earn the final 16 semester hours at HawCC
- Earn the Mahi'ai-specific course credits (HwSt 160, 161, 260, 261) in residency

Core Requirements

		AAS
Haw 101	Elementary Hawaiian I	4
Haw 102	Elementary Hawaiian II	4
Haw 201	Intermediate Hawaiian Language I	4
Haw 202	Intermediate Hawaiian Language II	4
HwSt 124	Hawaiian Myths and Legends	3
HwSt 125	Hawaiian Plants and Their Uses	3
HwSt 128	Hawaiian Arts and Crafts	1
HwSt 128	Hawaiian Arts and Crafts (different topic)	1
HwSt 128	Hawaiian Arts and Crafts (different topic)	1
HwSt 160	Kalo (Taro) Culture I	3
HwSt 161	Kalo (Taro) Culture II	3
HwSt 224	Epic Saga of Pele and Hi'iaka	3
HwSt 231	Hawaiian Culture I	3
HwSt 232	Hawaiian Culture II, Oral Arts and Traditions	3
HwSt 260	The Lo'i Kalo (Wetland Taro)	3
HwSt 261	Huki 'Ai: Harvest and Marketing	3
+ HwSt 262	Kalo Internship	2
	TOTAL	48

General Requirements

Haw 221	Hawaiian Culture in Transition	3
Hist 153	Hawai'i and the World I	3
or		
Hist 154	Hawai'i and the World II	(3)
Elective	Natural Environment	3
** Comm	Eng 100 or 102 or SpCo 151	3
** Math	Math 100 or Phil 110	3
	TOTAL	15

TOTAL **63**

Credits in () are optional

** Meets competency requirement in mathematics or communications

+ Course pending approval

Hospitality and Tourism (HOST)

Faculty: J. Lightner (WH)

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

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

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Understand the ethics and values in the hospitality/visitor industry.
- Demonstrate proper work attitudes and work habits.
- Demonstrate general knowledge of hotel departmental functions and their relationship.
- Demonstrate general knowledge of the structure, function and operation of hospitality/visitor industry enterprises.
- Demonstrate entry-level proficiency in technical skills required in the hospitality/visitor industry.
- Choose an appropriate career path based on industry knowledge or requirements.
- Practice proper etiquette and appearance/hygiene techniques as required by industry standards.
- Demonstrate judgment and skills necessary in the job selection process.
- Integrate their knowledge of Hawai'i's history and culture into hospitality/visitor industry operations.

First Semester		CC	CA	AAS
HosT 25	Guest Service Procedures	3	3	3
HosT 101	Introduction to Hospitality & Tourism	3	3	3
HosT 150	Housekeeping Operations	3	3	3
HosT 152	Front Desk Operations	3	3	3
ICS 100	Computing Literacy & Applications	4	4	4
	TOTAL	16	16	16

Second Semester		CC	CA	AAS
Eng 100	Expository Writing	3	3	3
HosT 47	Hospitality Marketing	-	3	3
HosT 260	Hospitality Law	-	3	3
** SpCo 151	Intro to Speech & Communication	-	3	3
HosT 193V	Cooperative Education	-	3	3
	TOTAL	3	15	15

Third Semester		CC	CA	AAS
Mgt 20	Intro to Management	-	3	3
FSer 21	Food Service Sanitation	-	-	2
or				
‡ Culn 112	Sanitation and Safety	-	-	(2)
FSer 30	Purchasing and Control	-	-	3
or				
‡ Culn 170	Food and Beverage Purchasing	-	-	(3)
FSer 50	Fundamentals of Cookery	-	-	6
or				
‡ Culn 120	Fundamentals of Cookery	-	-	(6)
FSHN 185	Nutrition	-	-	3
TOTAL			3	17

Fourth Semester		CC	CA	AAS
** Acc 130	Hospitality Accounting	-	3	3
HwSt 231	Hawaiian Culture I	-	3	3
HosT 44	Principles of Hotel Management	-	-	3
HosT 293V	Cooperative Education	-	-	3
Bus 120	Principles of Business	-	-	3
TOTAL			6	15
TOTAL		19	40	63

Credits in () are optional

** Meets the competency requirement in mathematics or communications

‡ Pending approval of Program Modification

Human Services (HSER)

Faculty: S. Claveria

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

Program Learning Outcomes

Upon successful completion, students are prepared to:

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

To receive a certificate HSER majors must earn a "C" or better in each HSER course.

(continued on next column)

Human Services Requirements		CC
HSer 110	Introduction to Human Services	3
or		
HSer 111	Intro to Human Services: Therapeutic Aide	(3)
HSer 193	Human Services Practicum I	3
HSer 293	Human Services Practicum II	3
Psy	Psy 100 or 170	3
Eng	Eng 22 or ESL 15	3
Soc. Env. option courses approved by HServ. Coordinator		6
TOTAL		21

Credits in () are optional

Information Technology (IT)

Faculty: A. Brown K. Killam

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

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

Program Learning Outcomes

Upon successful completion, students are prepared to:

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

Entry Requirements

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

Subject Area	Course Completion	or	Placement into course
Mathematics	Math 25 or 25X or 26		Math 100
Reading	Eng 21		Eng 102

First Semester		CA	AS
ICS 101	Digital Tools for the Information World	4	4
ITS 103	Introduction to the Programming Process	4	4
ITS 104	Computer Hardware Support	4	4
Acc 201	Elementary Accounting I	3	3
** Eng 102	College Reading Skills	3	3
	TOTAL	18	18

Second Semester		CA	AS
ITS 108	Computer Software Support	3	3
ITS 118	Visual Basic Programming for Business Applications	4	4
ITS 121	Computing Topics	3	3
** Eng 100	Expository Writing	3	3
** Math 100	Survey of Mathematics (or higher)	3	3
	TOTAL	16	16

Third Semester		CA	AS
ITS 151	Applied Database Programming in an Object Oriented Environment	-	4
ITS 215	Network Administration	-	4
ITS 218	Help Desk Support	-	3
** SpCo 151	Intro to Speech and Communications	-	3
Elective ††	Cultural Env., Natural Env., Social Env.†	-	3
	TOTAL	-	17

Fourth Semester		CA	AS
ITS 193	Cooperative Education/Internship/Practicum	-	3
ITS 221	Advanced Computing Topics	-	3
ITS 284	Data Communications Fundamentals	-	3
Electives ††	Cultural Env., Natural Env., Social Env.†	-	6
	TOTAL	-	15
	TOTAL	34	66

Additional Requirements

- Earn a "C" or better in all ICS and ITS courses.
- Earn an overall GPA of 2.0 or better.

** Meets competency requirement in mathematics or communications
 † Any Social Environment elective other than ICS 100.
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural Env., Natural Env., Social Env.
 All elective courses must be numbered 100 or above.

Computer Support Certificate of Completion

ICS 101	Digital Tools for the Information World	4
ITS 104	Computer Hardware Support	4
ITS 108	Computer Software Support	3
Busn 166	Professional Employment Preparation	1
	TOTAL	12

Liberal Arts (LBRT)

Faculty:	M. Bader	L. Brezinsky
	R. Brashear-Kaulfers	S. Claveria
	S. Cline (WH)	J. Cole
	S. Earnshaw (WH)	E. Flores (WH)
	M. Goya	C. Hoffman (WH)
	P. Hudson	D. Kalei
	G. Kimura	M. Larish
	B. Laurich	A. Maeda
	C. Marlow	J. Marlow
	E. Mecklenburg	D. Moore
	V. Murakami	C. Naguwa
	K. Nahale-a	T. Nahm-Mijo
	L. Padilla	D. Petersen
	N. Rodriquez	J. Ryan
	K. Sato	J. Savage
	P. Scheffler	J. Schumaker
	K. Sims (WH)	O. Steele
	J. Stradtman-Carvalho	
	T. Tangarō	F.D. Uchima
	J. Wilcox (WH)	M. Wong
	M. Wong-Wilson	L. Zitnik

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

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Think and act with intellectual insight and integrity. Gather, analyze, and evaluate information. Pose questions, synthesize ideas, solve problems, and reach logical conclusions. Create new ideas and works that express individuality.
- Discover, construct and communicate meaning through observing, listening, speaking, reading, writing, and interacting.
- Apply mathematical reasoning and scientific methods to solve problems.
- Evaluate historical perspectives to inform present thought and influence future action.
- Use information ideas, and methods from diverse disciplines to enhance intellectual, aesthetic, professional, and community life.
- Engage persons across the whole community in working collaboratively to advance shared goals.
- Make informed and principled decisions with respect to individual conduct, the community, and the environment. Respect, promote and support Hawaiian and Local cultures and social diversity.
- Demonstrate commitment to social and natural systems in ways that honor and sustain the integrity of life.

(continued on next page)

To earn the Associate in Arts Degree, a student must meet the following requirements:

1. Credits Required: A total of 60 credits earned at or transferred to HawCC in 100-200 level courses
2. A minimum of 15 credits must be completed at HawCC
3. Minimum GPA Required: A minimum cumulative GPA of 2.0 is required for graduation
4. CR/NC option may be used to satisfy area and general elective requirements (Policy Haw 5.503)

Core Requirements (18 credits)

Communication (9 credits):

- Eng 102 (Reading), 100 (Writing)
- SpCo 151 or 251†

Logical Reasoning (3 credits):

- Math 100 or higher or Phil 110

World Civilization (6 credits):

- Hist 151† or 153†; and Hist 152† or 154†

Writing Intensive:

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

Area Requirements (31 credits)

Humanities: Nine (9) credits total from the following groups:

Asian/Pacific Culture (3 credits):

- Art 227
- Asan 120†, 121†, 122†
- Eng 257A
- Hist 123, 153†, 154†, 241, 242, 284, 288
- HwSt 107, 107A, 107B, 123, 124, 125, 126, 128, 129, 130, 131, 141† (see HSer/Subs 141), 160, 161, 205, 221, 224, 231, 232, 235, 241, 242, 250, 251, 260, 261, 270
- Phil 102
- Rel 152

Humanities (3 credits):

- Art 101, 105B, 105C, 107, 107D, 108, 111, 112, 113, 114, 115, 123, 125, 126, 202, 207, 209, 212, 214, 217, 225, 246, 248, 269C, 294
- Dnce 153, 185, 190V, 256† (see Ed 256), 285, 290V
- Ed 256† (see Dnce 256)
- Eng 103, 105, 204, 205†, (see Jour 205), 215, 255, 256, 257E
- Haw 101, 102, 103, 201, 202
- Hist 151†, 152†, 274, 281, 282
- Hum 100, 160† (see SSci 160), 275† (see Psy 275)
- Jour 205† (see Eng 205)
- Jpns 101, 102
- Ling 102, 121† (see Anth 121), 235† (see Anth 235)
- Phil 100, 101, 120, 211, 213, 255
- Rel 150, 151, 153
- SpCo 231, 251†

AND three (3) credits from any other course listed in either Asian/Pacific or Humanities.

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

Natural Science: Ten (10) credits: nine (9) credits with one course from each of Groups 1 and 2. One of these courses must be accompanied by a one (1) credit *Natural Science* lab course.

Group 1: Biological Sciences

- Ag 200
- Biol 100/L, 101/L, 141/L, 142/L, 156/L, 171/L, 172/L
- Bot 101/L, 105, 130/L
- Micr 130/L
- Zool 101/L

Group 2: Physical Sciences

- Astr 110, 281
- BioC 241
- Chem 100/L, 151/L
- Geog 101/L
- GG 101/L
- Phys 100/L

Group 3: Other Sciences

- Geog 122, 170/L, 180/L
- Ocn 201
- Phrm 203
- Sci 124/L

Social Sciences: Twelve (12) credits from at least three different alphas:

- AJ 101, 210, 256† (see HSer/WS 256), 280
- Anth 121† (see Ling 121), 150, 200, 235† (see Ling 235)
- Asan 120†, 121†, 122†
- Econ 120, 130, 131
- Ed 105, 131
- FamR 230
- Geog 102
- HSer 110, 140, 141† (see HwSt/Subs 141), 248† (see Subs 248), 256† (see AJ/WS 256)
- PolS 110
- Psy 100, 170, 214, 230, 270, 275† (see Hum 275)
- Soc 100, 208, 218, 251, 265, 289, 290
- SpCo 260
- SSci 150, 160† (see Hum 160), 250
- Subs 141† (see HSer/HwSt 141), 248† (see HSer 248), 268
- WS 151, 256† (see AJ/HSer 256)

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

Electives (11 credits)

Any other courses offered at HawCC that are 100-200 level can be used as electives.

NOTE: Students may not use “199 or higher” courses to meet area requirements unless prior permission is given by the advisor and the Vice Chancellor for Academic Affairs.

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

Writing Intensive Courses

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

Marine Option Program (MOP)

The Marine Option Program (MOP) is a certificate program for undergraduate students at the University of Hawai'i. The program is designed to combine academic requirements with practical hands-on experience in different areas of marine interest. MOP assists undergraduate students in acquiring knowledge in a marine field of the student's choice, in addition, MOP sponsors seminars, films, field trips and short-courses on various marine-related subjects. Each year MOP convenes a Student Skill Project Symposium where selected students gain valuable experience by presenting the results of their projects. The site for the symposium rotates between UH campuses, being held on a different island each year.

MOP also facilitates marine-related activities ranging from scientific research to marine recreation. Each year MOP students are trained in wildlife management by tagging green sea turtles in an ongoing sea turtle research program carried out in cooperation with the National Marine Fisheries Service. UHH MOP also trains students in sailing and seamanship, as well as affording them the opportunity to participate in fishing, snorkeling, kayaking and other marine recreational activities.

All HawCC students are invited to take part in MOP-sponsored activities. MOP students may also choose to work toward a UH MOP Certificate by completing selected course work and a hands-on field project.

Machine, Welding and Industrial Mechanics Technologies (MWIM)

Faculty: D. Leite D. Miyashiro

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

Machine Technology Option

(The certificate services those students and employers that are interested only in Machine Technology.)

First Semester		CC	CA	AAS
Mach 20	Intro to Machine Technology	1	1	1
Mach 21	Measurement and Layout	1	1	1
Mach 22	Handtools and Benchwork	1	1	1
Mach 23	Basic Machine Tools	1	1	1
Weld 26	Basic Arc Welding	-	2	2
Weld 27	Metalworking Lab I	-	2	2
Weld 28	Metalworking	-	2	2
Weld 29	Oxy-fuel Weld, Braze and Cut	-	2	2
** Math 50	Technical Math or higher	-	-	3
** Eng	ESL 15 or Eng 21 or Eng 22 or higher-	-	-	3
TOTAL		4	12	18

Second Semester		CC	CA	AAS
Mach 24	Lathe Facing, Turning and Knurling	2	2	2
Mach 25	Lathe Shape Altering and Tapering	2	2	2
Weld 24	Measurement and Layout	-	2	2
Weld 25	Metal Fab I, Sheet Metal	-	2	2
Weld 31	Intermediate Weld	-	2	2
Weld 40	Qualification Procedures	-	2	2
Blpr 30D	Blpr Reading for Machine Trades	-	3	3
Elective	Cultural, Natural, Social Env. ††	-	-	3
TOTAL		4	15	18

Third Semester		CC	CA	AAS
Mach 26	Lathe II	6	6	6
Blpr 30B	Blpr for Welders	-	3	3
Electives	WELD or MACH electives	-	-	6
Elective	Cultural, Natural, Social Env. ††	-	-	3
TOTAL		6	9	18

Fourth Semester		CC	CA	AAS
Mach 27	Vertical Milling and Intro to CNC	4	-	4
Mach 28	Shaper, Line Bore, Lathe and Drill	2	-	2
Electives	WELD or MACH electives	-	-	8
Elective	Cultural, Natural, Social Env. ††	-	-	3
Weld 93V	CVE (optional)	-	-	-
TOTAL		6	-	17
TOTAL		20	36	71

** Meets competency requirement in mathematics or communications
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment

(continued on next page)

Welding and Sheet Metal Option

(The certificate services those students and employers that are interested only in WELD Practices.)

First Semester		CC	CA	AAS
Weld 26	Basic Arc Welding	2	2	2
Weld 27	Metalworking Lab I	2	2	2
Weld 28	Metalworking	2	2	2
Weld 29	Oxy-fuel Weld, Braze and Cut	2	2	2
Mach 20	Intro to Machine Technology	-	1	1
Mach 21	Measurement and Layout	-	1	1
Mach 22	Handtools and Benchwork	-	1	1
Mach 23	Basic Machine Tools	-	1	1
** Math 50	Technical Math or higher	-	-	3
** Eng	ESL 15 or Eng 21 or Eng 22 or higher-	-	-	3
TOTAL		8	12	18

Second Semester		CC	CA	AAS
Weld 31	Intermediate Weld	2	2	2
Weld 40	Qualification Procedures	2	2	2
Blpr 30D	Blpr Reading for Machine Trades	-	3	3
Mach 24	Lathe Facing, Turning and Knurling	-	2	2
Mach 25	Lathe Shape Altering and Tapering	-	2	2
Weld 24	Measurement and Layout	-	2	2
Weld 25	Metal Fab I, Sheet Metal	-	2	2
Elective	Cultural, Natural, Social Env. ††	-	-	3
TOTAL		4	15	18

Third Semester		CC	CA	AAS
Weld 34	Weld Fabrication	2	-	-
Weld 35	Metalworking Lab II	2	-	-
Weld 36	Gas Metal Arc Welding (GMAW)	2	-	-
Weld 37	Flux-Cored Arc Welding (FCAW)	2	-	-
Blpr 30B	Blpr for Welders	-	3	3
Weld 41	Advanced Welding	-	8	8
Electives	WELD or MACH electives	-	-	4
Elective	Cultural, Natural, Social Env. ††	-	-	3
TOTAL		8	11	18

Fourth Semester		CC	CA	AAS
Weld 50	Special Processes in Welding	-	-	8
Electives	WELD or MACH electives	-	-	6
Elective	Cultural, Natural, Social Env. ††	-	-	3
Weld 93V	CVE (optional)	-	-	-
TOTAL		-	-	17

TOTAL		20	38	71
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** Meets competency requirement in mathematics or communications
 †† Earn 9 credits total by selecting one 3-credit general elective course from each of the three areas: Cultural, Natural, Social Environment

Marketing (MKT)

Faculty: D. Kawa'auhau J. Yoshida

This program is designed for students planning a career in the field of merchandising/marketing. The competency-based curriculum is designed to prepare students for positions such as sales associate, stock clerk, display person, account assistant, assistant buyer, marketing assistant, and assistant manager and to provide basic training for possible advancement to management positions.

Course Requirements		CA	AAS
Mkt 120	Principles of Marketing	3	3
Mkt 150	Principles of Selling	3	3
Mkt 185	Principles of E-Marketing	3	3
Mkt 93V	Cooperative Vocational Education	1	1
Mkt 193A	Marketing Practicum I	2	2
Busn 89	Electronic Calculating	1	1
Busn 121	Introduction to Word Processing (or Busn 123 for AAS only)	3	3
		-	(3)
Busn 150	Intro to Business Computing	3	3
or			
ICS 101	Microcomputer Applications Software	(4)	(4)
Busn 160	Telephone Techniques & Communication	1	1
Busn 166	Professional Employment Preparation	1	1
** Busn 189	Business Mathematics	3	3
IS 55	In Focus: Template for Success	3	3
Mgt 124	Personnel Management Relations	3	3
Mkt 121	Marketing Topics	-	6
Mkt 193B	Marketing Practicum II	-	3
Acc 20	Fundamentals of Accounting I	-	3
or			
+ Ent 150	Basic Accounting for Entrepreneurs	-	(3)
Bus 20	Introduction to Business (or Bus 120 or 240 (UHH) or Busn 170 or Ent 120 or Law 30 or Phil 102)	-	3
Mkt 157	Principles of Web Design I	-	3
Eng 55	Business Communications (or Eng 209 at UHH)	-	3
Phil 101	Intro to Philosophy: Morals and Society	-	3
** SpCo	SpCo 51 or 130 or 151 or 251	-	3
Elective	Natural Environment	-	3
TOTAL		30	60

Credits in () are optional

** Meets competency requirement in mathematics or communications

+ Course pending approval

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

Nursing and Allied Health Programs

Faculty:	J. Hamasaki	K. Kotecki
	J. Moore	S. Moran
	K. Murphy	L. Nordloh
	E. Ojala	P. Pieron
	J. Sherwood	

How to Apply for Admission to the Nursing Programs

Students are admitted to the nursing program once each year and start their program in the fall semester. The application procedure is as follows:

1. Send a letter to the Director of HawCC Nursing Programs indicating your intent to apply to the Associate of Science (RN) and/or Practical Nursing Program. This letter must be received by March 1.
2. Arrange to take the National League for Nursing Pre-Admission Examination—RN or PN (NLN tests) according to the program of interest. NLN tests are administered once a year, usually in January. Pre-registration for the NLN tests is required. Information regarding NLN testing dates, times, and locations can be found on the nursing website at <http://hawaii.hawaii.edu/nursing>. NLN test scores for the current and previous year will be accepted. Contact the HawCC Division of Nursing and Allied Health for more information (808) 974-7560, PB6-103.
3. Students not currently enrolled at HawCC or another University of Hawai'i system campus must fill out a HawCC Common Application Form indicating their desire to enroll in the College the next fall semester. Students who have not been admitted to HawCC will not be considered for acceptance into the nursing programs.
4. All courses intended to be used to meet proficiency requirements and prerequisite courses must be approved by the College. HawCC and other University of Hawai'i system students should refer to their STAR Degree check via their MyUH account to determine whether they have met the proficiency and/or prerequisite requirements.
5. Transfer students are those who were previously enrolled at a college or university other than HawCC (including UHH). Non-HawCC students currently attending another UH system institution do not need to submit an official transcript from that UH system school. However, the student must submit to the HawCC Records Office the "Authorization for HawCC to Access My Unofficial Advising Document from UH System Schools" form found at http://www.hawaii.hawaii.edu/studentsvcs/frm_request_for_system_transcript.doc. Arrange to submit this form prior to the March 1 deadline. For assistance, contact a Nursing counselor in: East Hawai'i at (808) 974-7741, or West Hawai'i at (808) 322-4856.
6. Non-HawCC students who have ever attended a college/university outside of the UH system (even those currently

at a UH system school), must arrange to have an official transcript, printed in English, be sent to the Records Office directly from all non-HawCC institutions. For all institutions outside of the UH System, students must keep in their possession a course catalog or course description for all courses. Do not send this information to the Records Office. The materials submitted become the property of HawCC.

7. Students needing assistance with transferring courses from non-HawCC institutions and with completing course waiver/substitutions should contact a Nursing counselor in: East Hawai'i at 974-7741, or West Hawai'i at (808) 322-4856. Students are encouraged to complete the transfer credit process much earlier than the March 1 deadline.

Admission Requirements to the Associate in Science Degree Program

1. National League for Nursing Pre-Admission Examination-RN scores
2. Completion of the 27 semester hours of prerequisite courses with a "C" grade or better and a minimum cumulative GPA of 2.0 by the end of the spring semester prior to program entry and evidence of math proficiency by completion of Math 25X or 26 or COMPASS placement into Math 27
3. Applicants are selected for admission to the Associate of Science in Nursing Program using a point system based on grades earned (by March 1) in the required nursing support courses and AD percentile scores on the National League for Nursing Pre-Admission Exam-RN. Additional points are awarded to applicants who are Licensed Practical Nurses
4. Licensed Practical Nurses who have graduated from a state accredited LPN program, have full time equivalent employment as an LPN for at least one year, and have experience in an acute or long term care setting within the past 5 years may be eligible for advanced placement in the Associate of Science nursing program. In order to be considered for advanced placement in the LPN Transition Track, applicants must apply and be accepted into the ADN program and meet all the standard admission requirements. Upon acceptance into the ADN program, qualified LPN's will be offered the option of taking the NLN Nursing Acceleration Challenge Exam (ACE). LPN's with a decision score of 70 or above on the ACE Exam will be offered the option of bypassing Nursing 153 (Nursing Concepts & Skills) offered during the first semester of nursing courses. Students in the LPN Transition Track do need to complete all the other associate degree nursing courses. Applicants interested in the LPN Transition Track will need to submit a current nursing license and proof of employment.

Admission Requirements to the Practical Nursing Program

1. National League for Nursing Pre-Admission Examination-PN scores
2. Cumulative college GPA of 2.0 by the end of the spring semester prior to entry, if attended college previously
3. Proficiency in reading, writing and mathematics as evidenced by completion of courses or placement test scores
4. Applicants are selected for admission to the Practical Nursing Program using a point system based on percentile scores on the National League for Nursing Pre-Admission Exam-PN.

Nursing, Associate in Science Degree in Nursing (NURS)

This program prepares students to take the state licensure examination (NCLEX) for registered nursing with an option to take the practical nursing state licensure examination if they desire. Graduates are qualified to work in hospitals, long-term care facilities, and community based settings.

The Associate of Science Degree program requires four semesters of course work in nursing (42 credits) and 30 credits of non-nursing prerequisite and co-requisite courses for a total of 72 credits.

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

Entry Requirements

Proficiency in reading, writing, and mathematics is recognized as essential for a successful nurse. Entry levels for reading, writing, and mathematics for prerequisite courses are:

Subject Area	Course Completion	or	Placement into course
Mathematics	Math 25X or 26		Math 27
Reading	Eng 21		Eng 102
Writing	Eng 22 or ESL 15		Eng 100

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

Year 1		AS
Biol 141	Human Anatomy/Physiology I	3
Biol 141L	Human Anatomy/Physiology I Lab	1
Psy 100	Survey of Psychology	3
Eng 100	Expository Writing	3
SpCo 151	Intro to Speech & Comm.	3
Anth 200†	Cultural Anthropology	3
Biol 142	Human Anatomy/Physiology II	3
Biol 142L	Human Anatomy/Physiology II Lab	1
Micr 130	Microbiology	3
Micr 130L	Microbiology Lab	1
FamR 230	Human Development	3
Phrm 203	General Pharmacology	3
TOTAL		30

Year 2		AS
Fall Semester		
Nurs 151	Mental Health Nursing	2
+ Nurs 153	Nursing Concepts and Skills	8
Nurs 158	Issues and Trends I	1
TOTAL		11
Spring Semester		
Nurs 157	Adult Health Nursing	10
TOTAL		10
Year 3		AS
Fall Semester		
Nurs 254	Family Health Nursing Care I	5
Nurs 255	Family Health Nursing Care II	5
TOTAL		10
Spring Semester		
Nurs 257	Advanced Adult Health Nursing	5
Nurs 260	Nursing Management	2
Nurs 251	Mental Health and Psychiatric Nursing	3
Nurs 258	Issues and Trends II	1
TOTAL		11
TOTAL		72

+ Bypass on LPN Transition Track

† Corequisite support course that may be taken either prior to admission or during the nursing program.

The Associate in Science Degree program is approved by the Hawai'i Board of Nursing and accredited by the National League for Nursing Accrediting Commission (NLNAC). The NLNAC may be contacted at nlnac@nlm.org or by writing to 61 Broadway, 33rd Floor, New York, NY 10006; 1-800-669-1656. Transfer agreements exist with the University of Hawai'i at Hilo and University of Hawai'i at Mānoa baccalaureate nursing programs allowing interested and qualified associate degree graduates to pursue a Bachelor of Science in Nursing at UHH or UHM.

Nursing, Practical (PRCN)

This program prepares students to take the state examination for licensure as licensed practical nurses. Practical nurses work under the guidance of a physician and/or registered nurse.

The certificate consists of 6 semester hours of non-nursing support courses and 34 semester hours of nursing courses; 40 semester hours in all. The program is 40 weeks long and includes 2 semesters and a summer session.

Entry Requirements

- Proficiency in reading, writing and mathematics is recognized as essential for a successful nurse.
- Proficiency levels in reading, writing, and mathematics are required to register for some or all of the Program courses:

<u>Subject Area</u>	<u>Course Completion</u>	or	<u>Placement into course</u>
Mathematics	Math 25 or 25X or 26		Math 27
Reading	Eng 21		Eng 102
Writing	Eng 22		Eng 100

Fall Semester		CA
Nurs 120	Practical Nursing I	13
Sci 51†	Basic Science for Health Occupations	3
	TOTAL	16
Spring Semester		CA
Nurs 122	Practical Nursing II	14
FamR 230	Human Development	3
	TOTAL	17
Summer		CA
Nurs 128	Maternity Nursing	3
Nurs 126	Child Health	3
Nurs 101	Personal Vocational Relations	1
	TOTAL	7
	TOTAL	40

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

† Biol 141 and 142 may be substituted for Sci 51

Medical Office Assistant Certificate of Completion

Acc 20	Fundamentals of Accounting I	3
Busn 84	Medical Transcription	3
Busn 89	Electronic Calculating	1
Busn 150	Intro to Business Computing	3
Busn 160	Telephone Techniques and Communication I	1
Busn 166	Professional Employment Preparation	1
Hlth 31	First Aid and Safety	1
IS 55	In Focus: Template for Success	3
+ Nurs	Special Topics (lecture/lab)	2
Nurs 110	Introduction to Medical Terminology	2
Sci 51	Basic Science for Health Occupations	3
	TOTAL	23

+ Course pending approval

Nursing, Adult Residential Care Home Operator (CHO)

Prerequisite: Nurses' Aide OBRA Certification

Upon completion of a Nurses' Aide course and passing the OBRA certification exam for Nurses' Aides, students may enroll in the Adult Residential Care Home Operator (CHO) courses. As of Spring 2009, the CHO requirements will be increased to 4 credits; along with Nurs 12, 13, and 14, an additional one-credit course will be offered. Upon completing the prescribed CHO course work, students will receive a certificate of completion and be eligible for licensure by the State Department of Health as a Care Home Operator.

- Nurs 12 - Common Diseases, Medicines, Special Diets (1)
- Nurs 13 - Helping Therapies & Behavior Management (1)
- Nurs 14 - ARCH Regulations, Accounts, Community Resources (1)

Upon request, students who have completed the HawCC non-credit Nurses' Aide course can convert it to 8 credits (Nurs 16) towards earning a Certificate of Completion in CHO. As of Fall 2005, due to changes in the number of hours in the Nurses' Aide course, students will need to take additional credits in order to earn the Certificate of Completion in CHO.

Interested Registered Nurses and Licensed Practical Nurses can enroll in the Nurs 15 course to prepare for licensing as Care Home Operators.

- Nurs 15 - ARCH Regulations and Record Keeping (2)

Nurses' Aide

This course is designed to prepare Nurses' Aides to work in hospitals, long-term care facilities, clinics, and private homes. Basic nursing procedures are taught through formal classes, supervised laboratory practice and clinical experience in hospitals and/or long-term care settings, and private homes. Students successfully completing this course are eligible to take the OBRA certification exam.

Students enrolling in this course are required to have current CPR/First-Aid certificate, evidence of TB clearance (within 3 months), physician clearance, and a raw score above 50 on the COMPASS reading placement test. Students must be covered by group malpractice insurance while in the clinical area.

This course is not part of the regular Nursing curricula. Contact the Office of Continuing Education and Training at (808) 974-7531 for further information.

Substance Abuse Counseling (SUBS)

A 21-credit Certificate of Completion in Substance Abuse Counseling is offered for students interested in a career in substance abuse counseling. Credit and non-credit courses are offered for in-service substance abuse, human service, and criminal justice professionals seeking to develop and/or upgrade their skills in working with individuals and families who suffer as a result of chemical abuse or dependency. Students who successfully complete these courses are eligible to receive additional studies and/or fieldwork hours that can apply towards obtaining a State Substance Abuse Counseling Certificate as required by the State of Hawai'i Department of Health Alcohol and Drug Abuse Division (ADAD), the National Alcoholism and Drug Abuse Counselor Credentialing Board, and the International Certification and Reciprocity Consortium. Students completing the CC in Substance Abuse Counseling along with an associate's degree are eligible to receive 2,000 hours toward the ADAD Substance Abuse Certification.

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Satisfy the addiction studies educational requirement for ADAD certification.
- Articulate medical, social, and psychological aspects of addiction.
- Apply the Twelve Core Functions of the Alcohol and Drug Abuse Counselor.
- Perform basic individual, group counseling, and interviewing skills.
- Articulate the stages of the treatment process.
- Practice within the legal/ethical parameter of the SUBS counseling profession.
- Initiate interventions congruent with the values of the chemically dependent client.
- Reflect on personal traits, values, and issues that may enhance or interfere with his/her effectiveness as a counselor.
- Develop career plans for entry-level positions in substance abuse treatment, human services, and criminal justice agencies that service substance abusing populations.

Entry Requirements

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

Subject Area	Course Completion	or Placement into course
Reading	Eng 21	Eng 102
Writing	Eng 22 or ESL 15	Eng 100

Substance Abuse Counseling Requirements

First Semester	CC
Subs 140 Individual Substance Abuse Counseling	3
Subs 268 Survey of Substance Abuse Problems	3
Subs 294 Substance Abuse Practicum I	3

Second Semester

Subs 245	Group Counseling	3
Subs 270	12 Core Functions of Subs Abuse Counseling	3
Subs 295	Substance Abuse Practicum II	3
Elective	(Choose from below)	3

TOTAL **21**

Electives - Any one (3 credits) of the following courses:

- AJ 101, 208, 210, 280, 285
- FamR 230
- HSer 110
- HwSt 221
- Phrm 203
- Psy 100, 170, 275
- Soc 100, 218, 251, 290
- Subs 141, 248, 262, 275, 280

Tropical Forest Ecosystem and Agroforestry Management (TEAM)

Students learn to actively manage Hawai'i's native forest ecosystems, grow native plants, establish agroforestry operations, use Global Positioning Systems (GPS), and Geographic Information Systems (GIS). Internships give students on-the-job training with potential employers. For more information (808) 974-7537, or e-mail forteam@hawaii.edu or check the website <http://web.hawcc.hawaii.edu/hawcc/forestteam>

Program Learning Outcomes

Upon successful completion, students are prepared to:

- Apply basic eco-system concepts to natural resources.
- Use an understanding of general science concepts to apply experimental designs.
- Use knowledge of applicable laws and regulations to make decisions about managing ecosystems.
- Apply effective interpersonal and communication skills.
- Recognize, collect, and interpret field data.
- Apply effective management practices to commercial or conservation efforts.

First Semester	CA	AS
ICS 101 Microcomputer Applications Software	4	4
Eng 102 College Reading Skills	3	3
Ag 175 Agroforestry	3	3
Ag 175L Agroforestry Lab	1	1
** Math 120 Trigonometry for Surveying	4	4
TOTAL	15	15

Second Semester	CA	AS
** Eng 100 Expository Writing	3	3
Chemistry Chem 100 or higher	3	3
Geog 170 Forest Ecosystem Surveying, Inventorying, and Monitoring	3	3
Geog 170L Forest Ecosystem Surveying, Inventorying, and Monitoring Lab	1	1
HwSt 125 Hawaiian Plants and Their Uses	3	3
Biol 156 Natural History of the Hawaiian Islands	3	3
Biol 156L Natural History of Hawaiian Islands Lab	1	1
TOTAL	17	17

Summer		CA	AS
Ag 190V	Internship	-	1-4
Third Semester		CA	AS
Biol 101	General Biology (or Bot 101 or Zool 101)	-	3
Biol 101L	General Biology Lab (or Bot 101L or Zool 101L)	-	1
Ag 130	Agroforestry & Forestry Bus Mngt	-	3
Sci 124	Introduction to Environmental Science	-	3
Sci 124L	Introduction to Environmental Science Lab	-	1
Geog 180	Geographic Information Systems in Forest Ecosystem Management	-	3
Geog 180L	Geographic Information Systems in Forest Ecosystem Management Lab	-	1
	TOTAL	-	15
Fourth Semester		CA	AS
Ag 291	Forest Restoration Ecology and Ecosystem Management Practicum	-	3
SpCo 151	Introduction to Speech and Communication	-	3
Ag 245	Tropical Silviculture and Forest Plant Propagation	-	3
Ag 245L	Tropical Silviculture and Forest Plant Propagation Lab	-	1
Ag 275	Forest Pest Management	-	3
Ag 275L	Forest Pest Management Lab	-	1
	TOTAL	-	14
	TOTAL	32	62-65

** Meets competency requirement in mathematics or communications

Program Advisory Councils

The vocational-technical programs at HawCC are an integral part of the local community and reflect its day-to-day life. Close cooperation among the faculty, employers, and employees in the community is maintained. One of the most effective formal means of providing for this type of cooperation is the Program Advisory Council. These groups are appointed by the Provost and advise the program of training needs and new developments in the field. Councils include employers, alumni, and others knowledgeable about the field.

Administration of Justice

Charlene Iboshi, Senior Deputy Prosecuting Attorney, Office of the Prosecuting Attorney
 Alan Kimura, Community Relations Officer, Hawaii County Police Department
 Barbara Lively, AJ Graduate and Administrative Assistant to Councilman Bob Jacobson
 Polly Varize, Adult Probation Officer, Third Circuit Court of the State of Hawaii
 Mitch Roth, Senior Deputy Prosecuting Attorney, Office of the Prosecuting Attorney
 Kathy Wheelless, Sergeant, Adult Corrections, Hawaii Community Correctional Center

Agriculture

Greg Branco, Nursery Supervisor, County of Hawaii
 Linda Burnham-Larish, Entomologist, State of Hawaii Health Department

Architectural, Engineering and CAD Technologies

Rodney Chinen, Owner/Manager, Hubs Hawaii Inc.
 Anthony Fukuoka, Project Manager, Durrant Media Five
 Alan Inaba, License Land Surveyor, Inaba Engineering Inc.
 James M. McKeague, AIA, James M. McKeague Architect & Associates

Auto Body Repair and Painting

Garrett Fujioka, Owner, Concept Auto Refinishing
 Harriet Hamada, Claim Representative, State Farm Insurance
 Ben Legaspi, Manager, Hawaii Collision Center
 Gary Nakamura, Owner, Ron's Auto Body & Paint
 Randall Yoneda, Paint Department Supervisor, Automotive Supply Center

Automotive Mechanics Technology

Stacy Akao, City Maintenance Manager, Hertz Rent-A-Car
 Wesley Ferreira, Senior Sales/Marketing Executive, Automotive Supply Center
 Thomas Haraguchi, Retired Service Manager, Big Island Toyota
 Kent Nouye, Owner/Manager, Bayside Chevron Service
 Mark Nishioka, Service Manager, Orchid Isle Auto Center
 Louis Perreira, Jr., Technician, Rannikks Auto Specialists
 Jeffrey Quebral, Service manager, Kona Auto Center
 Jason Voloria, maintenance Manager, Alamo Rent A Car

Business Technology

Pamela Arai, Administrative Assistant, HELCO
 Gabriella Cabanas, Personnel Program Specialist, County of Hawai'i, Department of Civil Service
 Doris Chang, Secretary to the Chancellor, Hawai'i Community College
 Anne Chung, Business Education Instructor, Career and Technical Education, Hilo High School
 Seth Murashige, Owner, Innovative Employment Services, LLC
 Janet Okino, Employment Recruitment, Hilo Medical Center
 Art Taniguchi, Vice President/Regional Manager, Bank of Hawaii

Carpentry

Larry Bianchi, Vice President, ABC Interiors
 Conrad Hokama, Vice President, Alumside Products, Inc.
 Kehaunani Masaki, Building Inspector, County of Hawaii Building Department
 Robert Meierdiercks, Business Agent, Carpenter's Union Local 745
 Terence Nakamura, Business Agent, Carpenter's Union Local 745
 Glenn Ogawa, Vice President, Stan's Contracting Inc.

Culinary Arts - Hilo

Pat Dacanay, Retired Culinary Instructor, Hawai'i Community College
Soontaree Gervais, Owner, Soontaree's Restaurant (Hawai'i Community College Graduate)
Richard Ha, CEO/President, Hamakua Springs Country Farms
Jim O'Keefe, Master Baker/Owner, O'Keefe & Sons Bread Bakers
Michael Rehmen, Food and Beverage Director, Hilo Hawaiian Hotel
Sylvia Respicio, Distributor/Sales Consultant, Suisan Co.

Culinary Arts - West Hawai'i

James Babian, Executive Chef, Four Seasons Resort
Carret Cho, Corporate Chef, DK Restaurants
Edwin Goto, Executive Chef, Mauna Lani Resort
Casey Halpern, Chef, Café Pesto
Jackie Lau, Executive Corporate Chef, Roy's Restaurants
George Mavrothalassitis, Chef/Owner, Chef Mavro
Peter Merriman, Owner, Hula Grill Kaanapali
Jim O'Keefe, Master Baker/Owner, O'Keefe & Sons Bread Bakers
Kenny Omiya, Executive Chef, Hilton Waikoloa Village
Michael Rehmen, Food and Beverage Director, Hilo Hawaiian Hotel
Steven Rouelle, Executive Sous Chef, Fairmont Orchid
Pier Wigmans, Executive Chef, Mauna Kea Beach Hotel and Hapuna Beach Prince Hotel
Alan Wong, Chef/Owner, Alan Wong's Restaurant

Diesel Mechanics

Angel Allas, Fleet Manager, Castle & Cooke Hawaii
Sam Gray, Owner, Precision Fuel Injection, Inc.
Eugene Lyman, A & B Fleet
Dennis Rose, Owner, Power Generation Services
Kelvin Kohatsu, Fleet Manager, HELCO Inc.
Kimo Padello, Service Manager/Product Support, Hawthorne Pacific Corp.

Digital Media Arts

GB Hajim, CEO/Owner, Screaming Wink Productions, LLC
Meidor Hu, Instructor, Digital Media Arts Program, Hawai'i Community College
Scott Lee
John Mason, Film Commissioner, Big Island Film Office
Trina Nahm-Mijo, Professor, Hawai'i Community College
Jensen Nihei, CEO, Five By Five, LLC
James Rubio, Co-owner/Designer, Techy 3 Studio
Laurent Scallie, President, Atlantis Cyberspace
Mark Watanabe, Instructor, Keaau High School
Susan Yugawa, Graphics Coordinator, Graphics Department, University of Hawai'i at Hilo
Kuhao Zane, Chief Operating Director/Designer, Sig Zane Designs
Sig Zane, Owner, Sig Zane Designs

Early Childhood Education

Monica Cantyne, Head Start Teacher, Puueo Head Start
Michele Costa, Special Education Teacher, Easter Seals
Smith Kaleohano IV, Keiki Steps Site Coordinator, INPEACE
Michelle Kitagawa, Director, Hilo Hongwanji Preschool
Christy Sahagon-Zimmer, Kamehameha Preschool Early Childhood Division
Shana Young, East Hawaii Program Representative, PATCH

Electrical Installation and Maintenance Technology

Gilbert Aguinaldo, Big Island Electrical Service
Renee Dela Cruz, Lecturer, Hawai'i Community College ATE Division
Wayne Fukunaga, Owner, Fukunaga Electrical
Reid Furutani, Owner, Able Electric, Inc.
Tracy Hayashi, Assistant Training Director, Hawaii Electrical IBEW
John Kimura, President, J.K. Electric, Inc.
Clyde Nagata, Retired Manager, Engineering Dept., HELCO, Inc.
Anthony Smith, Manager, Alpha Electric Supply Co.

Electronics Technology

Stephen Hatada, Owner, Hatada's TV Inc.
Dave Okamura, Radio Shop Supervisor, Hawaii Electric Light Co., Inc.
Blaine Oyama, Systems Engineer Manager, Oceanic Time Warner Cable
Chris Stewart, Independent RF Consultant
Michael Texeira, Owner, Business Automation
Kent Tsutsui, Traffic Electrical Engineer, County of Hawaii, Division of Public Works
John Wong, Technician, Verizon Hawaii

Hawaiian Life Styles

Hokulani Holt-Padilla, Cultural Programs Director, Maui Arts & Cultural Center
Sissy Lilinoe Ka'io, Kumu Hula, Hula Hālau o Lilinoe
Lilikala Kameelehiwa, PhD, Director, University of Hawai'i at Mānoa – Center for Hawaiian Studies
Gail Makuakane-Lundin, Director, Kīpuka Native Hawaiian Student Center
Lehua Veincent, Principal, Keaukaha Elementary School

Hospitality and Tourism

Jean Hull, Culinary Arts Consultant
Adi Kohler, Former GM, Mauna Lani Resort
James O'Keefe, Owner, O'Keefe & Sons Bread Bakers
Carrie Phipps, Health Educator, State of Hawaii
Wilhelm Pirngruber, Executive Chef, Hilton Waikoloa
Diane Quitiquit, VP of Marketing, Parker Ranch
Cathy Smoot-Barrett, Owner, Kailua Candy Co.
Daniel Thiebaut, Owner, Daniel Thiebaut Restaurant

Human Services

Mary Correa, Complex Area Superintendent, Department of Education, Hawaii District Office
Marlene Fernandez, Human Services Graduate
Willie Kalei, Community Social Worker, Queen Liliuokalani Children's Center - Hilo Unit
Eric Kapono, Entrepreneur, Grant Writer, Facilitator, Organizer, Advancement Services
Carla Kurokawa, Employment and Training Manager II, Alu Like - Hawaii Island Center
Kathleen Nielsen, GCDFI, Branch Manager, Goodwill Industries of Hawaii, Hilo

Information Technology

Linda Nako, Systems Analyst V, Hawaii Police Department
Polly Roth, AURA-Gemini Observatory
Lon Taniguchi, Vice-President of Information Technology, KTA Superstores
Shane Vasconcellas, Information Technology Specialist, 'Imiloa Astronomy Center of Hawai'i
Clayton Yugawa, Director, Data Systems Department, County of Hawai'i

Machine, Welding & Industrial Mechanics Technologies

Kyle Kinoshita, Mechanical Engineering Manager, Keck Observatory
Ron Koehler, Manager, Mauna Kea Observatories Support Services
Kelvin Kohatsu, Fleet Coordinator, HELCO Inc.
Glenn Kotomori, Manager, BOC Gases/Gaspro, Inc.
Tom Shindo, Owner, Hilo Mechanical Inc.
Leonard Tanaka, Owner, T&T Electric, Inc.
Arnold Tengan, Owner, Hilo Steel Works
Norman Uchida, Production Supervisor, HELCO, Inc.

Marketing

Colleen Aina, Pinky's
Allan K. Ikawa, President, Big Island Candies, Inc.
Kelly Kalima, Human Resource Manager, Macy's
Derek Kurisu, Executive Vice-President, KTA Superstores
George Leonard, Owner, Waterfalls Inn Bed and Breakfast
Susan Yugawa, Graphics Coordinator, University of Hawai'i at Hilo

Substance Abuse Counseling

Randy "Kaipo" Like, Certified Substance Abuse Counselor, Clinical Supervisor, Hui Ho'ola O Na Nahulu O Hawai'i
Brandee Menino, Administrator, Office for Social Ministries
Reinette "Ipo" Morgan, Certified Substance Abuse Counselor, Co-occurring Disorders, Care Hawaii
Valerie Poindexter, Administrator, Lokahi Treatment Centers

Nursing

Jean Abe, Director of Nursing, Hale Ho'ola Hamakua
Pam Akin, VP Patient Care Services, North Hawaii Community Hospital
Allyson Andrews-Nelson, Director of Nursing, Life Care Center of Hilo
Dan Brinkman, Regional Chief Nurse Executive, Hilo Medical Center
Susan Hunt, Executive Director, Hamakua Health Center
Pat Kalua, Chief Nurse Executive, Kona Community Hospital
Kelly Nases, Director of Nursing, Hale Anuenue Restorative Care Center
Ana Silva, Utilization Review, Kona Community Hospital, Education Office
Shirley Yamaoka-Greig, Life Care Center of Hilo

Tropical Forest Ecosystem & Agroforestry Management

Dr. Paul Banko, USGS Scientist, Pacific Island Ecosystems Research Center
Dr. J.B. Friday, Extension Forester, Cooperative Extension Svc, UH College of Tropical Agriculture & Human Resources
Katie S. Friday, Associate Pacific Islands Forester, USFS/PIFI
James Glynn, Manager, Hakalau Forest National Wildlife Refuge/USFWS
Lisa Hadway, Natural Areas Specialist DOFAW/DLNR
Dr. Francis G. Howarth, Entomologist, Department of Natural Sciences, Bishop Museum
Wayne Kanemoto, Hawaii County Workforce Development Board
Leila Kealoha, Teacher, Kua O Ka La Charter School
John Kekua, Director, Kekua Foundation
Nicholas Koch, Research Forester, Forest Solutions Inc.
Charles Kunz, Workforce Development Division, Department of Labor and Industrial Relations
Reese Libby, Extension Agent, Natural Resources Conservation Service
Rhonda Loh, Chief Resources Manager, HAVO NP
Eldridge Naboa, Nature Conservancy Preserve Manager
Dr. Rebecca Ostertag, Professor, Department of Biology, University of Hawai'i at Hilo
Mike Robinson, Land Management Division, Department of Hawaiian Home Lands
Dr. William Steiner, Dean, College of Agriculture, Forestry and Resource Management, University of Hawai'i at Hilo
Deborah Ward, Associate Professor, Retired 4-H County Extension Agent, CTAHR Extension Service
Ed Winkler, Hawaii Forest Industry Association
Aileen Yeh, Hawaii Agriculture Research Center
Dr. Yi Qing-Li, Professor, College of Agriculture, Forestry and Resource Management, University of Hawai'i at Hilo
Sharon Ziegler-Chong, Director, Pacific Internship Programs for Exploring Science, University of Hawai'i

Non-Credit Course Listings

Intensive English Program

The Intensive English Program (IEP) at Hawai'i Community College provides comprehensive support services to non-native English learners. The IEP offers 20 hours a week of academic English language instruction in reading, writing, listening, speaking, and grammar skills. Grading for these courses is mandatory pass/no-pass (P/NP).

Students learn the skills they need to study in an American university. Students who complete the IEP can enter credit classes at Hawai'i Community College without a TOEFL score.

For more information about the IEP and tuition, contact the Coordinator at (808) 933-0807. Or view information online at <http://www.hawaii.hawaii.edu/iep>

How to Read the Non-Credit Course Listings

The listing of courses adheres to the following format:

Alpha Number—Course Title (Units)

PreReq: Courses required before enrolling in this course

Description of course. (number of lecture and/or lab hours class meets per week for 8 weeks.)

English For Speakers of Other Languages

ESOL 10A—Writing/Grammar 1 (0)

This is a beginning-level course focusing on the basic structures of academic writing at the sentence and paragraph level. Students will also be introduced to the basics of English grammar using a variety of written and oral exercises and tasks. (3 hrs.)

ESOL 10B—Writing/Grammar 2 (0)

PreReq: ESOL 10A

This is a high beginning-level course focusing on the basic structures of academic writing at the paragraph level. Students also refine the basics of English grammar using a variety of written and oral exercises and tasks. (3 hrs.)

ESOL 10C—Writing/Grammar 3 (0)

PreReq: ESOL 10B

This is a low intermediate-level course focusing on the building of strong foundations in academic writing, from sentence structure to essay writing. Students also practice recognizing and using the grammatical structures needed to function in an academic environment. (3 hrs.)

ESOL 10D—Writing/Grammar 4 (0)

PreReq: ESOL 10C

This is an intermediate-level course designed to introduce and practice the structure of academic writing commonly found in American colleges and universities. Students will also review and practice the grammatical structures they will need to function in an academic environment. (3 hrs.)

ESOL 20A—Reading 1 (0)

This is a beginning-level course designed to help students develop basic reading skills and vocabulary. Students practice basic reading comprehension skills and learn strategies to build vocabulary. (3 hrs.)

ESOL 20B—Reading 2 (0)

PreReq: ESOL 20A

This is a high beginning-level course designed to improve reading comprehension skills and build a basic-level vocabulary. Students are introduced to extensive reading, and reading for pleasure. (3 hrs.)

ESOL 20C—Reading 3 (0)

PreReq: ESOL 20B

This is a low intermediate-level course designed to enhance academic reading skills. Students practice reading for a variety of reasons, such as reading for specific information, general information, and pleasure. This course also focuses on vocabulary-building and the skills needed to make students independent readers. (3 hrs.)

ESOL 20D—Reading 4 (0)

PreReq: ESOL 20C

This is an intermediate-level course in which students build the reading skills they need to access academic and other authentic texts. This course continues to focus on vocabulary-building and the skills needed to make students independent readers. (3 hrs.)

ESOL 30A—Listening/Speaking 1 (0)

This course is designed to develop students' ability to communicate and conduct daily affairs in an English-speaking environment. It focuses on developing fundamental language skills and developing the ability to speak and understand a variety of subjects with some accuracy and fluency. In addition, students meet with conversation partners once a week outside of class time. (3 hrs.)

ESOL 30B—Listening/Speaking 2 (0)

PreReq: ESOL 30A

This is a high beginning-level course designed to develop the ability to communicate and conduct daily affairs in an English-speaking environment. It focuses on integrating fundamental language skills and expanding the ability to speak and understand a variety of subjects with accuracy and fluency. In addition, students meet with conversation partners once a week outside of class time. (3 hrs.)

ESOL 30C—Listening/Speaking 3

PreReq: ESOL 30B

This is a low intermediate-level course designed to develop the skills necessary to function in an academic environment. The class introduces the basics in note-taking and outlining. Students are asked to give formal and informal speeches. In addition, students meet with conversation partners once a week outside of class. (3 hrs.)

ESOL 30D—Listening/Speaking 4 (0)

PreReq: ESOL 30C

This is an intermediate-level course designed to develop complex listening skills necessary to function in an academic environment. Students are exposed to college and community lectures during which they practice taking notes. They summarize information and give verbal reports. There are a number of group projects included. Students are asked to give formal and informal speeches. In addition, students meet with conversation partners once a week outside of class. (3 hrs.)

Credit Course Listings

Cooperative Vocational Education

Course Numbers: 93V, 193V (Variable)

PreReq: Consent of CVE Coordinator and Program Advisor

Programs participating in Cooperative Vocational Education are identified by the course numbers ending in 93. CVE allows students to earn income and college credit while learning on the job. Training stations are selected according to the student's career objectives. Seminars and experiences on the job are planned and supervised by the CVE Coordinator, program instructors, and the employer. The maximum number of credits that can be earned is 24. The maximum number of credits applicable to a degree is determined by each program. Grading for CVE courses is mandatory credit/no-credit (CR/NC).

Independent Studies/Directed Studies

Course Numbers: 99, 199, 299 (1-3 variable credits)

Students may earn academic credits through Independent/Directed Studies in any of the areas in which credit courses are offered or to pursue other individual academic interests not included in credit courses.

Forms are available in the A&R, Manono Campus, Bldg. 378 or the WHSS Office in Kealahou, and must be completed prior to registration. Independent/Directed Studies require:

- 1) sponsorship of the appropriate instructor;
- 2) a description of the work to be undertaken;
- 3) approval of the appropriate division chairperson; and
- 4) permission of the Vice Chancellor for Academic Affairs.

A description of the work to be undertaken must contain: an outline of the study topic, specification of the work to be done, the type and frequency of faculty-student contact, the amount of credit to be given, and a statement of the evaluative criteria to be used by the faculty member.

For Independent/Directed Studies:

1. A student may register for not more than six (6) semester hours of Independent/Directed Studies per semester with not more than six (6) semester hours granted for any single course.
2. Independent/Directed Studies may be used as electives.
3. Independent/Directed Studies may not be used to meet area/program requirements unless prior permission is given by the advisor and the Vice Chancellor for Academic Affairs. (Policy Haw 5.602)

Learning Communities

Learning Communities, an innovative approach to educational delivery, emphasize integrated, interdisciplinary learning through a wide range of activities including field trips, study groups, book seminars, simulations, videotaping, and projects which enliven the learning environment. In a Learning Community, courses are clustered around a common theme to provide a focus for the semester's exploration and integration by a team of faculty and students. Each cluster of courses has at least one course which fulfills a core or area requirement. Learning Communities are designed to introduce students to various academic subjects, to support students in making connections amongst those subjects, to encourage students to apply knowledge gained in the classroom to their daily lives, and to support students' involvement in learning.

How to Read the Course Listings

The listing of courses adheres to the following format:

Alpha Number—Course Title (Units)

PreReq: Courses/placement test levels required before enrolling in this course

CoReq: Other courses in which student must be concurrently enrolled at the time of enrolling in this course

Recommended: Preparation recommended before enrolling in this course

Description of course. (number of lecture and/or lab hours class meets per week for 15 weeks. In some cases classes may meet for less than 15 weeks. If so, this will be indicated in the Schedule of Classes.)

Accounting

Acc 20—Fundamentals of Accounting I (3)

PreReq: ESL 9 or Eng 20R or Eng 51 or placement in Eng 21

Basic principles of accounting; the accounting cycle; journals, ledgers, worksheets and financial statements. Utilizes forms and procedures predominant in manual bookkeeping and accounting systems. (3 lec hrs.)

Acc 28—Practical Accounting Applications (3)

PreReq: "C" or better in Acc 20

CoReq: OAT 34 or OAT 36 or ICS 101 (or prior completion of any)

A practical accounting course in which students will apply previously acquired accounting skills and knowledge to set up/maintain accounting records using publisher's manual practice sets and integrated accounting software. Topics include processing journal entries, general ledger, accounts receivable, accounts payable, inventory, payroll, financial statement analysis, conversion to an automated system. (3 lec hrs.)

Acc 124—Principles of Accounting I (3)

PreReq: "C" or better in Acc 20; and Eng 21 or placement in Eng 102
CoReq: Bus 55 B,C,D,E (or prior completion of any)

Accounting theory and methods used to record and report financial information for services and merchandising businesses. Topics include steps in the accounting cycle and use of basic financial statements. This is first in a series of accounting courses (ACC 124, 125, 126) that include subject matter customary to introductory financial accounting courses numbered at the 200-level. (3 lec hrs.)

Acc 125—Principles of Accounting II (3)

PreReq: "C" or better in Acc 124 or "C" or better in Acc 201
CoReq: Bus 55 E,F,G (or prior completion of any)

A continuation of financial accounting methods used to record and report financial information. Topics include a detailed study of balance sheet accounts, preparation of the statement of cash flows, and financial statement analysis. This is second in a series of accounting courses (ACC 124, 125, 126) that include subject matter customary to introductory financial accounting courses numbered at the 200-level. (3 lec hrs.)

Acc 126—Principles of Accounting III (3)

PreReq: "C" or better in Acc 125 or "C" or better in Acc 201

Introduction to managerial accounting and methods used to report and analyze financial performance to decision makers internal to the firm. Topics include cost accounting, budgeting, standard cost systems, breakeven analysis, and ratio analysis. Third in a series of accounting courses (ACC 124, 125, 126) that includes subject matter customary to introductory managerial accounting courses numbered at the 200-level. (3 lec hrs.)

Acc 130—Hospitality Accounting I (3)

PreReq: "C" or better in Eng 21 or "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100 or placement in Eng 102 or "C" or better in Acc 20

This course provides a basis for understanding hospitality accounting procedures, the processing of hospitality financial data, and the flow of financial information in the accounting cycle that results in the production of financial statements. Students receiving 69% or better on the final examination will be issued a certificate from the Educational Institute of the American Hotel and Motel Association. (3 lec hrs.)

Acc 132—Payroll and HI Gen Excise Taxes (3)

CoReq: Acc 20 (or prior completion with a "C" or better); and placement in Eng 102 (or "C" or better in Eng 21)

Introduction to preparation and maintenance of payroll and personnel records and the Hawaii General Excise and Use Tax. Emphasis is on the principles and basic rules and regulations governing the preparation and filing of Federal and Hawaii state payroll and General Excise and Use forms. Course is offered Fall only. (3 lec hrs.)

Acc 134—Income Tax Preparation (3)

PreReq: "C" or better in Acc 20; and "C" or better in Eng 21 or placement in Eng 102

Introduction to preparation of federal and state of Hawaii individual income tax returns with an emphasis on tax principles and their application to the proper and effective preparation of tax return forms. Course is offered Spring only. (3 lec hrs.)

Acc 150—Using Computers in Accounting (3)

PreReq: "C" or better in Acc 20; and "C" or better in Eng 21 or placement in Eng 102

A practical "hands-on" accounting course designed to apply the student's knowledge of fundamental accounting principles in a computerized environment. Emphasis will be placed on the application of a computerized general ledger package to the accounting cycle, including processing journal entries, general ledger, accounts receivable, accounts payable, payroll, and financial statement analysis. Students will maintain accounting records on the computer using a commercial or educational accounting software package. (3 lec hrs.)

Acc 155—Spreadsheets in Accounting (3)

PreReq: "C" or better in Acc 20; and "C" or better in Eng 21 or placement in Eng 102

A hands-on accounting course designed to help students apply the knowledge of the accounting process to a computerized environment using an electronic spreadsheet. (3 lec hrs.)

Acc 193A—Accounting Practicum I (2)

PreReq: OAT 21B,C,D and Bus 55B

CoReq: Acc 124 or prior completion

This is a capstone for students completing coursework in basic business skills. It provides students an opportunity to gain experience in a business environment as they use skills and knowledge from coursework to perform meaningful productive tasks. (1 lec hr., 4 prac hrs.)

Acc 193B—Accounting Practicum II (3)

PreReq: Acc 193A

CoReq: Acc 126 and Acc 150 and Acc 155 (or prior completion of any)

Provides accounting majors with the opportunity to integrate the knowledge and skills they have acquired into the work environment as they complete meaningful productive tasks. Additionally, students will complete a capstone project that requires them to utilize their critical thinking skills in synthesizing previous course work and extend and develop their own original ideas. (1 lec hr., 8 prac hrs.)

Acc 201—Elementary Accounting I (3)

PreReq: "C" or better in Eng 21 or "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100 or placement in Eng 102

An introduction to accounting theory including the functions of financial accounting and the uses and limitations of accounting information. Students will be introduced to various accounting topics relating to how financial accounting information is recorded, classified and summarized. Whenever possible, real world applications will be illustrated to give the student an understanding of how the topics relate to everyday use. (3 lec hrs.)

Acc 202—Elementary Accounting II (3)

PreReq: "C" or better in Acc 201

An introduction to accounting theory including the function of financial and managerial accounting and the uses of accounting information in decision making within a business. Financial accounting topics include corporation, equity, transactions, long-term debt and the statement of cash flows. (3 lec hrs.)

Administration of Justice

AJ 101—Introduction to Administration of Justice (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

This course focuses on history, philosophy, and language of the criminal justice system. The role of law enforcement, prosecutor, public defender, courts, and corrections is examined. Social aspects of change and how it affects the criminal justice system also explored. (3 lec hrs.)

AJ 103—Criminal Investigations I (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100; and Eng 21 or placement in Eng 102

This is an introductory course in criminal investigations. The nature of investigations, fingerprint classification, the role of the laboratory, and specific offense investigation will be explored. The class will also discuss interview and interrogation and search and seizure techniques. (3 lec hrs.)

AJ 104—CSI: Violent Crime Forensics (3)

PreReq: AJ 103

Advanced course work in forensic science (Legal Scientific Investigation), with its contributions to both Crime Scene Investigations and Laboratory Analysis. Specific field and laboratory investigative techniques in violent crimes and other major felonies will be explored. (3 lec hrs.)

AJ 150—The Correctional Process (3)

This course examines the history of punishment and corrections. The class discusses laws, records, inmate classification, treatment programs, disciplinary procedures, and supervisory techniques. (3 lec hrs.)

AJ 170—Introduction to Private Security (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

This course surveys the concepts and issues in the administration of security. Defines public versus private security roles for retail business, industry, and governmental agencies. Provides an overview of the functions of various security activities. (3 lec hrs.)

AJ 180—Introduction to Homeland Security (3)

PreReq: AJ 101

An examination of the history of terrorism, focusing on the terrorists, who they are, and how they operate. Responses to domestic and international terrorism will be discussed along with analyzing future trends. (3 lec hrs.)

AJ 208—Criminology (3)

Cross-listed as Soc 208

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

This course explores crime and the body of knowledge regarding it as a social phenomenon. An emphasis is placed on the analysis of crime, crime causation, crime variables, impact on society, and societal reactions to crime. (3 lec hrs.)

AJ 210—Juvenile Justice (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

This course focuses on principles and procedures of arrest, detention, petition, summons, records, and adjudication of the juvenile offender. It introduces the organization and function of the police juvenile unit, community diversion practices and organization of the Family Court. (3 lec hrs.)

AJ 220—Constitutional Law (3)

PreReq: AJ 101

The U.S. Constitution is examined as a basis of arrest, search, seizure, interrogation, use of force and civil rights. U.S. Supreme Court cases and Hawai'i Court cases are examined to illustrate the court's interpretive process. (3 lec hrs.)

AJ 221—Criminal Law (3)

PreReq: AJ 101

Studies history and philosophy of criminal law. Examines United States Constitution, especially the Bill of Rights. Considers nature of law, legal institutions, criminal court procedures, and offenses against persons and property. Includes case briefs. (3 lec hrs.)

AJ 233—Police Organization and Management (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100; and Eng 21 or placement in Eng 102

This course studies the principles of organization and administration of policing. Overviews of operations and activities of various divisions, bureaus, training and selection procedures, planning, and research are discussed. (3 lec hrs.)

AJ 234—Police and Community Relations (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100; and Eng 21 or placement in Eng 102

This course acquaints the student with the role of police in government and the critical importance of effective community relations. The dynamics of race relations and other current social problems that directly relate to the law enforcement community are explored. (3 lec hrs.)

AJ 250—Practice & Procedures in Corrections (3)

PreReq: AJ 101 and 150

This course will provide students with the basic training skills necessary to enhance their opportunities to secure a job in the high demand field of corrections. The course will focus on such areas as the history and philosophy of corrections, the role of the correctional officer, legal aspects of corrections, communication and writing skills, as well as basic security procedures. (3 lec hrs.)

AJ 256—Domestic Violence and Child Abuse (3)

Cross-listed as HSer 256 and WS 256

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

This course focuses on domestic violence and child abuse. The cycle of violence, causes, effects and symptoms of child abuse will be explored. Legal, public policy, criminal justice, health and social services responses and interventions to family, child and intimate partner abuse will be examined. (3 lec hrs.)

AJ 280—Current Issues in the Administration of Justice (3)

PreReq: AJ 101; and Eng 100

Examination of recent textual materials, government reports, and problems within the criminal justice system and how it affects change within American society and the world. Includes preparation of a formal research essay. (3 lec hrs.)

AJ 285—Narcotics and Organized Crime (3)

PreReq: Eng 21 or placement in Eng 102

The identification of narcotics and dangerous drugs, their manufacture and distribution, effects on society, applicable Federal and state laws. Vice and organized crime investigations, applicable laws, effects on individuals and society. (3 lec hrs.)

AJ 290B—AJ Practicum I (3-6)

PreReq: AJ 101 and (AJ 210 or AJ 256)

CoReq: AJ 280 or prior completion

With the cooperation of public and nonprofit agencies in the community, advanced students are placed in responsible positions where they earn credits for work performed. For AJ majors only.(variable hours)

AJ 290C—AJ Practicum II (3-6)

PreReq: AJ 290B

With the cooperation of public and nonprofit agencies in the community, advanced students are placed in responsible positions where they earn credits for work performed. (variable hours)

AJ 290D—AJ Practicum III (3-6)

PreReq: AJ 290C

With the cooperation of public and nonprofit agencies in the community, advanced students are placed in responsible positions where they earn credits for work performed. (variable hours)

Agriculture

Ag 22—Soil Technology (3)

Properties of soils, soil surveys, land layout, soil formation, classification, soil testing, fertilization practices, soil and water relationships, use of lime, soil protection, and irrigation practices. (6 lec/lab hrs.)

Ag 30—Farm Management (3)

The basic business principles upon which the farm is organized and operated, including the formulation of a loan proposal. (2 lec hrs., 3 lab hrs.)

Ag 31—Farm Equipment, Machinery and Power (3)

Farm equipment and machinery, their selection, management, principles of operation; testing, adjustment and servicing of gasoline engines, engine components. (6 lec/lab hrs.)

Ag 33—Greenhouse Construction (3)

Practice in planning the layout of physical facilities common on the farm; practice in the construction and maintenance of small structures. (6 lec/lab hrs.)

Ag 36—Pesticide Safety (2)

Introduction to safe pesticide application, formulation, toxicity, transportation, storage, safety equipment, disposal, and rules and regulations on use. *Not for recertification credit.* (2 lec hrs.)

Ag 40—Plant Identification (3)

Identification of imported and native flora, beneficial and detrimental, and their uses. (6 lec/lab hrs.)

Ag 41—Plant Disease and Pest Control (3)

Principles involved in controlling plant diseases and pests, including bacteria, fungi, nematodes, insects, weeds, and proper and safe methods in mixing sprays and dusts. (6 lec/lab hrs.)



Ag 43—Plant Science/Plant Propagation (4)

The study of plant science, especially plant propagation and extensive studies into botany. Plant morphology, anatomy, physiology, classification and growth regulators will also be covered. (2 lec hrs., 6 lab hrs.)

Ag 43B—Plant Science: Asexual Plant Propagation (1)

This course deals with increasing plants using asexual methods. The student will be taught to propagate plants using various techniques such as layering, cutting, grafting, budding, division, and separation. In addition, sections on media and growth regulators will be covered. (2 lec/lab hrs.)

Ag 46—Landscape Maintenance (3)

An introduction to landscape maintenance and construction. Skills taught include pruning, fertilizing, planting, pest control, reading of a blueprint, and nursery management. The correct use of specific power tools and equipment used in landscape maintenance and construction will be covered. The identification of plants commonly found in the landscape will also be covered. (2 lec hrs., 3 lab hrs.)

Ag 47—Landscape Horticulture (3)

PreReq: "C" or better in Eng 20W or "C" or better in ESL 13 or placement in Eng 22 or placement in ESL 15; and placement in Math 50

Recommended: Ag 46

Elements of landscape design; identification and selection of plant materials; reading of landscape plans; functional aesthetics; development and implementation of plant and maintenance practices. (6 lec/lab hrs.)

Ag 50—Mensuration (3)

This course will teach proper measuring techniques and proper application of measurements as it relates to agriculture. (6 lec/lab hrs.)

Ag 51—Tropical Crop Production I (3)

Covers the cultivation of vegetables, fruits and ornamentals typically cultivated in the Fall of each year. Topics covered will include crop selection, propagation, controlling the environment, pruning, pest control, fertilization and sanitation. Record keeping and other farm business exercises are an integral part of this course. (6 lec/lab hrs.)

Ag 53—Tropical Crop Production II (3)

Covers the cultivation of vegetables, fruits and ornamentals typically cultivated in the Spring of each year. Topics covered will include crop selection, propagation, controlling the environment, pruning, pest control, fertilization and sanitation. Record keeping and other farm business exercises are an integral part of this course. (6 lec/lab hrs.)

Ag 54A—Tropical Agriculture Production I (6)

An introduction to the culture of various horticultural enterprises commonly grown in Hawai'i during the Fall of each year. The course includes field preparation considerations, propagation, controlling the environment, pest control, fertilization, and marketing. These enterprises include floral, vegetable, fruits, and foliage crops. A "hands-on" approach to crop production will be employed and farm management will be stressed. (12 lec/lab hrs.)

Ag 54B—Tropical Agriculture Production II (6)

An introduction to various horticultural enterprises, commonly cultivated in Hawai'i during the Spring each year. The course includes field preparation considerations, propagation, controlling the environment, pest control, fertilization, and marketing. The enterprises include floral, vegetable, fruits, and foliage crops. The "hands-on" approach to agriculture production is employed and farm record keeping for farm management is stressed. (12 lec/lab hrs.)

Ag 57—Marketing of Agriculture Products (3)

The principles and practices of marketing of agricultural products with particular emphasis on the agencies and channels of trade and problems of distribution. (3 lec hrs.)

Ag 59—Farm Practicum (4)

Practical experience in career area selected by student and planned with the instructor. May be repeated for credit, up to 8 credits. (12 lab hrs.)

Ag 61—Animal Science and Livestock (4)

Terminology, technology, and specializations of the animal science curriculum; different classifications and breeds of animals; future employment possibilities; basic scientific concepts pertaining to agriculture. (8 lec/lab hrs.)

Ag 62—Animal Disease and Pest Control (3)

The general biology of microorganisms, their classification, characteristics and identification, including animal diseases and parasites with emphasis on prevention, sanitation and control. (6 lec/lab hrs.)

Ag 64—Livestock Production I (3)

Farm management techniques and practices involved in producing and marketing superior quality pork, eggs and fryers. (6 lec/lab hrs.)

Ag 65—Livestock Production II (3)

Farm management techniques and practices involved in producing and marketing superior quality beef and dairy cattle. (6 lec/lab hrs.)

Ag 67—Evaluation of Livestock (3)

Judging and selecting outstanding livestock animals for breeding and marketing and the processes of slaughtering, fabrication, grading, packaging, and storing of animal products. (6 lec/lab hrs.)

Ag 70—Range Management (3)

The growing of forage and legume crops for tropical ruminant animals and the identification and control of noxious plants. (6 lec/lab hrs.)

Ag 82—Turfgrass Management (3)

Turfgrass identification, installation, and maintenance for home, park, and golf areas with special emphasis on warm season grasses. A discussion of irrigation and fertilization practices. (6 lec/lab hrs.)

Ag 92—Selected Topics in Ag (1)

Selected topics in agriculture allows the student, with faculty advising, to explore areas in agriculture or agricultural projects which are not offered at Hawai'i Community College. With prior approval, this course can be used to gain credit for related course offerings. (1 lec hr.)

Ag 122—Soil Technology (3)

CoReq: Ag 200 or prior completion

Studies identification, preparation, and fertilization of soils. Discusses soil formation, soil classification, soil reaction, soil and water relationships, soil protection and irrigation practices. Emphasizes sustainable management systems. (2 lec hrs., 3 lab hrs.)

Ag 130—Agroforestry Business Management (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102; and Math 25 or 25X or Math 26 or placement in Math 100

Introduces agroforestry and forestry management practices including decision making, record keeping, cash flow, use of the computer as a management tool, and marketing of agricultural and forestry products. (3 lec hrs.)

Ag 141—Integrated Pest Management (3)

CoReq: Ag 200 or prior completion

Introduction to the principles involved in the control of plant diseases and pests including bacteria, fungi, nematodes, insects, and weeds. Various methods of controlling pests, including the correct method of selecting and applying pesticides will be covered. A report on the diseases of a crop is required. (6 lec/lab hrs.)

Ag 157—Marketing of Agriculture Products (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100; and placement into Math 50 or placement into Math 22 or higher

This course deals with the principles and practices of selecting, processing, handling, and selling of agriculture products. Principles of marketing and the marketing of specific crops are covered. The student will be introduced to the use of the Internet to research markets. A report on the marketing of a crop is required. (3 lec hrs.)

Ag 175—Agroforestry (3)

PreReq: "C" or better in Eng 21 or "C" or better in Eng 22 or placement in Eng 100 or placement in Eng 102; and "C" or better in Math 25 or 25X or "C" or better in Math 26 or placement in Math 120

CoReq: Ag 175L

Designed for students in Forest TEAM and related careers. Methods of designing mixed forestry and agricultural systems combining long-term tree crops with understory plants. Topics include choosing the combination of trees and understory plants for growth characteristics, climate zone, substrate, slope and economic goals; planting methods using nitrogen fixing plants and mulch crops to build a healthy soil ecosystem; methods of reducing soil erosion; incorporating native plants and medicinal plants; plant propagation; and use of shade and mulch to reduce weed problems. (3 lec hrs.)

Ag 175L—Agroforestry Laboratory (1)

CoReq: Ag 175

Designed for students in Forest TEAM and related careers. Laboratory to accompany Ag 175, Agroforestry. Field exercises in methods of designing mixed forestry and agricultural systems combining long-term tree crops with understory plants. Topics include choosing the combination of trees and understory plants for growth characteristics, climate zone, substrate, slope and economic goals; planting methods using nitrogen fixing plants and mulch crops to build a healthy soil ecosystem; methods of reducing soil erosion; incorporating native plants and medicinal plants; plant propagation; and use of shade and mulch to reduce weed problems. (3 lab hrs.)

Ag 190V—Internship (1-4)

PreReq: Ag 175 and Geog 170

Designed for students in Forest TEAM and related careers. An internship with a government or private agency or commercial operation in the area of tropical forest ecosystem management or agroforestry or related forest or ecosystem occupations. The internship program is intended to give students the opportunity to apply knowledge and skills learned in the Forest TEAM program to real life forest ecosystem management and agroforestry operations with potential employers. May be repeated for credit, up to 6 credits. (variable hours)

Ag 192—Selected Topics in Forest Ecosystem Management (1)

PreReq: Eng 21 or placement in Eng102; and Math 25 or 25X or 26 or placement in Math 100

Selected topics allows addition of subjects that meet current needs in Agroforestry and Forest Ecosystem Management. It will be used for elective credit and may be repeated for different subjects. Examples include Forest Fire training, Pesticide training, and Tissue Culture. May be repeated for credit, up to 4 credits. (1 lec hr.)

Ag 200—Principles of Horticulture (4)

PreReq: Eng 22 or ESL 15 or placement in Eng100; and Math 22 or placement in Math 24 or 24X or higher

Introduces botany and plant physiology. Discusses plant nutrients, moisture, environmental requirements and plant propagation. Studies culture and production techniques for selected ornamental crops. Plant propagation techniques and the cultivation of selected economic crops will be covered using a student garden and greenhouse. (3 lec hrs., 3 lab hrs.)

Ag 230—Agriculture Business Management (3)

CoReq: Ag 200 or prior completion

Introduces students to agricultural business management practices. Roles such as managing, decision processes, records, budgeting, financial statements, ratio analysis, cash flow analysis and computer literacy are expected. Web based research and business planning are explored and developed. (6 lec/lab hrs.)

Ag 245—Tropical Silviculture and Forest Plant Propagation (3)

PreReq: "C" or better in Eng 102; and "C" or better in Eng 100; and "C" or better in Math 120; and "C" or better in AG 175

CoReq: AG 245L

Designed for students in Forest TEAM and related careers. Ecology, restoration and management of native and non-native forest ecosystems. Classification, identification, structure, growth and development of trees and understory plants in forest ecosystems. Selection, propagation and cultivation of seeds and propagules. (3 lec hrs.)

Ag 245L—Tropical Silviculture and Forest Plant Propagation Lab (1)

CoReq: AG 245

Designed for students in Forest TEAM and related careers. Laboratory in ecology, restoration and management of native and non-native forest ecosystems. Field methods of classification, identification, structure, growth and development of trees and understory plants in forest ecosystems. Field and greenhouse selection, propagation and cultivation of seeds and propagules. (3 lab hrs.)

Ag 250—Sustainable Crop Production (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

An introduction to production methods for selected crops; compares conventional and alternative methods of production, and analysis the effects of these practices. Examines economic and social impacts. (3 lec hrs.)

Ag 250L—Sustainable Crop Production Lab (1)

CoReq: Ag 250 or prior completion

A laboratory course which gives the student practical experience in the application and/or the demonstration of agricultural practices which have a minimal negative impact on the farm and the community. (3 lab hrs.)

Ag 260—Tropical Landscape Horticulture (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100; and Math 22 or placement in Math 24 or 24X

Introduces the student to the elements of landscape design, planning, and plan implementation. The areas covered include design principles, functional aesthetics, reading and development of landscape plants, and cost estimates. (6 lec/lab hrs.)

Ag 275—Forest Pest Management (3)

PreReq: "C" or better in Eng 102; and "C" or better in Eng 100; and "C" or better in Math 25 or 25X or "C" or better in Math 26 or placement in Math 100

CoReq: AG 275L

Designed for students in Forest TEAM and related careers. Identification of pests and other threats to forestry operations and native forests. Survey of major diseases, invertebrate pests, vertebrate pests, and invasive plants that threaten tropical forests with and emphasis on Hawai'i. Use of pest management techniques assist in pest control. (3 lec hrs.)

Ag 275L—Forest Pest Management Lab (1)

CoReq: AG 275

Designed for students in Forest TEAM and related careers. Lab to identify pests and other threats to agroforestry operations and native forests, including methods of control. Survey of major diseases, invertebrate pests, vertebrate pests, and invasive plants that threaten forests in Hawai'i, and use of pest management techniques assist in pest control. (3 lab hrs.)

Ag 291—Forest Restoration Ecology and Ecosystem Management Practicum (3)

PreReq: Geog 170 and Geog 180 and Ag 175

Designed for students in Forest TEAM and related careers. This is the capstone course of the Forest TEAM program. It is a practicum which will give students field experience in methods of assessing the condition of and threats to native and planted forests and developing plans for their management. Students will assess threats to forests, such as alien species, and devise ways of controlling them. They will apply forest restoration methods involving propagation of forest trees and herbs. (9 lab hrs.)

Anthropology

Anth 121—Introduction to Language (3)

Cross-listed as Ling 121

PreReq: "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100

An introduction to the study of language from an anthropological perspective. Broad topics include ethnolinguistics (language and culture), sociolinguistics (language and society), psycholinguistics (language and cognition), and core subfields in linguistics; phonology (sound system), morphology (word structure), and syntax (sentence structure). More emphasis will be given to anthropological methods and cultural concepts in Anth 121 than in Ling 121, where linguistic approaches are emphasized. (3 lec hrs.)

Anth 150—Human Adaptations (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

A survey course of physical anthropology. Major topics include primates, human evolution, human adaptations to the present and future world, and global variations in human cultural adaptations. (3 lec hrs.)

Anth 200—Cultural Anthropology (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Humans as cultural and social beings. The major concepts and conclusions of cultural anthropology. Biological, social, and linguistic foundations of culture. Research methods. (3 lec hrs.)

Anth 235—Intermediate Linguistic Analysis: Regional Survey of Austronesian Languages (3)

Cross-listed as Ling 235

PreReq: ("C" or better in Anth 121 or "C" or better in Ling 102 or "C" or better in Ling 121) and ("C" or better in Eng 100 and "C" or better in Eng 102)

Building on skills acquired in Linguistics 102 or Ling/Anth 121, this course emphasizes intermediate phonological, morphological, syntactic, and historical-comparative analyses of language; it typologically surveys the Austronesian (AN) language family (including several Polynesian languages), focusing on its geographical distribution, major languages, the branching of its family tree, and its linguistic/cultural diversity. Data from non-AN Southeast Asian and Indo-European languages will be included to introduce key concepts and provide contrast. (3 lec hrs.)

Architectural, Engineering and CAD Technologies

AEC 80—Basic Drafting (3)

Recommended: High School mechanical drawing

Designed for students interested in technical drawing. This course is an introduction to the very basic manual drafting practices, procedures, equipment use, lettering, and architectural symbols. Orthographic projection, pictorial drawings, sectional views, dimensioning, screw threads, and weld symbols will also be covered. (6 lec/lab hrs.)

AEC 110B—Basic AutoCAD (3)

PreReq: Placement in Eng 20R or placement in ESL 9

CoReq: AEC 80, and AEC 115, and AEC 118 (or prior completion of any)

Recommended: mechanical drawing and computer keyboarding experience

Designed for students interested in CAD drawing. This course is designed for the student with no computer aided (CAD) experience. Introduction to AutoCAD's basic drawing commands will be the focus including features, functions, and operations such as lines, arcs, circles, symbols, text, dimensions, and editing/modifying objects will be explored. (6 lec/lab hrs.)

AEC 110C—Basic AutoCAD II (1)

PreReq: AEC 110B; and Eng 51 or Eng 21 or Eng 22 or ESL 15

CoReq: AEC 120, and AEC 123, and AEC 127 (or prior completion of any)

Designed for students interested in CAD drawing. Advanced application to design and draw construction plans utilizing AutoCAD LT. Students will set up drawing sheets for plotting using paper space and model space and applications including how to extract information about a drawing. Manipulation of 3-D drawing commands will also be introduced if program is available. (2 lec/lab hrs.)

AEC 115—Introduction to Architecture (2)

PreReq: Placement in Eng 20R or in ESL 9

Recommended: Placement in Eng 22, keyboarding skills, access to a computer with Internet

Designed for students interested in the architectural field. Overview of the architectural profession includes professional ethics, industry organizational structure, licensing and its educational requirements, typical framework of architectural firms, compensation, model codes, awarding of contracts and legal requirements for construction projects, project administration, professional organizations, and career opportunities in related fields. Covers the work of significant architects and the importance of the creative thinking process and its application to basic design theory. Exercises emphasize the development of basic skills used in the design of simplified architectural projects. (4 lec/lab hrs.)

AEC 117—Introduction to Surveying (1)

PreReq: Placement in Eng 20R or in ESL 9; and Math 50 or higher

CoReq: AEC 110B or prior completion

Recommended: Placement in Eng 22, keyboarding skills, access to a computer with Internet

An introductory course of the concepts of plane surveying including the use, adjustment, and maintenance of the engineering field equipment. Emphasis will be on accuracy in performing fieldwork, free-hand lettering, and the use of the engineering scales for conventions, site and plot plans. Civil Engineering drawings using AutoCAD will be explored. (2 lec/lab hrs.)

AEC 118—Construction Materials (3)

PreReq: Eng 51 or Eng 21 or Eng 22 or ESL 15

CoReq: AEC 110B or prior completion

Recommended: Access to a computer with Internet

A broad survey of materials and products used in the building industry including concrete, masonry, wood, metals, electrical and mechanical systems and other topics based on the Construction Specification Institute (CSI) format. Emphasis on construction and materials in Hawai'i including their nature, characteristic, variety and uses. (6 lec/lab hrs.)

AEC 120—Introduction to Construction Drawings (3)

PreReq: AEC 118

CoReq: AEC 110C or prior completion

A core course in basic building construction and common construction drawings. Foundation, framing, finishes, roofs, architectural dimensions, materials symbols, drawings conventions, and more will be covered. An AutoCAD course that applies procedures from AED 110B, AEC 110C, and AEC 118. (6 lec/lab hrs.)

AEC 123—Residential Planning and Design (3)

PreReq: Math 66

CoReq: AEC 120 or prior completion

Architectural design concepts, application of AutoCAD, study models, sketching, and group critiqued presentations of design will be introduced. Application of AEC 110B, 118, and 120 are incorporated. A structural model of a three-bedroom residence will be constructed. (6 lec/lab hrs.)

AEC 127—Civil Engineering Drawing (3)

PreReq: AEC 117; and Math 66; and Eng 51 or Eng 21 or Eng 22 or ESL 15

CoReq: AEC 110C or prior completion

Introduction to civil engineering drawing including maps, surveys, contours and profiles, site plans, site utilities, and land excavation. Also included are AutoCAD drawings to alter site contours, retain site areas, and flanking cut-and-fill gradients for roadways. (6 lec/lab hrs.)

AEC 130—Residential Working Drawings (3)

PreReq: AEC 120

CoReq: AEC 131 and AEC 138 (or prior completion of either)

Advanced study and application of materials and methods of construction specifically related to two-story dwellings. Projects utilize light wood, steel, and/or masonry construction principles and practices. Course includes basic residential planning, drafting expressions, structural details and complete working drawings of a two-story dwelling. All drawing is done using AutoCAD. (1 lec hr., 6 lab hrs.)

AEC 131—Construction Codes (2)

CoReq: AEC 130 or prior completion

This course explores the ramifications of codes on building project. Construction codes are used to produce project drawings that meet zoning, building and accessibility requirements. (2 lec hrs.)

AEC 133—Basic Arch Studio A (4)

PreReq: AEC 123 and AEC 135

CoReq: AEC 134 or prior completion

Perception, design and communication is explored through human perception, multi-sensory reception, interpretation of sensory input by the brain and emotional and cultural factors. Elements and principles of basic two- and three-dimensional design concepts. Formal/spatial exercises that explore elements, surfaces, measure and order in both graphic and architectural contexts. Analytical exercises which examine both existing and self-created orders and studio activities involving thinking, reading, writing, drafting, model making, and especially drawing (freehand, with instruments and computer). (8 lec/lab hrs.)

AEC 134—CAD Options I (1)

PreReq: AEC 118

CoReq: AEC 131 and AEC 133 (or prior completion of either)

An introduction to AutoDesk 3D Studio VIZ (if available), a high-end 3D modeling and rendering program primarily aimed at building design. Topics include the user interface, basic modeling concepts, object creation, material rendering, and lighting. The student will construct several 3D computer models. (If the software AutoDesk 3D Studio VIZ is not available, a generic 3D rendering program, possibly "Sketch Up" will be substituted.) (2 lec/lab hrs.)

AEC 135—Introduction to the Built Environment (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100; and Eng 21 or placement in Eng 102

Philosophical development of society's physical fabric as revealed by the range of representative physical designs. (3 lec hrs.)

AEC 137—Surveying II (1)

PreReq: AEC 127

CoReq: AEC 134 and AEC 138 (or prior completion of either)

This course expands on AEC 117 and AEC 127. Emphasis will focus on measuring horizontal distances, on steep slopes, alignment between points, and mistakes and errors in measuring distances. Also included will be the horizontal circle, digital verniers used in measuring angles, instrument set-up, measuring vertical angles, setting points on line and intersection of lines. (2 lec/lab hrs.)



AEC 138—Structural Drawing (1)*CoReq: AEC 131 or prior completion*

Introduction to structural drawing for building construction and includes load analysis, concrete and steel plan and detail drawings, and wood frame design. Drawings to be done with AutoCAD. Emphasis on floor and roof framing, lintels and beams, and posts and columns. Goals is to develop in students a sense and basic understanding of structures in building construction. (2 lec/lab hrs.)

AEC 140—Commercial Working Drawings (3)*PreReq: AEC 130**CoReq: AEC 141B or prior completion*

A core course that includes the theory and practice involved in producing and organizing working drawings using CAD for multi-family and/or commercial projects. Students are exposed to design, layout and construction methods used in steel, concrete, masonry and wood systems. Independent research emphasized. (6 lec/lab hrs.)

AEC 141B—Building Services (1)*CoReq: AEC 140 or prior completion*

Preliminary and detail planning of service and mechanical equipment and facilities in multi-family and/or commercial buildings. Topics include energy, thermal control, plumbing and electrical systems, and vertical transportation equipment. (2 lec/lab hrs.)

AEC 142—Basic Arch Studio B (4)*PreReq: AEC 134*

Materials, Design & Communication. Hands-on exploration of various materials and construction techniques and as introduction to various design processes as systematic approaches to solving architectural/ environmental design problems. Analysis of architecture as the creation of spaces generated by human needs and aspirations and developing concepts to explore and achieve innovative solutions responding to these needs. Studio activities involving thinking, reading, writing, model making and a variety of communication techniques with emphasis on the delineation of 3-D spaces using perspective drawing techniques, light notation and computer modeling. (8 lec/lab hrs.)

AEC 144—CAD Options II (1)*PreReq: AEC 137**CoReq: AEC 141B and AEC 147 (or prior completion of either)*

This course will introduce the student to ArcView's software for Geographic Information System (GIS), a data gathering program, and Global Positioning Systems (GPS) for data gathering of points, lines, features, and areas. (2 lec/lab hrs.)

AEC 147—Surveying III (2)*CoReq: AEC 144 or prior completion*

This course will use the information gathered in the surveys conducted in AEC 137. Emphasis will focus on topographic contour drawings including uses of contours, contour intervals, determining elevations/ grades, contours for cut and fill, excavations for buildings, volumes of cut and fill, and profile sections. (4 lec/lab hrs.)

Art

Art 101—Introduction to the Visual Arts (3)

Introduction to the Visual Arts, the nature of the visual arts and their expression in various forms. (3 lec hrs.)

Art 105B—Introduction to Ceramics - Hand Building (3)

An introduction to three dimensional concepts in clay through hand building techniques. (2 lec hrs., 4 lab hrs.)

Art 105C—Introduction to Ceramics - Wheel Throwing (3)*PreReq: Art 105B*

Three dimensional concepts in clay through wheel throwing techniques. (2 lec hrs., 4 lab hrs.)

Art 107—Intro to Photography (3)*Recommended: Art 101*

Introductory course in the elements, principles, and techniques of black and white photography. No prior knowledge of photography is required. (2 lec hrs., 4 lab hrs.)

Art 107D—Intro to Digital Photography (3)*CoReq: Art 112 or prior completion**Recommended: Knowledge of the use of computers.*

An introduction to digital photography. Students will learn basic camera techniques and how to convert their images to digital ones. Will provide the student with basic aesthetic principles as well as an extensive range of practical photographic techniques needed for entry into the photographic workplace and/or for artistic expression. It provides experience in traditional and contemporary photographic techniques for Art and Multimedia Design. (6 lec/lab hrs.)

Art 108—Elementary Studio: Drawing and Painting (3)

Painting studio with emphasis on materials and techniques. (2 lec hrs., 4 lab hrs.)

Art 111—Introduction to Watercolor Painting (3)

An introduction to watercolor materials and techniques, including an introduction to Oriental brush painting. (2 lec hrs., 4 lab hrs.)

Art 112—Introduction to Digital Arts (3)*PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102**Recommended: Art 115 and/or basic computer competency*

Studio introduction to digital technology and its applications to the production of visual art. Emphasis will also be placed on developing an aesthetic criteria for evaluation. (1 lec hrs., 4 lec/lab hrs.)

Art 113—Foundation Studio: Drawing (3)

Two-dimensional visualization and rendering of forms, spaces and ideas through a variety of approaches and media. (2 lec hrs., 4 lab hrs.)

Art 114—Foundation Studio: Color (3)

Aspects and theories of color and their practical applications. (2 lec hrs., 4 lab hrs.)

Art 115—Foundation Studio: 2-D Design (3)

Basic two-dimensional designs, concepts, elements and principles of organization. (2 lec hrs., 4 lab hrs.)

Art 123—Introduction to Painting (3)

Theory and practice of painting: basic material and technical procedure will be addressed. Oil or acrylic. (2 lec hrs., 4 lab hrs.)

Art 125—Introduction to Graphic Design (3)*CoReq: Art 112 (or prior completion with a "C" or better) or Art 115 (or prior completion with a "C" or better)*

Introduces various ways of organizing visual elements in page design and examines the conceptual meaning of text and image in combination. Structural systems such as grids; modules; and the design principles of emphasis, balance, rhythm, scale and unity are used to organize visual information. Photographs, illustrations and text are integrated using page layout software. (6 lec/lab hrs.)

Art 126—3D Computer Graphics I (3)

PreReq: "C" or better in Art 112

Provides introductory studio experience in 3D computer graphic concepts with MAYA. Emphasis will also be placed on developing an aesthetic criterion for evaluation. (6 lec/lab hrs.)

Art 202—Digital Imaging (3)

PreReq: Art 112

CoReq: Art 115 or prior completion

A studio course in digital imaging concepts and techniques including image capture, manipulation, and output. Emphasis will also be placed on developing an aesthetic criterion for evaluation. (6 lec/lab hrs.)

Art 207—Intermediate Photography (3)

PreReq: Art 107

Focuses on black and white photography emphasizing communication and self expression. Lectures, demonstrations, and projects. Students must supply camera and materials. (2 lec hrs., 4 lab hrs.)

Art 209—Image in Motion Studio (3)

PreReq: Art 112

CoReq: Art 115 or prior completion

A studio course in digital video production that provides students with the basic theory, practice, and techniques for digital video with sequential digitized imagery and synchronized sound. (6 lec/lab hrs.)

Art 211—Intermediate Watercolor Painting (3)

PreReq: Art 111

Continuation and intensive application of the basic techniques introduced in Art 111. Emphasis on the development of personal style in the medium of watercolor. (2 lec hrs., 4 lab hrs.)

Art 212—Digital Animation (3)

PreReq: Art 112 and Art 202

Studio experience in digital animation concepts. Emphasis will also be placed on developing an aesthetic criterion for evaluation. (6 lec/lab hrs.)

Art 214—Introduction to Life Drawing (3)

PreReq: Art 113

An introductory life drawing course. Anatomical construction, light, space, diagrammatic analysis and thematic content will be studied through the drawing process. May be repeated for credit, up to 6 credits. (6 lec/lab hrs.)

Art 217—Screen Printing (3)

Basic screen printing techniques from open screen to photographic methods will be addressed. (6 lec/lab hrs.)

Art 223—Intermediate Painting (3)

PreReq: Art 123

Survey of late 19th and 20th century studio practice with emphasis on abstraction and non-representational painting. May be repeated for credit, up to 6 credits. (2 lec hrs., 4 lab hrs.)

Art 225—Graphic Design II (3)

PreReq: Art 125

An intermediate graphic design class which focuses on the refinement of design skills as tools for effective visual communication. It aims to further develop the awareness and investigation of the forms, techniques, and concepts of graphic design. May be repeated for credit, up to 6 credits. (6 lec/lab hrs.)

Art 226—3D Computer Graphics II (3)

PreReq: Art 126

CoReq: Art 212 (or prior completion with a "C" or better) and Art 202 (or prior completion with a "C" or better)

Provides intermediate studio experience in 3D computer graphics concepts with Autodesk MAYA. Builds upon knowledge learned in Art 126 (3D Computer Graphics I) and applies that knowledge to learn more advanced 3D animation techniques. Emphasis placed on developing an aesthetic criterion for evaluation. (6 lec/lab hrs.)

Art 227—Oriental Brush Painting (3)

Basic techniques and concept involved in traditional Chinese painting. (6 lec/lab hrs.)

Art 230—Textile Design (3)

Design problems for production of printed fabric utilizing silkscreen techniques. (2 lec hrs., 4 lab hrs.)

Art 238—Weaving I (3)

Deleted

Art 238—Interface Design (3)

PreReq: Art 125

Explores the design and programming of audience specific interfaces. Students learn basic programming and screen design skills in combination with basic Web page production technique. May be repeated for credit, up to 6 credits. (6 lec/lab hrs.)

Art 239—Weaving II (3)

PreReq: Art 238

A continuation of fiber techniques and weaving concepts with emphasis on the application of design principles and problem solving. (2 lec hrs., 4 lab hrs.)

Art 243—Intermediate Ceramics - Hand Building (3)

PreReq: Art 105B

The development of sculptural and vessel concepts using hand building techniques. May be repeated for credit, up to 6 credits. (2 lec hrs., 4 lab hrs.)

Art 244—Intermediate Ceramics - Wheel Throwing (3)

PreReq: Art 105C

The development of vessel and sculptural concepts using wheel throwing techniques. May be repeated for credit, up to 6 credits. (2 lec hrs., 4 lab hrs.)

Art 246—3D Computer Graphics III (3)

PreReq: Art 226 and "C" or better in Art 212

Provides advanced studio experience in 3D computer graphics concepts with Autodesk MAYA. Builds upon the knowledge learned in ART 226, 3D Computer Graphics II and applies that knowledge to learn more advanced 3D animation techniques. Emphasis will also be placed on developing an aesthetic criteria for evaluation. (6 lec/lab hrs.)

Art 248—Digital Post-Production (3)

PreReq: "C" or better in Art 209

A course on the theory and art of video and audio sound design and editing for various output formats. Emphasis will also be placed on developing aesthetic criteria for evaluation purposes. (6 lec/lab hrs.)

Art 259—Narrative Game Design (3)

PreReq: "C" or better in Art 226

Introduction to the process of designing interactive narrative computer games. Emphasis will be placed on developing an aesthetic criterion for evaluation purposes. (6 lec/lab hrs.)

Art 269C—Study Abroad - Japan (3)

PreReq: Consent of instructor

This is an on-site study of art/architecture of a designated location(s). This course will visit several animation studios in Japan, including Studio Ghibli - the studio that created "Spirited Away." There will be lectures and discussions which will be used as a tool to analyze, understand, and appreciate the development of this region's unique art. (45 total hrs.)

Art 293—Internship (3)

PreReq: Art 294

Recommended: A portfolio of previous student work acceptable by the instructor.

Provides supervised work experience in multimedia production. This course enables students to apply the knowledge and skills acquired in the classroom to the work environment. (6 lec/lab hrs.)

Art 294—Practicum in Digital Arts (3)

PreReq: Art 202 and Art 209

This practicum provides a supervised work experience environment where advanced students in the DMA program can engage in real production activity. Course enables students to apply the knowledge and skills acquired in the classroom to the work environment. (6 lec/lab hrs.)

Asian

Asan 120—Japanese Culture I (3)

An introduction to study of common and distinctive aspects of the Japanese culture. It is designed to give students an introduction to Japanese culture and the Japan of today directly related to the modern Japanese people. (3 lec hrs.)

Asan 121—Chinese Culture (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

An introduction to the study of past and present Chinese culture in relation to other East Asian cultures. It is designed to give students an introduction to the Chinese culture. Topics such as: Chinese values and philosophy, social structure, language and literature, art, and migration of Chinese will be covered. (3 lec hrs.)

Asan 122—Korean Culture (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

An introduction to the study of common and distinctive aspects of Korean culture in relation to other East Asian cultures designed to give students an overview of contemporary Korean culture and the relationship to its socio-historical, cultural past. (3 lec hrs.)

Astronomy

Astr 110—Survey of Astronomy (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102; and Math 22 or placement in Math 26

Survey of modern astronomy intended for non-science majors with emphasis on scientific method and development of scientific thought. (3 lec hrs.)

Astr 281—Astrobiology (3)

PreReq: Astr 110

Astronomical, physical, chemical, geological, and biological perspectives of the origin and continued existence of life on Earth and of the possibility of extraterrestrial life. Exploration of Mars and the Jovian moons. Search for extrasolar planets and extraterrestrial intelligence. (3 lec hrs.)

Auto Body Repair and Painting

ABRP 20—Introduction to Auto Body Repair & Painting (1)

CoReq: ABRP 21, 22, 23, 24, and 25, or consent of instructor

This course prepares student for participation in the Auto Body Repair and Painting program. Students will gain an understanding of college policies, program requirements, career opportunities, shop safety practices, personal safety protection, and health and environmental concerns related to the field. (2 lec/lab hrs.)

ABRP 21—Oxyacetylene Welding & Cutting (2)

CoReq: ABRP 20, 22, 23, 24, and 25, or consent of instructor

This course instructs the student in the safe and proper operation of oxyacetylene torch set on metals utilized in automotive construction. Students will be exposed to hands-on welding techniques and heat control to reduce warpage on thin gauge sheet metal as well as the oxyacetylene cutting torch and plasma arc cutting. (4 lec/lab hrs.)

ABRP 22—Gas Metal Arc Welding Techniques (3)

CoReq: ABRP 20, 21, 23, 24, and 25, or consent of instructor

This course is designed to instruct the student in the proper operation of the wire feed welder in the automotive repair industry. It emphasizes the importance of this type of welding process in repairing the thin gauge high strength steels found in current production automobiles. Students will learn and practice MIG welding techniques and demonstrate their skills in welding automotive metals. (6 lec/lab hrs.)

ABRP 23—Advanced Welding Techniques (1)

CoReq: ABRP 20, 21, 22, 24, and 25, or consent of instructor

In this course the student is introduced to the theory of specialized welding processes and advanced welding techniques employed in the automotive repair industry when repairing exotic metals. (2 lec/lab hrs.)

ABRP 24—Rust Repair and Corrosion Protection (2)

CoReq: ABRP 20, 21, 22, 23, and 25, or consent of instructor

Students in this course will learn the causes and effects of corrosion on automobile bodies and methods of corrosion protection. They will have the opportunity to learn to layout and fabricate repair panels from thin gauge sheet metal and repair rust out damage. (4 lec/lab hrs.)

ABRP 25—Metal Straightening Techniques (3)

CoReq: ABRP 20, 21, 22, 23, and 24, or consent of instructor

Students taking this course will learn how collision and corrective forces affect automotive sheet metal. They will gain experience using the basic auto body hand and power tools to practice metal straightening techniques. Students will also be instructed in the selection, application and finish of body filler materials. (6 lec/lab hrs.)

ABRP 30—Preparation & Refinish Safety (3)

CoReq: ABRP 31, 32, 33, 34, and 35, or consent of instructor

This course instructs the student in proper safety procedures and practices for automotive refinishing, to include OSHA guidelines, Right-to-Know Act, EPA laws and regulations, etc. Students will learn pre-refinishing operations prior to application of topcoat systems, and introduced to products and equipment used in color finessing and final detail of the vehicle for delivery. (6 lec/lab hrs.)

ABRP 31—Refinish Equipment & Preparation (1)

CoReq: ABRP 30, 32, 33, 34, and 35, or consent of instructor

This course covers corrosion principles and manufacturers' corrosion protection with emphasis on repair methods and materials. Students will be introduced to safety procedures, proper operation, and maintenance of tools and equipment used in automotive refinishing. (2 lec/lab hrs.)

ABRP 32—Refinish Application & Color Matching (2)

CoReq: ABRP 30, 31, 33, 34, and 35, or consent of instructor

This course will introduce final preparation and application of various types of automotive refinishing topcoats with emphasis on topcoat color analysis, tinting, and mixing. (4 lec/lab hrs.)

ABRP 33—Paint Problems (2)

CoReq: ABRP 30, 31, 32, 34, and 35, or consent of instructor

This course will introduce the student to various common paint problems and paint film defects caused by curing, mixture, and spraying techniques, with emphasis on paint problem solutions and preventions. (4 lec/lab hrs.)

ABRP 34—Color Blending (3)

CoReq: ABRP 30, 31, 32, 33, and 35, or consent of instructor

This course will introduce the student to color blending preparation techniques, application techniques of color, and clearcoat topcoats. (6 lec/lab hrs.)

ABRP 35—Plastic Repair & Refinishing (1)

CoReq: ABRP 30, 31, 32, 33, and 34, or consent of instructor

This course will introduce the student to plastic identification, repairability decisions, adhesive and welding repair, and refinishing. (2 lec/lab hrs.)

ABRP 40—Collision Damage Appraisal (2)

CoReq: ABRP 41, 42, 43, 44, and 45, or consent of instructor

Students learn to identify damages created by collision forces, and how they influence repair procedures on different types of body construction. Utilizing collision estimating guides, students will create a manual estimate and develop a repair procedure plan. (4 lec/lab hrs.)

ABRP 41—Panel Replacement & Alignment (3)

CoReq: ABRP 40, 42, 43, 44, 45, or consent of instructor

Students learn proper procedures when replacing panels and alignment techniques to ensure correct fit and operation. Interior and exterior panels with their attached components and trim are covered. (6 lec/lab hrs.)

ABRP 42—Door and Quarter Panel Replacement (3)

CoReq: ABRP 40, 41, 43, 44, 45, or consent of instructor

This course will instruct students in the fundamental procedures in servicing door and quarter panel assemblies. Major focus on door intrusion beam, outer door panel and quarter panel replacement techniques. (6 lec/lab hrs.)

ABRP 43—Movable Glass Service (2)

CoReq: ABRP 40, 41, 42, 44, and 45, or consent of instructor

This course covers repairs, replacement, and adjustment of movable glass, regulator systems, and track components. Students will also learn to diagnose and repair air and water leaks. (4 lec/lab hrs.)

ABRP 44—Windshield & Stationary Glass Repairs (1)

CoReq: ABRP 40, 41, 42, 43, and 45, or consent of instructor

Students learn the importance of fixed glass as a structural component in unibody vehicles. Proper procedures for removing and replacing laminated windshield and tempered safety glass are covered. Windshield glass chip and crack repairs are explained. (2 lec/lab hrs.)

ABRP 45—Servicing Electrical Components (1)

CoReq: ABRP 40, 41, 42, 43, and 44, or consent of instructor

Students learn basic electrical system operation and use of testers to check functions and troubleshoot problems. (2 lec/lab hrs.)

ABRP 50—Structural Damage Analysis (3)

CoReq: ABRP 51, 52, 53, and 54, or consent of instructor

Course covers proper procedures for diagnosing structural collision damage and use of various types of measuring systems to identify extent of damage. (6 lec/lab hrs.)

ABRP 51—Straightening Structural Components (3)

CoReq: ABRP 50, 52, 53, and 54, or consent of instructor

Course covers proper procedures for diagnosing modern vehicle construction, crucial procedural steps in restoring the vehicles structural body alignment, panel alignment, and vehicle safety performance to OEM standards. (6 lec/lab hrs.)

ABRP 52—Structural Replacement (3)

CoReq: ABRP 50, 51, 53, and 54, or consent of instructor

Course covers proper procedures for replacing structural panels done according to specified operation; location, purpose, and replacement of structural components and crush zones in relation to passenger safety. (6 lec/lab hrs.)

ABRP 53—Steering and Suspension (2)

CoReq: ABRP 50, 51, 52, and 54, or consent of instructor

Course covers principles of suspension and steering systems, elements of proper wheel alignment, and the diagnosis and service repair of steering systems. (4 lec/lab hrs.)

ABRP 54—Heating and Cooling Systems (1)

CoReq: ABRP 50, 51, 52, and 53, or consent of instructor

Course covers proper procedures for diagnosing and repairing air conditioning, cooling systems, and auxiliary oil cooling systems. (2 lec/lab hrs.)

ABRP 60—Basic and Minor Auto Body Repairs (2)

PreReq: consent of instructor

This course is to develop basic knowledge and repair skills in auto body minor repairs. Included will be orientation of tools used for repairs, repairs of damaged vehicle body parts, warpage control management of repaired body parts and metal finishing of repairs. Classroom and hands-on experiences will be included. (2 lec hrs.)

ABRP 101—Basic Radiator Maintenance, Trouble Shooting Repairs and Remedies (1)

PreReq: consent of instructor

Provides the students with the basic fundamentals of radiator maintenance, trouble shooting, repairs and remedies. (1 lec hr.)

Automotive Mechanics

- + Valid driver's license required.

- + **AMT 20—Intro to Auto (1)**
CoReq: AMT 23, 30, and 40B
Fundamentals of automotive service, repair procedures, facilities and equipment, nomenclature, and shop safety. (2 lec/lab hrs.)

- + **AMT 23—Lubrication (1)**
CoReq: AMT 20, 30, and 40B
Lubricant theory; selection, use and practice in using lubrication equipment. (2 lec/lab hrs.)

- + **AMT 30—Engines (7)**
CoReq: AMT 20, 23, and 40B
The theory, construction, design, service, and repair of upper and external engine components, such as cylinder heads, valves, cams, timing gears and chains, and manifolds. (14 lec/lab hrs.)

- + **AMT 40B—Fuel System (3)**
CoReq: AMT 20, 23, and 30
The characteristics, operation, construction, design, service and repair of fuel systems. (6 lec/lab hrs.)

- + **AMT 40C—Electrical System (6)**
PreReq: AMT 20
CoReq: AMT 46 and 57
The theory, operation, design, and repair of automobile electrical systems, including power sources, regulators, indicators, wiring, lighting, and accessories. (12 lec/lab hrs.)

- + **AMT 43—Heating and Air Conditioning (3)**
This course is designed to provide the student with related technical and manipulative skills necessary for entrance into the automotive heating and air conditioning field. Air condition servicing and diagnostics will be covered using approved recovery/recycling equipment. Training is also provided on the function of the vacuum, electrical, refrigeration and computer control circuits. (3 lec hrs.)

- + **AMT 46—Power Train (4)**
PreReq: AMT 20
CoReq: AMT 40C and 57
The theory, construction, design, service and repair of standard transmissions and clutches. (8 lec/lab hrs.)

- + **AMT 50—Auto Transmission (4)**
PreReq: AMT 20
CoReq: AMT 53 and 55
The use of testing equipment (pressure readings and vacuum test), adjusting bands, linkage adjustments, replacing worn parts, and troubleshooting procedures. (8 lec/lab hrs.)

- + **AMT 53—Brake Systems (4)**
PreReq: AMT 20
CoReq: AMT 50 and 55
The maintenance and repair of the hydraulic and power brake system. (8 lec/lab hrs.)

- + **AMT 55—Suspension and Steering (4)**
PreReq: AMT 20
CoReq: AMT 50 and 53
The theory, design, construction, service and repair of standard and power steering, and front and rear suspensions, including tires, wheels, alignment and balancing. (8 lec/lab hrs.)

- AMT 55B—Suspension and Steering (2)**
Theory, design, and construction of steering systems, suspension systems and alignment for non-major students. (2 lec hrs.)

- + **AMT 57—Emission (2)**
PreReq: AMT 20
CoReq: AMT 40C and 46
The service and repair of vehicle emission control systems and devices. (4 lec/lab hrs.)

- + **AMT 60H—Diagnostic and Repair: Electrical/Fuel System and Related Components (3)**
PreReq: AMT 20, 23, 30, 40B, 46, 57, 53, and 55
CoReq: AMT 60I, 60J, and 60K
The student will be exposed to different types of live auto repair jobs, but emphasis is placed on electrical/fuel systems and related components. (6 lec/lab hrs.)

- + **AMT 60I—Diagnostic and Repair: Engines and Related Components (3)**
PreReq: AMT 20, 23, 30, 40B, 57, 53, and 55
CoReq: AMT 60H, 60J, and 60K
The student will be exposed to different types of live auto repair jobs, but emphasis is placed on engines and related components. (6 lec/lab hrs.)

- + **AMT 60J—Diagnostic and Repair: Suspension/Brake and Related Components (3)**
PreReq: AMT 20, 23, 30, 40B, 46, 57, 53, and 55
CoReq: AMT 60H, 60I, and 60K
The student will be exposed to different types of live auto repair jobs, but emphasis is placed on suspension/brake and related components. (6 lec/lab hrs.)

- + **AMT 60K—Diagnostic and Repair: Power Train/Transmissions and Related Components (3)**
PreReq: AMT 20, 23, 40B, 46, 57, 53, and 55
CoReq: AMT 60H, 60I, and 60J
The student will be exposed to different types of live auto repair jobs, but emphasis is placed on power train/transmissions and related components. (6 lec/lab hrs.)

- AMT 80—Small Engine Repairs I (3)**
This course is designed to introduce the students to the field of small gasoline engine repair including an overview of job opportunities and skills required for a small engine repairman. An understanding of small engine technology shall be accomplished by exposing the student to basic principles and factory approved disassembly, inspection, and assembly. Emphasis is on shop safety, proper tool use and identification, and general construction and repair of small gasoline engines. (1 lec, 4 lec/lab hrs.)

- AMT 83—Chain Saw Repair (2)**
The Basic Chain Saw Repair course is designed to provide an understanding of chain saw technology by exposing the student to the basic principles of gasoline-powered chain saws with factory-approved disassembly and assembly procedures. (4 lec/lab hrs.)

- AMT 84—Small Engine II, Applications (3)**
This course will cover the applications of two- and four-cycle engines in various types of equipment. Classroom and laboratory experiences will include: 4-cycle Tecumesh, 2-cycle O & R engines, 2-cycle Sanshin engine, as well as other locally popular models. (6 lec/lab hrs.)

AMT 85—Small Engine III, Advanced Repair (2)

Theory of operation of two- and four-stroke cycle engines with practical experience in all aspects of their repair. Includes operating principles, carburetor and fuel systems, lubrication, ignition systems, cooling systems, mechanical construction, reconstruction, and troubleshooting. (4 lec/lab hrs.)

AMT 86—Outboard Engine Repair (4)

CoReq: AMT 80 or prior completion

Course covers the theoretical and operational aspects of two- and four-cycle outboard engines, their maintenance and repair. Includes operating principles, carburetors, fuel systems, lubrication, cooling, mechanical construction of powerhead, and troubleshooting. (8 lec/lab hrs.)

AMT 87—Advance Outboard Repair (4)

PreReq: AMT 86

Course covers advance work on powerheads, carburetors, fuel systems, lubrication systems, ignition systems; operating principles, troubleshooting, reconditioning, tune-up procedures, and proper use of test equipment. (8 lec/lab hrs.)

AMT 101—Basic Automotive Maintenance and Safety (2)

This course is designed to provide the student with related technical information on preventive maintenance for engines, power train, brakes, and steering/suspension systems. (2 lec hrs.)

Biochemistry

BioC 241—Fundamentals of BioChemistry (3)

PreReq: Math 26; and Eng 21 or placement in Eng 102

The fundamentals of general, inorganic and bio-organic chemistry and biochemical concepts as they apply to living systems. (3 lec hrs.)

Biology

+ If a student/participant is under 18 years of age a co-signature of parent or guardian is required on the Assumption of Risk and Release Form.

Biol 100—Human Biology (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Basic biology of cells, tissues, and organ systems applied to humans. (3 lec hrs.)

Biol 100L—Human Biology Laboratory (1)

CoReq: Biol 100 or prior completion

Experiments and exercises to accompany Biology 100, Human Biology. Function of human organic systems in relation to health, genetics and environment. (3 lab hrs.)

Biol 101—General Biology (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Recommended: concurrent enrollment in Biol 101L

A one semester introductory biology course for non-majors. Course covers molecular biology to ecosystems. (3 lec hrs.)

Biol 101L—General Biology Laboratory (1)

CoReq: Biol 101 or prior completion

Experiments and exercises to accompany Biology 101, General Biology. Survey of the functioning, diversity, evolution and ecology of living things at the molecular, cellular, organ system and ecosystem levels. (3 lab hrs.)

Biol 141—Human Anatomy and Physiology I (3)

CoReq: Biol 141L

Recommended: High school or college chemistry with lab; Microbiology preferred

Structure and function of the human body, including basic biochemistry, cells, and tissues. Includes detailed coverage of the integumentary, skeletal, muscular, digestive, respiratory and cardiovascular systems. (3 lec hrs.)

+Biol 141L—Human Anatomy and Physiology I Lab (1)

CoReq: Biol 141 or prior completion

Observation and identification of human tissues under light microscopy, in photomicrographs, and in Human models. Dissection of animal organs and tissues to complement lectures in Biology 141. (3 lab hrs.)

Biol 142—Human Anatomy and Physiology II (3)

PreReq: "C" or better in Biol 141 or consent of instructor

CoReq: Biol 142L

Recommended: High school or college chemistry with lab; Microbiology preferred

Structure and function of the human body, including metabolism, fluid and electrolyte balance, and genetics. Includes detailed coverage of the urinary, nervous, endocrine and reproductive systems. (3 lec hrs.)

+Biol 142L—Human Anatomy and Physiology II Lab (1)

CoReq: Biol 142 or prior completion

Observation and identification of human tissues under light microscopy, in photomicrographs, and in Human models. Dissection of animal organs and tissues to complement lectures in Biology 142. (3 lab hrs.)

+Biol 156—Natural History of the Hawaiian Islands (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

CoReq: Biol 156L

The formation of the Hawaiian Islands, establishment and evolution of their native flora and fauna, effects of man. (3 lec hrs.)

+Biol 156L—Natural History of the Hawaiian Islands Lab (1)

CoReq: Biol 156 or prior completion

Field trips to accompany Biology 156, Natural History of the Hawaiian Islands: required as part of the lecture course whenever offered with the course. Laboratory exercises will be completed during the field trips. (3 lab hrs.)

Biol 171—Introductory Biology I (3)

CoReq: (Chem 100 or Chem 151 or prior completion of either); and Biol 171L

Recommended: BioC 241

Covers principles of cell structure, replication, metabolism, classical and molecular genetics, as well as evolution. Also, biodiversity of prokaryotes, virus, fungi, and plants including plant structure and function. (3 lec hrs.)

Biol 171L—Introductory Biology I Laboratory (1)

CoReq: Biol 171

Recommended: High school Biology

Laboratory exercises will cover microscopy and cell structure, replication, and metabolism. Also exercises in classical and molecular genetics, and biodiversity of prokaryotes, virus, fungi and plants. (3 lab hrs.)

Biol 172—Introductory Biology II (3)

PreReq: Biol 171

CoReq: Biol 172L

Students will explore the biodiversity of animal-like protists, invertebrates, and vertebrates. Animal tissues, sensory reception and integration, endocrine system, support and movement, circulation, immunity, digestion, kidney function, reproduction, and development. Population and community ecology, energy flow, and biogeochemical cycles. (3 lec hrs.)

Biol 172L—Introductory Biology II Laboratory (1)

CoReq: Biol 172

Recommended: High school Biology

Exercises will cover structure, function, and natural history of animal-like protists, invertebrates, and vertebrates; structure and function of animal tissues, reproduction, development, and community ecology. (3 lab hrs.)

Blueprint Reading

Blpr 20—Mechanical Drawing (3)

A basic mechanical drawing course in the care and use of drafting instruments, orthographic projections, methods of dimensioning, pictorial drawings, auxiliary views, sectioning, and freehand sketching. (3 lec hrs.)

Blpr 22—Blueprint Reading and Drafting (3)

The use of mechanical drawing instruments to make shop drawings which include orthographic projection, dimensioning, and full section. Freehand sketching of shop drawings, isometric and oblique projection sketching. Reading blueprints of simple structures. (3 lec hrs.)

Blpr 30B—Blueprint Reading for Welders (3)

PreReq: Blpr 30D

Advanced principles of graphic presentation used in welding. Topics covered are sketching, notes and specifications, dimensioning, structural shapes, various types of views, preferred and nonpreferred welding symbols and abbreviations, and blueprints using metric measurements. (3 lec hrs.)

Blpr 30C—Blueprint Reading for Electricians (3)

PreReq: Blpr 22 and Elec 24

Reading of specifications and blueprints of residential dwellings to extract information that may affect the wiring of the structure. Designing and sketching of wiring diagrams of branch circuits which are in compliance with the National Electrical Code. (3 lec hrs.)

Blpr 30D—Blueprint Reading for Machine Trades I (3)

Basic principles of graphic presentation used in machine trade drawings. The terminology and nomenclature, interpretation of working drawings, and sketching of shop drawings. (3 lec hrs.)

Blpr 30E—Blueprint Reading for Machine Trades II (3)

PreReq: Blpr 30D

Advanced principles of graphic presentations used in the machine trades. Blueprints used will include sectionals, surface texture symbols, untrue projections, special views, symbology for geometric dimensioning and tolerances, screw thread representations, material designations, structural shapes and apparatus used for achieving certain mechanical outcomes and advantages. (3 lec hrs.)

Blpr 30F—Blueprint Reading for Carpenters (3)

A basic course in construction drawing and sketching using orthographic, isometric and oblique projection systems. Reading of blueprints and specifications including the interpretation of symbols, abbreviations, notes, types of lines, scales, and various dimensioning methods. Extracting of information from the various plan views, elevations, sectionals, and detail drawings. (2 lec hrs., 3 lab hrs.)

Blpr 40—Blueprint Reading and Estimates (3)

PreReq: Blpr 30F

Advanced principles of graphic presentation used in residential construction. The course covers the reading and interpretation of blueprints and specifications, preconstruction details, making of material takeoff, and making of working drawings and sketches. (3 lec hrs.)

Botany

Bot 101—General Botany (3)

PreReq: "C" or better in Eng 21 or "C" or better in Eng 22 or "B" or better in Eng 51 or placement in Eng 100 or placement in Eng 102

CoReq: Bot 101L

This is an introductory course in plant biology. Topics include cell structure and function, plant tissues and organs, reproduction and genetics. (3 lec hrs.)

Bot 101L—General Botany Lab (1)

PreReq: "C" or better in Eng 21 or "C" or better in Eng 22 or "B" or better in Eng 51 or placement in Eng 100 or placement in Eng 102

CoReq: Bot 101

This is a field-based introductory lab course in plant biology. Topics include plant classification, environments and related plant evolution in Hawai'i, scientific methodology, and plant identification. (3 lab hrs.)

Bot 105—Introduction to Ethnobotany (3)

PreReq: "C" or better in Eng 21 or "C" or better in Eng 22 or "C" or better in ESL 15 or "B" or better in Eng 51 or placement in Eng 100 or placement in Eng 102

Plants and their influence upon cultures: with special emphasis on Pacific Islander uses of cultivated and wild plants. (3 lec hrs.)

Bot 130—Plants in Hawaiian Environment (3)

PreReq: Eng 21 or Eng 22 or "B" or better in Eng 51 or ESL 15 or placement in Eng 100 or placement in Eng 102

CoReq: Bot 130L

An introductory course on the identification, ecology, and usage of common native and introduced trees, shrubs, vines, and flowers. Outdoor activities, including field trips, will be stressed. (3 lec hrs.)

Bot 130L—Plants in Hawaiian Environment Laboratory (1)

CoReq: Bot 130

Laboratory to accompany Bot 130. Identification ecology and usage of common native and introduced plants found in Hawai'i. The Laboratory will focus on applications of the material learned in the lecture through laboratory exercises and field trips. (3 lab hrs.)

Business (Bus)

Bus 20—Introduction to Business (3)

PreReq: ESL 9 or Eng 20R or Eng 51 or placement in Eng 21

Survey of the American free enterprise system. Major divisions: nature of business, forms of business, marketing, personal finance, labor unions, insurance, the role of government, and laws regulating business. Emphasis is placed on the vocabulary of business. (3 lec hrs.)

Bus 25—Starting Your Own Business (3)

Recommended: completion of basic math and communication courses

An introduction to the private business world. Designed for individuals who have or are acquiring skills and considering options such as opening their own business or are operating their own business. Topics include self analysis, obtaining technical assistance, financing a business, keeping business records, legal issues, risk assessment and developing a business plan. Upon completion, students will have developed a one-year business plan. (3 lec hrs.)

Bus 35—Computer Graphics Fundamentals (1)

Deleted.

Bus 36—Desktop Publishing Fundamentals (1)

Deleted.

Bus 55C—Business Math Concepts (1)

Deleted. (See Busn 89 and Busn 189)

Bus 55D—Business Mathematics of Accounting (1)

Deleted. (See Busn 89 and Busn 189)

Bus 55E—Business Mathematics of Merchandising (1)

Deleted. (See Busn 89 and Busn 189)

Bus 55F—Business Mathematics of Financing (1)

Deleted. (See Busn 89 and Busn 189)

Bus 55G—Business Mathematics of Investing (1)

Deleted. (See Busn 89 and Busn 189)

Bus 71—Human Relations in Organizations (3)

An action- and goal-oriented course designed to develop positive self-image and cooperative teamwork. Motivation, feelings, and emotions are discussed with particular reference to on-the-job problems. (3 lec hrs.)

Bus 100—CCNA 1: Networking Basics (3)

Deleted.

Bus 101—CCNA 2: Routers/Routing Basics (3)

Deleted.

Bus 102—CCNA 3: Switching/Inter Routing (3)

Deleted.

Bus 103—CCNA 4: WAN Technologies (2)

Deleted.

Bus 120—Principles of Business (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Surveys the fundamentals of the American business enterprise. Examines the foundations and responsibilities of accounting, business, management, finance, marketing, and the business environment. (3 lec hrs.)

Bus 157—Fundamentals of Web Design (3)

Deleted. (See Mkt 157)

Business (Busn)

Busn 84—Medical Transcription (3)

Recommended: Ability to keyboard 40 wpm

An introduction to medical office transcription in order to prepare medical documents, such as chart notes, diagnostic reports, consultations, office procedure notes, and correspondence. Students will learn how to identify correct terminology, spell and define terms, and prepare typical forms. (3 lec hrs.)

Busn 86—Legal Transcription (3)

Recommended: Ability to keyboard 40 wpm

An introduction to legal office transcription in order to familiarize students with the activities performed by a transcriptionist in a law firm. The course will include the knowledge, terminology, and background needed to prepare legal documents. (3 lec hrs.)

Busn 89—Electronic Calculating (1)

This course gives students practice with real world skills used in the modern business environment; emphasizes proper technique and speed with the ten-key pad found on calculators, computer keyboards, and cash registers; develops the ability to work with numbers and use of a calculator to perform business computations. (1 lec hr.)

Busn 121—Introduction to Word Processing (3)

Recommended: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Introduces proper keyboarding skills, computer terminology, and a widely used word processing software. Use of file management techniques and word processing software to produce mailable business documents are included. (3 lec hrs.)

Busn 123—Word Processing for Business (3)

Recommended: Oat 21BCD or Busn 121 or ability to keyboard 35 wpm

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. (3 lec hrs.)

Busn 150—Intro to Business Computing (3)

PreReq: "C" or better in Eng 20R or "C" or better in ESL 9 or placement in Eng 21

Recommended: OAT 21BCD or Busn 121 or keyboarding ability

An introduction to computers and the components of a business computer system, including "hands-on" exposure to elementary applications, and learning how computer technology can be applied to satisfy business needs. (3 lec hrs.)

Busn 151—Intermediate Business Computing (3)

PreReq: "C" or better in Bus 104 or "C" or better in Busn 150 or "C" or better in ICS 101

Expands the concepts of business computing introduced in Busn 150. Develops greater proficiency in creating, modifying, and printing documents, spreadsheets, database queries, reports and forms. Broadens knowledge of word processing, spreadsheet, database, and presentation software utilizing intermediate and advance level features of the software. Provides experience with typical business applications that utilize Intranet and Internet technologies. (3 lec hrs.)

Busn 160—Telephone Techniques and Communication (1)

Recommended: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

An introduction to various communication systems, particularly the telephone, e-mail, telecommunications, and mail systems. Emphasis will be on answering and using the telephone efficiently and courteously and taking messages for others. Identifying communication barriers and steps for overcoming them will be introduced. (1 lec hr.)

Busn 166—Professional Employment Preparation (1)

Recommended: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102. Ability to keyboard and knowledge of word processing.

Facilitates employment search by emphasizing professional techniques and standards in the preparation of application forms, resumes, cover letters, and employment interviews. (1 lec hr.)

Busn 170—Records and Information Management (3)

PreReq: Eng 20R or Eng 20W or ESL 9 or ESL 13 or placement in Eng 21 or placement in Eng 22 or placement in ESL 15

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 ARMA (Association of Records Managers and Administrators) rules for alphabetic, alphanumeric, geographic, numeric, and subject methods. Help a business or organization meet its fiscal, legal, governmental, requirements by managing its information systems. (3 lec hrs.)

Busn 182—Machine Transcription (3)

PreReq: Eng 20R or Eng 20W or ESL 9 or ESL 13 or placement in Eng 21 or placement in Eng 22 or placement in ESL 15

Recommended: Ability to keyboard 35 wpm and knowledge of word processing

An introductory course in machine transcription designed to improve communication skills-reading, listening, speaking, word usage, spelling, punctuation, proofreading, understanding sentence structure, to produce business communication from familiar and unfamiliar dictation. (3 lec hrs.)

Busn 189—Business Mathematics (3)

PreReq: Eng 20R or Eng 51 or ESL 9 or placement in Eng 21; and Math 1D or placement in Math 22

Introduces various accounting and finance computational procedures utilizing the calculator as a tool. Surveys concepts in algebra, logical structure, numeration systems, and statistics. Develops critical thinking skills in making personal and business decisions. (3 lec hrs.)

Busn 250—Expert Business Computing (3)

PreReq: Busn 151 or Bus 201

A course that covers expert-level features and functions of word processing, spreadsheet, database, and presentation applications. Multiple group projects will require students to work as a team, communicate clearly through oral and written interactions, display a professional attitude, apply leadership skills, apply current technologies, manage electronic files, and make efficient use of time and resources. Students will use research and decision making skills to make informed choices and confirm information. This course will serve as a capstone course for the BTEC program. (3 lec hrs.)

Busn 292—Integrated Office Procedures (3)

PreReq: Busn 123, 151, 166

CoReq: Busn 170 or prior completion

Emphasis is on office procedures for the administrative professional. Includes advanced word processing, spreadsheet, database, integration of applications, and critical thinking applications. Designed to bring together within a portfolio all elements of learning from the Business Technology program. (3 lec hrs.)

Business Machines

BMac 40—Machine Calculating Techniques I (4)

Deleted.

BMac 41—Machine Calculating Techniques II (4)

Deleted.



Carpentry

Carp 20A—Basic Carpentry I (3)

PreReq: Eng 20R or Esl 9 or "B" or better in Eng 51 or placement in Eng 21; and Math 1ABCD or placement in Math 22 or placement in Math 50

CoReq: Carp 21A

Students will learn and practice shop safety and the safe use, care and maintenance of hand tools. Identification of basic construction materials and fasteners, adherence to good work ethics, quality workmanship and customer satisfaction is also emphasized. (6 lec/lab hrs.)

Carp 21A—Basic Carpentry II (9)

PreReq: Eng 20R or Esl 9 or "B" or better in Eng 51 or placement in Eng 21; and Math 1ABCD or placement in Math 22 or placement in Math 50

CoReq: Carp 20A or prior completion

Students will develop basic carpentry skills required by industry. Covers the use, safety and maintenance of hand and power tools, identification and application of materials, joint construction and layout techniques. Lab work involves practice and construction of basic woodworking projects with emphasis placed on safety, good work ethics, conservation, accuracy, and overall craft professionalism. (18 lec/lab hrs.)

Carp 22—Concrete Form Construction (12)

PreReq: Carp 21A

This course is designed to familiarize students working with concrete. It covers the different types of concrete forms, laying out, materials and accessories, properties in concrete, leveling tools/instrument and special techniques in heavy concrete construction. (24 lec/lab hrs.)

Carp 41—Rough Framing and Exterior Finish (12)

PreReq: Carp 22

This course is designed for house construction. It involves footings and foundations, platform framing, wall and ceiling framing, roof framing and the different designs, roof coverings, and exterior sidings. Students will participate in actual construction. (24 lec/lab hrs.)

Carp 42—Finishing (12)

PreReq: Carp 21A

This course covers application of wall and ceiling panels; hanging doors and windows; construction and installation of cabinets and closets; application of moldings and trims; bathroom materials and finishing hardware, window and door frame construction, and installation and application of siding and trims. (24 lec/lab hrs.)

Chemistry

Chem 100—Chemistry for Non-Science Majors (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102; and Math 22 or placement in Math 26

Basic concepts of chemistry utilizing mathematics only where necessary, designed for the non-science major. (3 lec hrs.)

Chem 100L—Chemistry for Non-Science Majors Lab (1)

CoReq: Chem 100 or prior completion

Laboratory to accompany Chem 100; Basic concepts of chemistry utilizing mathematics only where necessary, designed for the non-science major. (3 lab hrs.)

Chem 151—Elementary Survey of Chemistry (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

CoReq: Chem 151L

Provides the beginning student with a background in the fundamentals of chemistry. (3 lec hrs.)

Chem 151L—Elementary Survey of Chemistry Laboratory (1)

CoReq: Chem 151 or prior completion

Laboratory of Chem 151: Provides the beginning student with a background in the fundamentals of chemistry laboratory. (3 lab hrs.)

Computing, Electronics, and Networking Technology

CENT 140—Network Fundamentals (3)

PreReq: "C" or better in Eng 21 or "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100 or placement in Eng 102

Recommended: Basic knowledge and use of PCs

Introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. Uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. Principles and structure of IP addressing and fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Students use a model of the Internet to analyze real data without affecting production networks. (2 lec hrs., 2 lec/lab hrs.)

CENT 240—Computer Networking II (4)

Deleted.

CENT 240B—Routing Protocols and Concepts (3)

PreReq: CENT 140

Course describes the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols. RIPv1, RIPv2, EIGRP, and OSPF. This course uses the Cisco Exploration curriculum and with other courses in the series, helps prepare students for the Cisco CCENT, CCNA and CompTIA Network+ industry certification examinations. (2 lec hrs., 2 lec/lab hrs.)

CENT 240C—LAN Switching and Wireless (3)

PreReq: CENT 140

This course helps students develop an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Beginning with a foundational overview of Ethernet, this course provides detailed explanations of LAN switch operation, LVAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Students analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced. (2 lec hrs., 2 lec/lab hrs.)

CENT 241—Accessing the WAN (3)

PreReq: CENT 240B and CENT 240C

This course explains the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Students learn about user access technologies and devices and discover how to implement and configure Point-to-Point Protocol (PPP), Point-to-Point over Ethernet (PPPoE), DSL, and Frame Relay. WAN security concepts, tunneling, and VPN basics are introduced. Concludes with a discussion of the special network services required by converged applications and an introduction to quality of service (QoS). (2 lec hrs., 2 lec/lab hrs.)

Culinary Arts

Culn 111—Introduction to the Culinary Industry (2)

Formerly FSer 20

CoReq: Culn 112, Culn 120, Culn 170

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. (2 lec hrs.)

Culn 112—Sanitation and Safety (2)

Formerly FSer 21

CoReq: Culn 111, Culn 120, Culn 170

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 HACCP (Hazard Analysis Critical Control Point) and other sanitation and safety programs will also be presented. Safety issues and OSHA (Occupational Safety and Health Administration) guidelines and standards will be covered as they apply to the hospitality industry. (2 lec hrs.)

Culn 115—Menu Merchandising (1)

Formerly FSer 23

PreReq: Culn 111, 112, 120, and 170

CoReq: Culn 131, 140, and 150

Students learn the basic principles of menu planning; including design and format, selection and development of menu items, and pricing structure. (1 lec hr.)

Culn 120—Fundamentals of Cookery (6)

Formerly FSer 50

CoReq: Culn 111, Culn 112, Culn 170, Math 50

This course is an introduction to the fundamental concepts, skills and techniques of food preparation. Course coverage includes basic cooking methods for soups, sauces, and stocks, meats, poultry, seafood, vegetables and starches. Students will learn to identify, use and maintain equipment, tools and utensils in a safe and sanitary manner. (3 lec hrs., 9 lab hrs.)

Culn 130—Intermediate Cookery (7)

Formerly FSer 60

PreReq: Culn 111, 112, 120, 170

CoReq: Culn 270

Students will increase their competency level in culinary arts with more complex food preparation and production techniques. (3 lec hrs., 12 lab hrs.)

Culn 131—Short Order Cookery (3)

Formerly FSer 52

PreReq: Culn 111, 112, 120, and 170

CoReq: Culn 115, 140, and 150

Students apply skillful manipulative methods in the mise en place, presentation, and service of foods requiring a short cooking time. Experience will be gained in stations demanding knowledge of mise en place, specific equipment, and production techniques for short order cookery. (1 lec hr., 6 lab hrs.)

Culn 140—Cold Food Pantry (4)

Formerly FSer 54

PreReq: Culn 111, 112, 120, and 170

CoReq: Culn 115, 131, and 150

The study and practice in preparation of cold food items such as salads, salad dressings, sandwiches, canapés, hors d'oeuvres and desserts, as produced in the pantry department. (1 lec hr., 9 lab hrs.)

Culn 150—Fundamentals of Baking (4)

Formerly FSer 62

PreReq: Culn 111, 112, 120, and 170

CoReq: Culn 115, 131, and 140

An introduction to baking. Specific instruction in the areas of safety, sanitation, and industrial housekeeping. Nomenclature, use, and care of tools and equipment used in the baking industry. Theory of and practice in the production of cakes, cookies, pies, and yeast products at the introductory level. A study of wheat, milling, and flour. An introduction to the mathematics-associated with formula construction and product control. (2 lec hrs., 6 lab hrs.)

Culn 160V—Dining Room Service/Stewarding (1-2)

Formerly FSer 41V

CoReq: Culn 120 or 131 or 240

Students study and practice a variety of table service techniques and procedures. Course coverage includes salesmanship of food and beverage, tableside service techniques, interpersonal communication, and managing work flow between the dining room and kitchen. Course coverage also provides students with the principles and practices of the beverage operation and application of stewarding in a hotel or food service establishment. (variable hours)

Culn 170—Food and Beverage Purchasing (3)

Formerly FSer 30

CoReq: Culn 111, 112, and 120

Study of the organization and operation of a central storeroom in a food service operation. Provides experience in purchasing, receiving, pricing, storing, distributing, and controlling the flow of food, beverages, and supplies. (1 lec hr., 6 lab hrs.)

Culn 185—Culinary Nutrition (3)

Provides basic overall nutrition education, including functions of nutrients, vitamins and minerals, metabolic and other physiological processes, diet-related health concerns, and global health issues. (3 lec hrs.)

Culn 220—Advanced Cookery (6)

Formerly FSer 70

PreReq: Culn 111, 112, 120, 130, 170, and 270

CoReq: Culn 240

This course involves the application of previously learned theory, skills and techniques in food preparation and presentation. More complex menu items will be involved in food production with emphasis on classical, traditional, international, and ethnic cuisines. Quality, food costs, and nutritional considerations are focused. Includes culinary experiences in the fine dining in the College's Gourmet Dining Room. (3 lec hrs., 9 lab hrs.)

Culn 240—Garde Manger (4)

Formerly FSer 72

PreReq: Culn 111, 112, 120, 130, 170, and 270

CoReq: Culn 220

A study of the basic Garde Manger principles, techniques, and skills in the preparation of specialty items such as: aspic, chaud-froid, forcemeats, pâtés, terrines, galantines, mousses, hot and cold hors d'oeuvres, and canapés. Buffet service will also be highlighted, emphasizing buffet menu planning, portion considerations, presentations, and line logistics. (2 lec hrs., 6 lab hrs.)

Culn 252—Patisserie (4)

Formerly FSer 63

PreReq: Culn 150

Expanded baking skills and techniques relating to specialty cakes, pastries, petit fours, yeast products, chocolate, cookies, and other more complex bake shop items will be studied and produced. Baking as a science to assure consistent results for a quality finished product. (2 lec hrs., 6 lab hrs.)

Culn 270—Food and Beverage Cost Control (5)

Formerly FSer 34

PreReq: Culn 111, 112, 120, and 170

CoReq: Culn 130

Students examine and identify the varied factors which influence food and beverage costs in a food service operation. Students use analytical tools and techniques to enable them to interpret, to make operational decisions, to identify problems in achieving cost and quality control in a food and beverage system. (3 lec hrs., 6 lab hrs.)

Dance

Dnce 153—Introduction to Dance Forms (3)

Introduction to dance through history and culture. Students will learn basic movement and vocabulary of the major dance forms through theoretical perspectives and the performance of dance skills in the studio. (3 lec hrs.)

Dnce 185—Modern/Jazz Dance I (3)

Introduces technical skill in modern and jazz vocabularies and explores the creative processes of dance. (2 lec hrs., 2 lec/lab hrs.)

Dnce 190V—Aerial Dance I (2-3)

Recommended: Dnce 185

An introduction to technical skills/creative processes in beginning aerial dance utilizing the single point low flying trapeze. (variable hours)

Dnce 256—Creative Movement (3)

Cross-listed as Ed 256

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Recommended: Ed 110 or Dnce 185 or FamR 230

An introduction to content, method, and processes for leading creative movement experiences for young people. The creative process, elements of movement and its relationship to other art forms, as well as its integration with other curricula are explored in this course. Teaching methods used in this course enable the design of lessons appropriate for a wide range of ages, interests, and developmental stages. Especially applicable to those in or planning to enter education or human service fields. May be repeated for credit, up to 6 credits. (3 lec hrs.)

Dnce 285—Modern/Jazz Dance II (3)

PreReq: Dnce 185

A continuation of Modern/Jazz Dance I in which the student will continue more in-depth work in technique, improvisation, and composition. Performance skills will be stressed. (2 lec hrs., 2 lec/lab hrs.)

Dnce 290V—Aerial Dance II (2-3)

PreReq: Dnce 190V

Recommended: Dnce 185

A continuation of Introduction to Aerial Dance in which the student learns more difficult technical skills and creative processes in aerial dance utilizing the single point low flying trapeze. (variable hours)

Diesel Mechanics

DiMc 20—Introduction to Diesel Engines (2)

This course introduces the students to the fundamentals of diesel service, theory, repair procedures, shop facilities and equipment, and nomenclature. To aid students in career selection and to instill safe, proper work attitudes. Shop tools and equipment and fastening devices will be covered. (1 lec hr., 3 lab hrs.)

DiMc 21—Engine Operating Principles (2)

This course is designed to introduce students to design, construction, theory, and operating principles of the internal combustion diesel engine. Study basic parts and purpose and function relative to engine operation, operating principles, the cycle operation, servicing and repair of engines. Shop activities include the disassembly, cleaning, inspection, reassembly, pre-start adjustments, starting, tune-up, and troubleshooting. (1 lec hr., 3 lab hrs.)

DiMc 22—Cylinder Blocks and Heads (2)

This course is designed to introduce students to the cylinder block and cylinder head as to its function and purpose. Construction, inspection and rebuilding of the cylinder block and heads discussed. Shop activities include disassembly, cleaning, inspection, reassembly, pre-start adjustments, starting, tune-up, and troubleshooting. (1 lec hr., 3 lab hrs.)

DiMc 23—Crankshaft and Bearings (2)

Designed to give the students an understanding of the crankshaft, design, parts, lubrication, balance, thrust accommodation, seals, and general inspection. Bearing removal, inspection, replacement, and reassembly will be part of the shop activities. (1 lec hr., 3 lab hrs.)



DiMc 24—Camshaft, Gear Train and Timing (2)

This course is a study of camshaft, gear train, and timing of the diesel engine. The purpose, design, operating principles, and inspection procedures of components will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, pre-start adj, starting, tune-up, and troubleshooting. (1 lec hr., 3 lab hrs.)

DiMc 25—Piston and Connecting Rod Assemblies (2)

This course is a study of piston and connecting rods. Design, purpose, material, inspection, and servicing procedure. Component serviceability determination, lubrication, and problem areas will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, starting, and troubleshooting. (1 lec hr., 3 lab hrs.)

DiMc 30—Introduction to Electrical Systems (2)

This course is a study of electricity and magnetism, electron theory, Ohm's Law to measure voltage, amperes, and resistance in a basic circuit. It covers types of electrical circuits, types of electrical current, battery, and the instruments used in checking electrical circuits. Shop activities include testing and charging batteries and connecting batteries using a series-parallel switch. (1 lec hr., 3 lab hrs.)

DiMc 31—Starting Systems and Circuits (1)

This course is a study of the starting systems and electrical starting circuit, various methods used to start the diesel engine, low temperature starting aids and components will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, and testing starters. Demonstrate ability to troubleshoot starting circuits. (2 lec/lab hrs.)

DiMc 32—Charging Systems and Circuits (2)

This course is a study of the charging systems of a diesel engine. Various charging systems, voltage regulators, instrument gauges and circuits will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, and testing alternators and generators. Demonstrate ability to troubleshoot charging circuits. (1 lec hr., 3 lab hrs.)

DiMc 33—Introduction to Fuel Systems (2)

A study of the basic functions of the diesel fuel system, diesel fuel classification and terminologies and fuel filters. Shop activities include servicing and basic checking of fuel flow circuits. (1 lec hr., 3 lab hrs.)

DiMc 34—Caterpillar Fuel Systems (1)

This course is a study of the caterpillar fuel injection systems. The design and operating principle of the five types of caterpillar fuel systems will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, pre-start adjustments, starting, and troubleshooting. (2 lec/lab hrs.)

DiMc 35—Detroit Fuel Systems (1)

This course is a study of the Detroit Diesel Fuel Injection Systems. The design operating principle of both two- and four-stroke cycle systems, servicing injectors, tune-up, control rack and throttle delay will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, testing, pre-start adjustments, starting, and troubleshooting. (2 lec/lab hrs.)

DiMc 36—Cummins Fuel Systems (1)

This course is a study of Cummins Fuel Injection Systems. The design, operating principles, injector and pump lubrication, injection timing control and governor types will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, testing, pre-start adjustments, starting, and troubleshooting. (2 lec/lab hrs.)

DiMc 37—Stanadyne Fuel Systems (1)

This course is a study of the Stanadyne and DPA distributor-type fuel injection pumps. The design, operating principle of the DM Series fuel pump will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, testing, pre-start adjustments, starting, and troubleshooting. (2 lec/lab hrs.)

DiMc 38—BOSCH-CAV (1)

This course is a study of United Technologies Diesel Fuel Systems formerly American Bosch, Robert Bosch, CAV and Diesel KIKI Port-and-Helix Fuel-Injection Pumps. The design, operation principles of in-line and distributor fuel pump will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, testing, pre-start adjustments, starting, and troubleshooting. (2 lec/lab hrs.)

DiMc 40—Introduction to PowerTrains (3)

This course introduces the students to the fundamentals of power train, service, theory of operation, repair procedures, preventive maintenance, troubleshooting, and power flow from engine to final drive, methods of power transmission, types of gears and bearings, lubrication, and maintenance. (1 lec hr., 3 lab hrs., 2 lec/lab hrs.)

DiMc 41—Clutches and Flywheels (1)

This course is the study of the types of clutches. The purpose, design, operating principles, inspection, maintenance and repair procedures of these components will be covered. Shop activities include the disassembly, cleaning, inspection, reassembly, and testing of components. (2 lec/lab hrs.)

DiMc 42—Mechanical Transmissions (1)

This course is a study of the types of mechanical transmissions. The purpose, design, operating principles, inspection, maintenance and repair procedures of these components will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, and testing of components. (2 lec/lab hrs.)

DiMc 43—Drive Lines and Power Take-Offs (2)

A study of the components of the drive line and power takeoffs. The purpose, design, operating principles, inspection, maintenance and repair procedures will be covered. Shop activities include disassembly, cleaning, inspection, and reassembly. (1 lec hr., 3 lab hrs.)

DiMc 44—Differentials and Final Drives (2)

This course is a study of the different types of differentials and final drives. The purpose, design, operating principles, inspection, maintenance and repair procedures will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, and pre-installation adjustments. (1 lec hr., 3 lab hrs.)

DiMc 45—Torque Converters and Hydraulic Assist Transmissions (2)

This course is a study of the different types of torque converters and hydraulic assist transmissions. The purpose, design, operating principles, inspection, maintenance and repair procedures will be covered. Shop activities include disassembly, cleaning, inspection and reassembly of components. (1 lec hr., 3 lab hrs.)

DiMc 46—Hydrostatics (1)

This course is a study of the different types of hydrostatic drives. The purpose, design, operating principles, inspection, maintenance and repair procedures will be covered. Shop activities include disassembly, cleaning, inspection, and reassembly of components. (2 lec/lab hrs.)

DiMc 50—Brakes (2)

This course is a study of the different types of brakes. The purpose, design, operating principles, inspection, maintenance and repair procedures will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, and testing of the brakes and its components. (1 lec hr., 3 lab hrs.)

DiMc 51—Suspension and Steering (2)

This course is a study of the different types of suspension and steering systems. Purpose, design, operating principles, inspection, maintenance and repair procedures will be covered. Shop activities include disassembly, cleaning, inspection, reassembly and testing of suspension and steering system components. (1 lec hr., 3 lab hrs.)

DiMc 52—Engine Lubricant and Lubrication Systems (2)

This course is a study of engine lubricants and lubrication systems of the diesel engine. Purpose of oil, oil recommendations, type of oil filters, oil coolers, lubrication pumps, and oil leakage test will be covered. Shop activities include disassembly, cleaning inspection, troubleshooting, and reassembly. (1 lec hr., 3 lab hrs.)

DiMc 53—Engine Coolants and Cooling Systems (2)

This course is a study of engine coolants and cooling systems of the diesel engine. The purpose of the coolants, coolant recommendations, circuits and components will be covered. Shop activities include cleaning, inspection, starting, and troubleshooting. (1 lec hr., 3 lab hrs.)

DiMc 54—Air Intake and Exhaust Systems (2)

This course is a study of air intake and exhaust systems of the diesel engine. The purpose, design, types of aftercoolers, air cleaners, blowers of the intake system and the purpose, design, and turbochargers of the exhaust system and maintenance of these systems will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, starting, and troubleshooting. (1 lec hr., 3 lab hrs.)

DiMc 55—Hydraulics/Pneumatics (3)

This course is a study of the hydraulic/pneumatic systems. The purpose, design, operating principles, inspection, maintenance and repair procedures will be covered. Shop activities include disassembly, cleaning, inspection, reassembly, and testing of various hydraulic/pneumatic components. (2 lec hrs., 3 lab hrs.)

E-Commerce

ECom 100—Introduction to E-Commerce (3)

PreReq: Eng 21 or placement in Eng 102; and Mkt 157
Recommended: Basic experience with computer usage and the Internet. Basic knowledge of Marketing. Basic knowledge of Web design.

Presents the basics of conducting business online and the technological issues associated with constructing an electronic commerce Web site. Students will learn how to implement an actual transaction-capable Web site, including various strategies and solutions available for the administration of E-Commerce sites and the integration of data into existing business infrastructure. (3 lec hrs.)

Economics

Econ 20—Consumer Economics (3)

A consumer emphasis on money management for everyday living, income loans and savings, home investment, personal expenditures, deductions, and withholding taxes and interests. (3 lec hrs.)

Econ 50—Business Economics (3)

A one-semester course that provides general understanding of the functioning of economic systems, including monetary institutions and policies, unemployment, inflation, and other public issues. (3 lec hrs.)

Econ 120—Principles of Economics (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

General understanding of the functioning of economic systems, including various approaches to the organization of production and allocation of resources, and of policies to achieve national economic goals. These include determination of national income, inflation, recession, unemployment, taxation, labor unions, environmental pollution, energy, and economic growth. (3 lec hrs.)

Econ 130—Principles of Microeconomics (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100; and Math 25 or 25X or Math 26 or placement in Math 100

This course analyzes the market mechanism, prices, competition, and the efficient allocation of scarce resources. Formulates possible solutions to contemporary economic and social issues such as world food problems, poverty and distribution of income, market power of business including multinationals, role of labor unions, energy crisis, environmental pollution, consumerism, and welfare. (3 lec hrs.)

Econ 131—Principles of Macroeconomics (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100; and Math 25 or 25X or Math 26 or placement in Math 100

This course analyzes the forces determining national and international economic performance in employment, inflation, production, money supply, and trade. Presents in historical context the modern economic situation. Describes relative roles of major economic institutions such as businesses, labor unions, government agencies, international organizations, and the banks. (3 lec hrs.)

Education

Ed 105—Introduction to Early Childhood (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Introduces and explores the historical roots and fundamental principles of early childhood care and programs, the variety and scope of programs in the community, issues confronting the field, and career options. (3 lec hrs.)

Ed 110—Developmentally Appropriate Practices (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Provides a practical guide and overview of the basic awareness, attitudes, knowledge and skills necessary for working with children birth through age eight. Introduces concepts of developmentally appropriate practices, the importance of play, and inclusion of children with special needs. (3 lec hrs.)

Ed 115—Health, Safety, and Nutrition for the Young Child (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Introduces theories and practices for creating and maintaining a safe, healthy learning environment for young children and adults in group settings. Introduces guidelines and practices for providing for the nutritional needs of young children and adults in group settings. (3 lec hrs.)

Ed 131—Early Childhood Development: Theory to Practice (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Covers principles of human development from conception through early childhood. Focuses on the interrelation of physical, cognitive, emotional and social aspects of the individual during this period and how this information of development affects one's expectations and relationship to the individual child. (3 lec hrs.)

Ed 134—Introduction to Observation of Children (1)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Provides guided experiences in observing young children in selected community sites. Develops skills in observing and recording children's behaviors accurately, descriptively, and objectively. Explores and observes models of early childhood programs. (2 lec/lab hrs.)



Ed 140—Guidance of Children in Group Settings (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Addresses positive ways to support children's social-emotional development. Focuses on adult-child and child-child interactions and relationships. (3 lec hrs.)

Ed 152—Early Literacy Development (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

This course begins with a survey of the history and contemporary issues and trends in early literacy development. It includes an in-depth exploration of how young children learn to read and write and what teachers and caregivers need to know and be able to do to support literacy development from birth through the primary years. (3 lec hrs.)

Ed 170—Introduction to Infants and Toddlers (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Provides an overview of the basic skills in working with infants and toddlers in groups. Focuses on interactive aspects of child development, infant-toddler caregiving routines and environments, caregiver roles, and ways to enrich experiences and to promote strong relationships with families. (3 lec hrs.)

Ed 190—Early Childhood Laboratory (4)

PreReq: "C" or better in Ed 105 and "C" or better in Ed 110 and "C" or better in Ed 131, and consent of instructor

Provides the early childhood student with information on health and safety practices and appropriate curriculum in early childhood programs. Provides a setting to observe and experience maintaining a healthy, safe environment for children and staff, and to gain skills in working effectively with children, teachers and parents in a "model" early childhood program. Allows the student to participate in a group program for young children. Provides supervised practice in planning and guiding children's learning and routine living activities. Nine hours in a campus laboratory and one hour in seminar per week. (1 lec hr., 9 lab hrs.)

Ed 191—Early Childhood Practicum I (4)

PreReq: "C" or better in Ed 105 and "C" or better in Ed 110 and "C" or better in Ed 131 and consent of instructor

Provides practical application of early childhood studies which allow the student to participate in a group program for young children. Supervised practice in planning and guiding learning, and children's routine living activities. Emphasizes experiences that increase student's skills in dealing with group and individual behavior. Twelve hours practicum and discussion. (12 lab hrs.)

Ed 245—Child, Family, and Community (3)

PreReq: Ed 105

Develops communication skills in establishing effective partnership relationships with diverse families and other adults. Introduces students to the local resources available for family referral. (3 lec hrs.)

Ed 252—Early Childhood Curriculum: Communication (3)

PreReq: Ed 110 and Ed 131

Provides an overview of literacy, language arts, and literature for the early childhood years. Includes the teacher's role, the developmental perspective, teaching strategies, and materials in each area. Covers basic components and alternative structures for each of the subjects; as well as planning lessons, units, and making materials and games. Emphasizes practical, usable ideas and integrating subject areas into overall curriculum. A three hour weekly laboratory in an Early Childhood setting is required. (2 lec hrs., 3 lab hrs.)

Ed 253—Early Childhood Curriculum: Physical (3)

PreReq: Ed 110 and Ed 131

Provides an overview of sensory, small muscle and large muscle development for the early childhood years. Includes the teachers' role, the developmental perspective, teaching strategies and materials in each area. Covers basic components and alternative structures for each of the subjects; as well as planning lessons, units, and making materials and games. Emphasizes practical, usable ideas and integrating subject areas into overall curriculum. A three hour weekly laboratory in Early Childhood setting is required. (2 lec hrs., 3 lab hrs.)

Ed 254—Early Childhood Curriculum: Cognitive (3)

PreReq: Ed 110 and Ed 131

Provides an overview of science, mathematics, and social studies for the early childhood years. Includes the teachers' role, the developmental perspective, teaching strategies and materials in each area. Covers basic components and alternative structures for each of the subjects; as well as planned lessons, units and making materials and games. Emphasizes practical, usable ideas and integrating subject areas into overall curriculum. A three hour weekly laboratory in an Early Childhood setting is required. (2 lec hrs., 3 lab hrs.)

Ed 255—Early Childhood Curriculum: Creative (3)

PreReq: Ed 110 and Ed 131

Provides an overview of art, music, creative movement and dramatics for the early childhood years. Includes the teachers' role, the developmental perspective, teaching strategies and materials in each area. Covers basic components and alternative structures for each of the subjects; as well as planned lessons, units, and making materials and games. Emphasizes practical, usable ideas and integrating subject areas into overall curriculum. A three hour weekly laboratory in an Early Childhood setting is required. (2 lec hrs., 3 lab hrs.)

Ed 256—Creative Movement (3)

Cross-listed as Dnce 256

Ed 263—Language and Creative Curriculum (3)

PreReq: Ed 110 and Ed 131

Theoretical foundation and practice in the planning, implementation and assessment of the language arts and creative expression curriculum. Students must have regular contact with preschool children for implementation of course assignments in a setting approved by the instructor. (3 lec hrs.)

Ed 264—Inquiry and Physical Curriculum (3)

PreReq: Ed 110 and Ed 131

Theoretical foundation and practice in the planning, implementation and assessment of the inquiry and physical curriculum. Students must have regular contact with preschool children for implementation of course assignments in a setting approved by the instructor. (3 lec hrs.)

Ed 275—Inclusion of Children with Special Needs (3)

PreReq: Ed 105; and Ed 131; and Ed 110

Introduces legal, historical and research information about serving young children with special needs in inclusive environments. Introduces issues and practices associated with establishing partnerships with families and collaborative relationships that contribute to meeting the diverse needs of children in inclusive settings. Facilitates the development of skills to adapt and modify the learning environment and educational curriculum in line with developmentally appropriate practice. Introduces traditional and alternative assessment and identifies the skills necessary to facilitate successful transitions from early childhood setting to the elementary school. (3 lec hrs.)

Ed 280—Introduction to Early Childhood Program Administration (2)

PreReq: Ed 190 or Ed 191 or consent of instructor

Recommended: Experience/employed as an Early Childhood Program Administrator

Provides an introduction to administrative principles and practices of program planning, organization, personnel management, boards, and regulatory agencies. Surveys program handbooks, personnel policies, assessment tools, community resources, and fund-raising ideas. (2 lec hrs.)

Ed 291—Early Childhood Practicum II (4)

PreReq: Ed 140; and "C" or better in Ed 190 or "C" or better in Ed 191; and consent of instructor

Provides advanced practical application of early childhood studies which allows the student to participate in a group program for young children. Supervised practice in planning and guiding learning, and children's routine living activities. Emphasizes experiences that increase student's skills in dealing with group and individual behavior. Twelve hours practicum and discussion. (12 lab hrs.)

Electrical Installation and Maintenance Technology

Elec 22—Electricity II (12)

PreReq: "C" or better in Elec 24

Basic electron theory, Ohm's Law, batteries, electromagnetism, motors and generators, electrical conductors and wire sizes, wiring methods and materials, basic electrical system, analyzing National Electric Code, motor troubleshooting and repair, small motor circuit design, and overload protection. (6 lec hrs., 15 lab hrs., 2 lec/lab hrs.)

Elec 24—Interior Wiring (12)

PreReq: Eng 20R or ESL 9 or placement in Eng 21

CoReq: Math 51 or prior completion

Safety regulations and codes, use of hand tools and equipment, basic interior wiring for light and power, electrical plans and symbols, series and parallel circuits, electrical code interpretations, residential wiring systems and circuitry, and use of electrical test instruments. (6 lec hrs., 15 lab hrs., 2 lec/lab hrs.)

Elec 41—Alternating Current (12)

PreReq: "C" or better in Elec 22

Alternating current principles, series and parallel circuit characteristics, single-phase and three-phase services, commercial and industrial wiring systems, N.E.C. basic motor controls, testing for high grounds, insulation, light and power loads, residential wiring, evaluating installations, and basic motor controls hookups. (6 lec hrs., 15 lab hrs., 2 lec/lab hrs.)

Elec 43—Industrial Electricity (12)

PreReq: "C" or better in Elec 41

Polyphase circuits and wye and delta connections, transformers and applications, industrial and commercial blueprint reading, N.E.C. test equipment, voltage test observations, fire alarm systems, motor controls, lighting controls, and hazardous location wiring and troubleshooting electrical systems. (6 lec hrs., 15 lab hrs., 2 lec/lab hrs.)

Electronics Technology

Etro 10—Survey of Electronics (3)

Survey course for pre- and non-majors. Provides general information about electronics and its effects on high technological industries and associated careers. Not part of degree program. (3 lec hrs.)

Etro 11—Electronics, Assembling and Packaging (2)

Basic concepts and techniques in fabrication of electronic equipment and associated safety precautions that apply to tools and procedures. Designed for pre- and non-majors. Not part of degree program. (1 lec hr., 3 lab hrs.)

Etro 20—Fundamentals of Electronics (5)

CoReq: Etro 20L; and Math 66 or prior completion

Electron physics, Ohm's Law, direct and alternating current circuit theory, principles of magnetism, electronic components; the care, use, and construction of basic meters for voltage, current, and resistance measurements. (5 lec hrs.)

Etro 20L—Fundamentals of Electronics Lab (3)

CoReq: Etro 20; and Math 66 or prior completion

Lab assignments to apply circuit theory as presented in Etro 20. The proper uses of the VOM, VTVM, DMM, ammeter, oscilloscope, signal generator and regulated power supply are stressed in this course. (10 lab hrs.)

Etro 22—Application of Electronics (5)

PreReq: Etro 20 and 20L; and Math 66

CoReq: Etro 22L and 32

The theory of vacuum tubes and semiconductor devices, measurement and analysis of the types of power supplies, amplifiers and oscillator circuits are emphasized in this course. (5 lec hrs.)

Etro 22L—Application of Electronics Lab (3)

CoReq: Etro 22 and 32

Lab assignments will apply component and circuit theory as presented in Etro 22. The proper use of the tube tester, transistor tester, and transistor curve tracer is also presented in this course. (10 lab hrs.)

Etro 23—Fabrication (2)

CoReq: Etro 23L

General shop safety, care and use of hand and power tools, soldering techniques, chassis layout and construction techniques and fabrication materials, and repair processes and techniques used on electronic equipment and devices. (2 lec hrs.)

Etro 23L—Fabrication Lab (2)

CoReq: Etro 23

General shop safety, care and use of hand and power tools, soldering techniques, chassis layout and construction techniques and fabrication materials, and printed circuit board fabrication and repair processes and techniques. (6 lab hrs.)

Etro 25—Electronics Test Instruments (3)

PreReq: Etro 20, 20L, 22, 22L, 37, 37L, 40, 40L, 45, and 45L

CoReq: Etro 25L

The theory, operation, maintenance, and calibration of the VOM, VTVM, oscilloscopes, audio generators, RF generators, sweep frequency generators, impedance bridge, pulse generators, digital frequency counters, and digital voltmeters. (3 lec hrs.)

Etro 25L—Electronics Test Instruments Lab (2)

CoReq: Etro 25

Lab assignments provide the student "hands-on" experience in maintaining and calibrating instruments studied in Etro 25. The techniques in precision measurements are studied and applied. (6 lab hrs.)

Etro 30—Communications (4)

PreReq: Etro 20, 20L, 22, 22L, 25, 25L, 37, 37L, 40, 40L, 45, and 45L

CoReq: Etro 30L

Theory of operation, installation, and maintenance of transmission lines, antennas, transmitters, receivers, and related equipment. (4 lec hrs.)

Etro 30L—Communications Lab (3)

CoReq: Etro 30

Lab assignments to give the student experience in troubleshooting, repairing, aligning, and operating of transmitters and receivers used in radio communications. The use of the spectrum analyzer, RF power meter, AM/FM signal generator, and other RF test equipment is emphasized in this course. (9 lab hrs.)

Etro 32—Electronic Circuit Analysis (4)

PreReq: Etro 20 and 20L; and Math 66

CoReq: Etro 22 and 22L

Utilizes the basics learned in electronics math (Math 66) and DC/AC circuit fundamentals for the analysis and solution of circuit problems, using transistors, op-amps and digital logic gates. (8 lec/lab hrs.)

Etro 37—Digital Electronics (2)

PreReq: Etro 20 and 20L

CoReq: Etro 37L

Instruction in the areas on non-sinusoidal wave forms, pulse generating and shaping, switching and gating; integrated circuit modules and logic circuit designs and applications. (2 lec hrs.)

Etro 37L—Digital Electronics Lab (1)

PreReq: Etro 20 and 20L; and Math 66

CoReq: Etro 37

Lab assignments in which the student constructs, tests, and verifies the theory of operation for circuits studied in Etro 37. The proficient use of the oscilloscope to measure time and voltages is stressed in this course. (3 lab hrs.)

Etro 40—Micro Processor Electronics (3)

PreReq: Etro 32

CoReq: Etro 40L

A course in basic TTL digital logic which starts with basic FLIP-FLOPs and ends with the complex LSI circuits—IC and logic circuit applications, counters, scalars, registers, and introduction to microprocessors and personal computers. (3 lec hrs.)

Etro 40L—Micro Processor Electronics Lab (3)

PreReq: Etro 32

CoReq: Etro 40

This is a hands-on course where the student is required to build, test, and verify the operations of microprocessor and microcomputer circuits presented in Etro 40. The student will use the digital multimeter and an oscilloscope to evaluate the circuit operation. (9 lab hrs.)

Etro 43—Computer/Networking and Hardware (4)

PreReq: Etro 40, 40L, 45 and 45L

CoReq: Etro 43L

Introduction to PC computer basics, communication systems, networks, the essentials of cabling voice and data networks, LAN/WAN protocols and the Internet working with hubs, bridges, routers, switches, ISDN, TCP/IP and ATM in preparation for work in the field of network service and maintenance. (4 lec hrs.)

Etro 43L—Computer/Networking and Hardware Lab (3)

PreReq: Etro 40, 40L, 45 and 45L

CoReq: Etro 43

A hands-on training course in which the student will set up, install, configure and troubleshoot a laboratory PC server, network hardware and software associated with the laboratory network system. (9 lab hrs.)

Etro 45—Electronic Circuits and Systems (3)

PreReq: Etro 20, 20L, 22, 22L and 32; and Math 66

CoReq: Etro 45L

Basic electronic circuits used in communication, navigation, microwave and radar, oceanography, industrial, medical, and consumer systems. (3 lec hrs.)

Etro 45L—Electronic Circuits and Systems Lab (3)

CoReq: Etro 45

Lab assignments in which the student constructs, tests, and verifies the theory of operation for circuits studied in Etro 45. The proficient use of basic electronic test equipment is stressed. (9 lab hrs.)

Etro 52—Industrial Electronics (7)

PreReq: Etro 20, 20L, 22, 22L, 25, 25L, 37, 37L, 45, and 45L

Electronic circuits used in industrial process control; motor control systems, photoelectric control magnetic amplifiers, servo mechanisms, heating/curing and computer control systems. (4 lec hrs., 9 lab hrs.)

Etro 57—Electronics Servicing (2)

PreReq: Etro 45 and 45L

CoReq: Etro 57L

The theory of operation, troubleshooting and repair techniques for consumer products such as radios, televisions, record players, tape recorders, and stereo equipment. (2 lec hrs.)

Etro 57L—Electronics Servicing Lab (3)*PreReq: Etro 45 and 45L**CoReq: Etro 57*

Lab assignments include diagnosis of malfunctions, repair and alignment of color television sets, tape recorders, and other radio equipment. The use of special test instruments, including color-bar generator, FM stereo generator, RF signal generator, distortion analyzer, and audio power meter. (9 lab hrs.)

Etro 160—Laser Safety and Applications (1)*PreReq: Eng 20R or ESL 9 or "B" or better in Eng 51 or placement in Eng 21; and "C" or better in Math 66 or placement in Math 26*

Introduces students to laser applications and safety. Topics covered: physical properties of light and how it is used to generate laser beams for industry use; effects of laser radiation on the anatomy and physiology of the eyes and other human organs and protective measures to use; calculations and measurement of laser beam intensities to determine necessary safety measures. Hands-on experiments will familiarize users with proper use of lasers and safety practices. (1 lec hrs.)

Etro 161—Introduction to Optics and Photonics (3)*PreReq: "C" or better in Etro 160*

Introductory photonics course covering the physics of light, geometric optics, lenses, mirrors, polarizing lenses, interference/diffraction waves, laser physics, optical imaging and bio-photonics. Lab experiments and projects reinforce the theory and provide practical experience for those interested in pursuing a career in this field. (6 lec/lab hrs.)

Etro 166—Introduction to Fiber Optics (3)*PreReq: Eng 20R or ESL 9 or "B" or better in Eng 51 or placement in Eng 21; and "C" or better in Math 66 or placement in Math 26*

An introduction to fiber optic communications providing basic background information. Features hands-on training using industry standard termination tools/procedures and test equipment in installation, testing, and maintenance of fiber optic cabling systems. Provides a comprehensive overview of fiber optics as used in communications systems including telephone, CATV, and computers. Serves as a preparation course for the certified fiber optics installer or technician certification exam. Covers basics of the technology and its components for fiber optic communications; types of fiber, cabling, connectors and splices, couplers and other passive components, transmitters and receivers, optical switches, modulators, tools, and test equipment. (3 lec hrs.)

Which English Course Should I Take?

English (Eng) courses cover two different areas: Reading and Writing, and different progressions for native speakers of English and non-native speakers of English (ESL). If you have any questions, see an advisor or counselor.

Progression I: Native Speaker of English

Reading: FIRWM*/PREP** ⇒ Eng 18 ⇒ Eng 20R ⇒ Eng 21 ⇒ Eng 102
 Writing: FIRWM/PREP ⇒ Eng 20W ⇒ Eng 22 ⇒ Eng 100

Progression II: Non-Native Speaker of English (ESL)

Reading: IEP***/PREP ⇒ ESL 7 ⇒ ESL 9 ⇒ Eng 21 ⇒ Eng 102
 Writing: IEP***/PREP ⇒ ESL 11 ⇒ ESL 13 ⇒ ESL 15 ⇒ Eng 100

Progression for Vocational-Technical Majors

Reading: FIRWM/PREP ⇒ Eng 51/Eng 20R ⇒ Eng 21 ⇒ Eng 102

Carefully review the Eng requirements for your major. Also see your program advisor. Closely check the prerequisites for each course to see what must be taken *before* enrolling in that course. For example, Eng 257A has a prerequisite (PreReq) of Eng 100.

Placement testing is required for all Eng courses. Other HawCC courses may have Eng prerequisites. For example, Psy 100 requires Eng 21 or placement in Eng 102; *and* Eng 22 or ESL 15 or placement in Eng 100.

* FIRWM: Foundations in Reading, Writing, and Math (non-credit classes)

** PREP: Non-credit reading, writing, and math classes that prepare students for college coursework

*** IEP: Intensive English Program

English

All students are required to take a reading and a writing placement test before enrolling in any reading or writing class at HawCC. Concurrent UHH classified majors should check the Placement Testing information in this catalog.

Eng 18—Reading Essentials (3)

PreReq: Placement in Eng 18

A reading fundamentals course designed to develop reading comprehension, vocabulary acquisition, and study skills. Some of the activities will include building vocabulary skills through phonics, context clues, and word structure; improving comprehension by finding the main ideas, making inferences and recognizing patterns of organization; developing study skills by practicing good time management and taking organized notes; and learning to use information retrieval skills. (3 lec hrs.)

Eng 20R—Reading and Learning Skills (3)

PreReq: Eng 18 or placement in Eng 20R

A reading and learning skills course designed to develop vocabulary, comprehension skills, and the ability to think clearly. Activities will include improving listening skills, notetaking, textbook reading, independent lab work and learning/study skills necessary for college survival. Writing will be used to promote reading and study skills. (3 lec hrs.)

Eng 20W—College Writing and Grammar (3)

PreReq: Placement in Eng 20W

Instruction and practice in writing varied and effective sentences with correct sentence structure, grammar, word choice, punctuation, and spelling. Instruction and practice in writing and editing paragraphs which demonstrate proficiency in sentence skills. Exit examination required. (Not applicable to AA and AS degrees) (3 lec hrs.)

Eng 21—Developmental Reading (3)

PreReq: "C" or better in ESL 9 or Eng 20R or placement in Eng 21

Reading to find main ideas and specific details, to draw inferences, and to develop critical judgment. Training to develop flexible reading rates, study skills, and vocabulary. Drill and practice in independent reading activities. (3 lec hrs.)

Eng 22—Introduction to Expository Writing (3)

PreReq: "C" or better in Eng 20W or placement in Eng 22; and Eng 20R or Eng 51 or placement in Eng 21

Instruction and practice in writing clear, effective, well-developed paragraphs and short essays using various modes of development. Exit examination required. (3 lec hrs.)

Eng 51—Occupational Reading (3)

PreReq: Placement in Eng 51

Vocational-technical reading for trade and industry majors. Emphasis in the following areas: study skills for trades courses, technical vocabulary, vocational reading, problem solving, reading rate, and technical library resources. Consent of instructor is required for non-trade and industry majors. (3 lec hrs.)

Courses restricted to majors:

- 51A—Auto Mechanics
- 51B—Auto Body Repair/Painting
- 51C—Carpentry
- 51D—Diesel mechanics
- 51E—Electricity
- 51F—Food Service
- 51G—Generic section for any vocational major
- 51M—Machine Shop
- 51T—Accounting
- 51W—Welding

Eng 55—Business Communications (3)

PreReq: "C" or better in Eng 20W or "C" or better in ESL 13 or placement in Eng 22 or placement in ESL 15; and OAT 21B-C-D or OAT 23; and sophomore standing

A course in writing purposeful, effective business letters through experience in analyzing problem situations. Fundamentals of written communication skills will be emphasized. (3 lec hrs.)

Eng 60—Technical Report Writing (3)

PreReq: Eng 20R or Eng 51 or placement in Eng 21; and "C" or better in Eng 20W or "C" or better in ESL 13 or placement in Eng 22 or in ESL 15

Analyzing and organizing technical data. Structuring factual materials by writing in a clear and concise manner. Use of technical terms. (3 lec hrs.)

Eng 100—Expository Writing (3)

PreReq: Eng 21 or "B" or better in Eng 51 or placement in Eng 102; and "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100

Instruction and practice in writing clear, effective university-level prose. Attention to all stages of the process—generating ideas, drafting, revising, and editing. (3 lec hrs.)

Eng 102—College Reading Skills (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 20W or ESL 13 or placement in Eng 22

Emphasis on reading college-level materials, including improvement in the following areas: problem solving skills, reading and interpreting literature, college vocabulary, study skills, library research skills, and speed reading skills to become a flexible reader. (3 lec hrs.)

Eng 103—Critical Reading, Thinking, Problem Solving (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Emphasis on critical reading, thinking, and problem solving skills, and interpreting literature. Use of higher level reading skills of analysis, interpretation, and integration to develop increased thinking and reading proficiency at the college level. (3 lec hrs.)

Eng 105—Reading Film (3)

PreReq: "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100

Introduces students to the study of film techniques, types, and interpretation. Using a variety of films, especially those with a connection to Hawai'i, the course surveys a wide range of topics, including cinematography, editing, genre, production, history and analysis. Fictional films and their alternatives including the documentary will be studied to develop visual literacy - the ability to read moving images. (3 lec hrs.)

Eng 204—Creative Writing (3)

PreReq: "C" or better in Eng 100

Students will practice writing poems, scenes, and short stories. Includes creative writing assignments and discussions of each student's writing. May be repeated for credit, up to 9 credits. (3 lec hrs.)

Eng 205—News Writing (3)

Cross-listed as Jour 205

PreReq: "C" or better in Eng 100; and "C" or better in Eng 102

Recommended: Knowledge of word processing

An introductory course in writing, newsgathering, editing, and journalistic ethics. Covers the basics of writing for publication in newspapers, magazines, and the Internet. (3 lec hrs.)

Eng 215—Research Writing for Humanities and Social Sciences (3)

PreReq: “C” or better in Eng 100; and “C” or better in Eng 102
Recommended: Students should have experience in using computers for research and writing.

Building on reading and writing skills acquired in English 100 and English 102, course emphasizes academic reading, writing, and research skills for students in Humanities and Social Sciences. Focuses on blending at least two or three rhetorical modes, using MLA and APA documentation styles, in writing informative, analytical, and argumentative essays supported by research. (3 lec hrs.)

Eng 255—Types of Literature: Short Story and Novel (3)

PreReq: Eng 100

An introduction to two major types of English literature: the short story and the novel. Students will read, analyze, and discuss works of fiction as well as learn how to apply principles of interpretation to other literary works. The goal of the course is to help students achieve a greater understanding, appreciation, and enjoyment of literature. (3 lec hrs.)

Eng 256—Types of Literature: Poetry and Drama (3)

PreReq: Eng 100

An introduction to two major types of English literature: poetry and drama. Students will read, analyze, and discuss poems and plays as well as learn how to apply principles of interpretation to other literary works. The goal of the course is to help students achieve a greater understanding, appreciation, and enjoyment of literature. (3 lec hrs.)

Eng 257A—Themes in Literature: Literature of Hawai‘i (3)

PreReq: Eng 100

This course introduces students to persistent themes that appear in the English language literature of 19th and 20th century Hawai‘i. Literary contributions from a wide range of sources representative of Hawai‘i’s rich cultural and ethnic diversity will be studied in their historical and cultural context. Emphasis will be placed on the themes that help readers to appreciate the ideological and aesthetic qualities specific to Hawai‘i’s literature as well as those that identify Hawai‘i as part of a global community. (3 lec hrs.)

Eng 257E—Themes in Literature: Multi-Cultural Literature (3)

PreReq: Eng 100

This course is a multi-cultural literature course designed for students who want to learn more about the various ethnic groups in the U.S. through analysis of various literary works. In addition, the course will focus on how various ethnic groups have felt the impact of other cultures, especially the Euro-centric, in the economic, educational, historical, religious and social areas. This course will also show how certain themes, such as the family, cultural heritage, community assimilation, and the spiritual are reflected in the selected literature. (3 lec hrs.)

English as a Second Language

ESL 7—Reading and Study Skills I (3)

PreReq: Placement in ESL 7 and ESL 11

CoReq: ESL 25 or prior completion

This course is the first in a two-level general reading program focusing on reading comprehension, vocabulary development, and study skills for non-native speakers of English. This course provides students with the necessary foundation in reading skills for liberal arts and occupational/technical study. Students must have the ability to understand classroom instruction and read simple directions in English to take this class. May be repeated for credit, up to 6 credits. *Additional time in the reading lab is required.* (3 lec hrs.)

ESL 9—Reading and Study Skills II (4)

PreReq: “C” or better in ESL 7 or placement in ESL 9; and “C” or better in ESL 11 or placement in ESL 13

Recommended: ESL 25

This course is the second in a two-level reading program focusing on improving reading comprehension, increasing reading speed, expanding vocabulary, and enhancing study skills for non-native speakers of English. This course provides students with the necessary foundation in reading skills for liberal arts and occupational/technical study. May be repeated for credit, up to 8 credits. *Additional time in the reading lab is required.* (4 lec hrs.)

ESL 11—Basic Grammar and Writing (5)

PreReq: Placement in ESL 7 and placement in ESL 11

CoReq: ESL 25 or prior completion

This is a foundations course in grammar and writing for non-native speakers of English. It emphasizes basic grammar, sentence structure, and paragraph writing. Students must have the ability to understand classroom instruction and read simple directions in English to take this class. May be repeated for credit, up to 10 credits. *Additional time in the ESL lab is required.* (5 lec hrs.)

ESL 13—Grammar and Writing (7)

PreReq: “C” or better in ESL 7 or placement in ESL 9; and “C” or better in ESL 11 or placement in ESL 13

Recommended: ESL 25

This course is the second in a three-level writing program for non-native speakers of English. It is an introductory course in writing, which emphasizes building grammar, proofreading, and paragraph-writing skills. May be repeated for credit, up to 14 credits. *Additional time in the ESL lab is required.* (7 lec hrs.)

ESL 15—Introduction to Expository Writing (ESL) (5)

PreReq: “C” or better in ESL 13 or placement in ESL 15; and “C” or better in ESL 9 or placement in Eng 21

The third course in a three-level writing program for non-native speakers of English. This course emphasizes writing expository paragraphs and essays, summarizing and paraphrasing reading material, expands students’ knowledge of grammar as it is used in complex sentence structures and improving proofreading skills. May be repeated for credit, up to 10 credits. *Additional time in the ESL lab is required.* (5 lec hrs.)

ESL 25—Academic Listening and Speaking (3)

PreReq: Placement in ESL 7 and placement in ESL 11

This course is designed to improve the communication skills of non-native speakers of English. It includes instruction and practice in academic listening comprehension, lecture note taking, small group and public speaking, and pronunciation. Students must have the ability to understand classroom instruction and read simple directions in English to take this class. May be repeated for credit, up to 6 credits. (3 lec hrs.)

Entrepreneurship

Ent 120—Starting a Small Business (3)

PreReq: “C” or better in Eng 21 or “C” or better in Eng 22 or “C” or better in ESL 15 or placement in Eng 100 or placement in Eng 102

This course is a practical approach to planning and starting a business in Hawai‘i. The student will prepare a comprehensive business plan. Topics covered are market analysis, site selection, suppliers, product and price mix, transportation, advertising and promotion, record keeping, and financial statements. (3 lec hrs.)

Family Resources

FamR 230—Human Development (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Concepts, issues, theories of human growth and development from conception to death. Focus on the interrelation of physical cognitive, and psychosocial development of the individual throughout the life span. (3 lec hrs.)

Fire Science

Fire 101—Essentials of Fire Suppression (3)

PreReq: Eng 21 or placement in Eng 102

Provides students with a comprehensive initial introduction to suppression of structural fires. Introduces definitions, terminology, and a brief history of structural fire suppression. Provides students with a basic knowledge of fire behavior, how and what materials burn, extinguishment systems, and basic methods of suppression. (3 lec hrs.)

Fire 107—Firefighting Strategies and Tactics (3)

PreReq: Fire 101, 151, 156

Introduces essential elements, definitions, and terminology involved in analyzing the nature of fire, and determining needs and requirements to extinguish fires. Students develop an understanding of complexities involved in suppressing fires. Students will learn manpower, equipment, and practices with an emphasis on pre-planning, study of conflagration problems, and fire ground organization. This is a building block for future tactics and strategy classes taught by State and Federal fire programs. (3 lec hrs.)

Fire 111—Management in the Fire Service (3)

PreReq: Fire 101, Fire 151, and Fire 156

An overview of management theories and application principles in the fire service. Management by objective. Current fire safety education, problem identification, and program development strategies are introduced. Fire ground management functions; management of financial resources, physical resources, and facilities. (3 lec hrs.)

Fire 151—Introduction to Wildland Fire Control (3)

PreReq: Eng 21 or placement in Eng 102

Introduces definitions, concepts, theories, and principles of modern wildland fire control. Provides students with an overall introduction to theory and application in basic wildland fire suppression, fire behavior, wildland fire operations, suppression methods, tools, and equipment. An emphasis on safety. Completion of this course meets current NWC 310-1 standards for Firefighter Type 2, and the required training for issuance of a Red Card. (3 lec hrs.)

Fire 153—Advanced Wildland Firefighting (3)

PreReq: Fire 151

Designed to meet the training needs for both Advanced Firefighter/Squad Boss and Incident Commander Type 5 positions. Covers how to: properly document the appropriate information during fire suppression activities; incorporate and maintain open lines of communication with all appropriate fire suppression personnel; apply LCES (Lookouts, Communications, Escape Routes, and Safety Zones) to fire line tactics; and demonstrate the steps required to properly size up a fire situation and determine appropriate tactics. (3 lec hrs.)

Fire 154—Wildland/Urban Interface Operations (3)

PreReq: Fire 151

An introduction to the strategies, tactics, techniques, tools, and safety considerations related to fire operations in the wildland/urban interface. Involves aspects of suppression and prevention. (3 lec hrs.)

Fire 156—Incident Command System (3)

PreReq: Eng 21 or placement in Eng 102

Course describes the Incident Command System (ICS). Collectively, these features identify the unique quality of ICS as a management system for all emergency and planned event incidents. Principle features are: management by objectives, chain of command, transfer of command, organizational flexibility, integrated communications, common terminology, and developing an Incident Action Plan. In addition, Homeland Security Presidential Directive-5 requires all federal, state and local agencies to adopt the National Incident Management System (NIMS) which ICS is part of. (3 lec hrs.)

Fire 157—Intermediate Wildland Fire Behavior (3)

PreReq: Fire 151

Designed to instruct prospective fireline personnel in wildland fire behavior for effective and safe fire management operations. Fire behavior is not an independent phenomenon - it is the product of the environment in which the fire is burning. Certain types of fire behavior are considered unusual or unexpected only because of the failure to evaluate properly the conditions, influences, and forces that are in control. To predict fire behavior, and to control and use fire effectively and safely, one must understand and use the interactions of fire with its environment. Examines the fire environment: what it is, how it varies and why, and how fire itself alters the total picture. (3 lec hrs.)

Fire 202—Fire Hydraulics (3)

PreReq: Fire 101; and "C" or better in Math 25 or 25X or "C" or better in Math 26 or placement in Math 100

Introduces terminology, definitions, and basic and complex formulas involved in fire service hydraulics. Helps students gain an understanding of the complexities involved in modern apparatus pumping and water delivery systems. Focuses on commonly used equipment and applying simple and complex mathematical formulas (theory), plus standard rules applied in fire service to gain an overall understanding of hydraulics and hydraulics application. (3 lec hrs.)

Fire 208—Aircraft Rescue Fire Fighting (3)

PreReq: Fire 101 and Fire 156

Introduction to definitions, concepts, methods, and requirements of an airport firefighter's duties and responsibilities. Two major areas of concentration: the Federal Aviation Regulation (FAR 139) and the National Fire Code (NFC 1003). (3 lec hrs.)

Food Science and Human Nutrition

FSHN 185—Nutrition (3)

Biological concepts that form scientific framework of human nutrition; study of characteristics of major nutrient groups and relationship to diet and health. Designed specifically for FSer students as a Natural Science elective. (3 lec hrs.)

Food Service

FSer 20—Food Service Orientation (1)

Deleted. (See Culn 111)

FSer 21—Food Service Sanitation (2)

Deleted. (See Culn 112)

FSer 23—Menu Planning and Merchandising (1)

Deleted. (See Culn 115)

FSer 30—Purchasing/Control (3)

Deleted. (See Culn 170)

- FSer 34—Food and Beverage Cost Control (5)**
Deleted. (See Culn 270)
- FSer 41V—Dining Room Operations and Stewarding (1-2)**
Deleted. (See Culn 160V)
- FSer 50—Fundamentals of Cookery (6)**
Deleted. (See Culn 120)
- FSer 52—Short Order Cookery (3)**
Deleted. (See Culn 131)
- FSer 54—Cold Food Pantry (4)**
Deleted. (See Culn 140)
- FSer 60—Intermediate Cookery (7)**
Deleted. (See Culn 130)
- FSer 62—Fundamentals of Baking (4)**
Deleted. (See Culn 150)
- FSer 63—Patisserie (4)**
Deleted. (See Culn 252)
- FSer 70—Advanced Cookery (6)**
Deleted. (See Culn 220)
- FSer 72—Buffet Preparation (4)**
Deleted. (See Culn 240)
- FSer 80—Supervisory Management (3)**
Application of principles of supervision in the hospitality industry. (3 lec hrs.)

Geography

- + If a student/participant is under 18 years of age a co-signature of parent or guardian is required on the Assumption of Risk and Release Form.
- + **Geog 101—Geography and the Natural Environment (3)**
PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102
Survey of the natural environment of the earth; distribution and interrelationships of climate, vegetation, soils and landforms with a focus on Hawai'i and the Pacific. Emphasis will be placed on current environmental problems and issues as they are related to course content. (3 lec hrs.)
- + **Geog 101L—Geography and the Natural Environment Lab (1)**
PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102
CoReq: Geog 101 or prior completion
Analysis of the natural environment through the use of maps, airphotos, field and laboratory observation and experimentation. Emphasis on Hawai'i and upon human modification of the environment. (3 lab hrs.)
- Geog 102—World Regional Geography (3)**
PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102
Survey of the of the world's major geographic regions with focus on the interrelationships between the physical and human elements of these regions. Geographic aspects of contemporary economic, social and political conditions will be studied as they relate to human use of, and impact on, the land and resources. (3 lec hrs.)

- Geog 122—Geography of Hawai'i (3)**
PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102
This course will survey the physical and cultural geography of the Hawaiian Islands. Physical geography will emphasize the volcanic landforms, coastal features, climate and vegetation. Cultural aspects will include population, settlement, agriculture, economics and land use. Students will be expected to learn the names and locations of physical and cultural features of the Hawaiian Islands. (3 lec hrs.)

- Geog 170—Forest Ecosystem Surveying, Inventorying, and Monitoring (3)**
PreReq: "C" or better in Eng 100 or "C" or better in Eng 102; and "C" or better in Math 120; and "C" or better in ICS 101
CoReq: Geog 170L
Designed for students in Forest TEAM and related careers. Methods used to survey, inventory and monitor native and planted forest ecosystems utilizing analog and electronic instruments. Discussion of the selection of sample sites and measurement of environmental and biological variables of forest ecosystems. Methods of analyzing information from data loggers and GPS units for computer analysis. (3 lec hrs.)

- Geog 170L—Forest Ecosystem Surveying, Inventorying, and Monitoring Laboratory (1)**
CoReq: Geog 170
Designed for students in Forest TEAM and related careers. Field laboratory to accompany Geography 170. Methods used to survey, inventory and monitor native and planted forest ecosystems utilizing optical and electronic instruments learned in the lecture section will be carried out in the lab. Field methods of selecting sample sites and measuring the environmental and biological variables of the forest. Data loggers and GPS units will be used to record data in the forest for computer analysis. (3 lab hrs.)

- Geog 180—Geographic Information Systems in Forest Ecosystem Management (3)**
PreReq: "C" or better in Geog 170; and "C" or better in Geog 170L; and "C" or better in Eng 100
CoReq: Geog 180L
Designed for students in Forest TEAM and related careers. Geographic Information Systems will introduce students to GIS principles and practice through use of ArcView and Spatial Analyst. GIS will be applied in developing computer generated map layers for resource management decision making in forest ecosystems and agroforestry. (3 lec hrs.)

- Geog 180L—Geographic Information System in Forest Ecosystem Management Laboratory (1)**
CoReq: Geog 180
Designed for students in Forest TEAM and related careers. Laboratory to accompany Geography 180 will give students hands-on experience in using ArcView and Spatial Analyst. Laboratory exercises and independent projects will apply GIS developing computer generated map layers for resource management decision making. (3 lab hrs.)

Geology and Geophysics

- GG 101—Introduction to Geology (3)**
PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102
A study of the earth, with emphasis on materials, surface features, structures, and various erosional and depositional processes. (3 lec hrs.)

GG 101L—Introduction to Geology Laboratory (1)

CoReq: GG 101 or prior completion

The study of the earth, with emphasis placed on the materials, surface features, structures, and various erosional and depositional processes. Laboratory to accompany GG 101. (3 lab hrs.)

Hawaiian

Haw 101—Elementary Hawaiian I (4)

Study of basic structures of the Hawaiian language with emphasis on listening, speaking, reading, and writing skills. (5 lec hrs.)

Haw 102—Elementary Hawaiian II (4)

PreReq: Haw 101

Continuation of the study of basic structures of the Hawaiian language with emphasis on listening, speaking, reading and writing skills. (5 lec hrs.)

Haw 103—Hawaiian Language Through Traditional Occupation ('Oihana) (3)

Hawaiian language through traditional occupation introduces conversational Hawaiian language through the study and practice of traditional Hawaiian occupations such as hula, lawai'a (fishing), mahi'ai (farming), etc. Requires memorization and close examination of related vocabulary and basic sentence structure. May be repeated for credit, up to 9 credits. (3 lec hrs.)

Haw 201—Intermediate Hawaiian Language I (4)

PreReq: Haw 102

This course is a continuation of Haw 102 and it is the second year intermediate Hawaiian language course. It continues the students' speaking, reading, writing, and listening language development. (5 lec hrs.)

Haw 202—Intermediate Hawaiian Language II (4)

PreReq: Haw 201

Hawaiian Language 202 is a continuation of 201 Hawaiian Language. This course ends the intermediate level of the Hawaiian Language courses. This course investigates Hawaiian Language newspapers and legal documents and improves the students listening, speaking, reading, and writing skills. (5 lec hrs.)

Hawaiian Studies

HwSt 107—Hawai'i: Center of the Pacific (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

An introduction to the unique aspects of the Native Hawaiian point of view in Hawai'i and the larger Pacific with regards to origins, language, religion, land, art, history, and modern issues. (3 lec hrs.)

HwSt 123—Hawaiian Language (1)

The basic skills in speaking, reading, and writing the language. An elementary course with emphasis on the practical use of the language in daily encounters. (1 lec hr.)

HwSt 124—Hawaiian Myths and Legends (3)

Examination of traditional native Hawaiian myths. Analysis of their composition, function, uses and effect upon the culture in pre and post contact times. (3 lec hrs.)

HwSt 125—Hawaiian Plants and Their Uses (3)

The identification of Hawaiian plants and the study of their preparation and Hawaiian cultural uses especially for medicine, dyes, crafts and rituals; beliefs and practices; the deities. (3 lec hrs.)

HwSt 126—Introduction to Hawaiian Music (3)

An introduction to Hawaiian music. Its historical background, music of the monarchy period, contemporary music, comparative studies. Singing of choral literature, musicianship, production. Public performances. (3 lec hrs.)

HwSt 128—Hawaiian Arts and Crafts (1)

The arts and crafts of the Hawaiian people. Selected crafts will be made by the student. A lab fee may be asked of the student. May be repeated for credit provided a different topic is studied, up to 3 credits. (1 lec hr.)

HwSt 129—Hawaiian Chants and Classical Dances (3)

Study of ancient dances and some performance of selected chants, practicing hālau hula, traditions and structure, rituals, beliefs and practices. (3 lec hrs.)

HwSt 130—Papa 'Olapa (Ancient Hula) (3)

PreReq: "C" or better in Haw 101; and "C" or better in HwSt 129

An introduction to the physical, aesthetic, intellectual, and spiritual aspects of the holistic study of ancient hula, Hawai'i's indigenous form of dance. Prepares student for the dance ensemble. Public performances required. (2 lec hrs., 2 lec/lab hrs.)

HwSt 131—Hula Noa (Secular Hula) (3)

PreReq: HwSt 130

Hula Noa is descriptive of the secular hula more commonly referred to as hula 'auana. This course will examine the practices of Hula Noa from ancient to modern times. This course is third in a series of hula studies courses and prepares the student for public performances and the Hula Ensemble. (2 lec hrs., 2 lec/lab hrs.)

HwSt 141—Introduction to Ho'oponopono (3)

Cross-listed as HSer 141 and Subs 141

This is an experiential course that focuses on counseling and resolving conflict among families, individuals and other groups using Hawaiian cultural methods of Ho'oponopono (family) and Ho'oku'u Ka Hewa (individuals and other groups). Students will examine Hawaiian historical foundations, spiritual principles, values and beliefs, protocol and rituals; ancient and modern processes; and levels of involvement and responsibility among participants. (3 lec hrs.)

HwSt 160—Kalo (Taro) Culture I (3)

PreReq: "C" or better in HwSt 125

CoReq: Haw 101 or prior completion

Designed for students in AAS Hawaiian Lifestyles Degree, Mahi'ai track.

The first in a series of four courses of Kalo (Taro) culture of the indigenous Hawaiians. The history, identification, lore, its effects upon the cultural past, present and future, Kalo Culture as a metaphor of cultural beliefs, practices and values are major focuses of the course. Includes fieldwork and service learning. (2 lec hrs., 2 lec/lab hrs.)

HwSt 161—Kalo (Taro) Culture II (3)

PreReq: "C" or better in HwSt 160

CoReq: Haw 102 or prior completion

Designed for students in AAS Hawaiian Lifestyles Degree, Mahi'ai track.

This is the second in a series of four courses on indigenous Hawaiian Kalo (Taro) culture. This course provides an in-depth examination of the actual process of kalo production and its integration with the indigenous Hawaiian culture. Kalo Culture II focuses on cultural practices, beliefs and values that are part of Kalo Culture. This course includes fieldwork and service learning. (2 lec hrs., 2 lec/lab hrs.)

HwSt 170A—Lawai‘a Culture I (3)

PreReq: HwSt 231

CoReq: Haw 101 or prior completion

The first in a series of courses in traditional Hawaiian marine resource knowledge. This course will engage the learner in traditional Hawaiian thought and practice concerning the subsistence and environmentally respectful practice of fishing. Course focuses on the technical skills of this occupation. (3 lec hrs.)

HwSt 170B—Lawai‘a Culture II (3)

PreReq: HwSt 170A

CoReq: Haw 102 or prior completion

The second in a series of courses in traditional Hawaiian marine resource knowledge. This course continues in engaging the learner in traditional Hawaiian thought and practice concerning the practice of fishing, with the added focus on traditional oral and written literacy. (3 lec hrs.)

HwSt 205—Native Hawaiian Beliefs and Practices (3)

Examines the ethics, morals, religion of Native Hawaiians from the migration period to the post-contact era. (3 lec hrs.)

HwSt 221—Hawaiian Culture in Transition (3)

The study of Hawaiian history and culture in transition from the annexation of Hawai‘i and the overthrow of the monarchy to the present. (3 lec hrs.)

HwSt 224—Epic Saga of Pele and Hi‘iaka (3)

PreReq: HwSt 124; and Haw 101; and Eng 22 or ESL 15 or placement in Eng 100

A sequential course to HwSt 124. Examines in depth and complexity the indigenous Hawaiian national epic saga of Pele and Hi‘iaka. It includes a deeper and rigorous study of Hawaiian philosophy, religious beliefs, intricate poetry forms, lifestyles and practices, world views and values. (3 lec hrs.)

HwSt 231—Hawaiian Culture I (3)

A survey of native Hawaiian culture and its place in Pacific Island societies, studied through its literature, language, values and religion. Some contrasts with modern Hawaiian society. (3 lec hrs.)

HwSt 232—Hawaiian Culture II, Oral Arts and Traditions (3)

A continuation of HwSt 231, surveys the relationship of pre-contact Hawaiians to their culture through myth, chant, dance and poetry. (3 lec hrs.)

HwSt 235—Hula Ensemble (4)

PreReq: HwSt 131

Comment: May require travel abroad. If so, passport is required.

Hula Ensemble is an experiential learning course in formal public hula performance that reflects the culmination of all hula studies courses. (2 lec hrs., 4 lec/lab hrs.)

HwSt 236—Ho‘opa‘a I - Ipu Heke (3)

PreReq: HwSt 124 and HwSt 235; and Haw 102

This is an advanced course that will provide a fundamental extension from dancer to chanter/instrumentalist. The primary instrument of the course is the ipu heke or double gourd drum. Making of the ipu heke and its use as an instrument to accompany chants and dances are the primary foci. Course is designed to accompany the instructor in the introductory hula courses of the Hawaiian Life Styles degree program. May be repeated for credit, up to 12 credits. (3 lec hrs.)

HwSt 237—Ho‘opa‘a II (3)

PreReq: HwSt 236

This is an advanced course, second in a series, that will provide a fundamental extension from dancer to chanter/instrumentalist. Instruments of foci may include: pahu (drum), lapaiki (small drum), puniu (knee drum), papa hehi (treadle board), kala‘au (percussion sticks), or similar. Designed to accompany the instructor in the introductory hula courses of the Hawaiian Life Styles degree program. May be repeated for credit, up to 12 credits. (3 lec hrs.)

HwSt 241—Hawaiian Trail Culture of Puna and Ka‘u on Hawai‘i Island (3)

A study of the Indigenous Hawaiian Culture as interpreted through its trail systems in the districts of Puna and Ka‘u on Hawai‘i island. (3 lec hrs.)

HwSt 242—Hawaiian Trail Culture of Kona and Kohala on Hawai‘i Island (3)

A study of the Indigenous Hawaiian Culture as interpreted through its trail systems in the districts of Kona and Kohala on Hawai‘i island. May be repeated for credit up to 6 credits. (2 lec hrs., 2 lec/lab hrs.)

HwSt 250—Hawaiian Leadership (3)

PreReq: HwSt 231

This course serves the student desiring a background in appropriate native Hawaiian culture introducing the development of principles of Hawaiian leadership. The contributions of native Hawaiian culture upon effective Hawaiian leadership in modern Hawai‘i will be emphasized. (3 lec hrs.)

HwSt 251—Hawaiian Leadership in Action (3)

PreReq: HwSt 250

This course will focus on the further development of Hawaiian leadership skills through the application of appropriate Hawaiian cultural thought and practice. The students will be exposed to a wide range of real life leadership opportunities from community service learning projects to traditional Hawaiian ceremonial protocol. (3 lec hrs.)

HwSt 260—The Lo‘i Kalo (Wetland Taro) (3)

PreReq: "C" or better in HwSt 161

CoReq: Haw 201 or prior completion

The third in a series of four courses on the Kalo (Taro) Culture of the indigenous Hawaiian culture. This course provides an in-depth examination of the actual process of kalo (taro) production. The main focus of the course will be on the construction of a lo‘i (wetland taro patch), waterways and planting. (2 lec hrs., 2 lec/lab hrs.)

HwSt 261—Huki ‘Ai: Harvest and Marketing (3)

PreReq: "C" or better in HwSt 260

CoReq: Haw 202 or prior completion

The last in a series of four courses on indigenous Hawaiian Kalo (Taro) Culture. Huki ‘Ai: Harvest and Marketing will review previously learned materials from HwSt 260. The student will continue the maintenance of a lo‘i/mala‘ai and waterways with the added focus on harvest, production and distribution of marketable products. (2 lec hrs., 2 lec/lab hrs.)

HwSt 268—Hawai'i Pamaomao I (3)

PreReq: HwSt 235

Recommended: Students should be able to commit to raising funds for travel, and have the ability to travel during the class dates. A valid passport will be required if travel is to a foreign country.

Provides the foundation of understanding for comparison and exchange between Hawaiian culture, ritual, and protocol and (another region or country within Oceania and the World). Students should be prepared to register for the companion course, HwSt 269 Hawai'i Pamaomao II, in the following semester. May be repeated for credit, up to 12 credits. (3 lec hrs.)

HwSt 269—Hawai'i Pamaomao II (3)

PreReq: HwSt 268

Recommended: Students should be able to commit to raising funds for travel, and have the ability to travel during the class dates. A valid passport will be required if travel is to a foreign country.

Provides students an opportunity to travel to (another region or country within Oceania and the World) to engage in cultural and educational exchange with other communities. A performance-based course culminating in ho'ike or exhibition of Hawaiian cultural performance and cultural protocol. May be repeated for credit, up to 12 credits. (3 lec hrs.)

HwSt 270—Loko I'a (3)

PreReq: HwSt 170A and HwSt 170B

CoReq: Haw 201

The third in a series of courses in traditional Hawaiian marine life knowledge and practice. This course will focus on the science of the traditional loko i'a from the cultivation of limu to the raising of fish and other marine resources. (3 lec hrs.)

Health

Hlth 31—First Aid and Safety (1)

The prevention of accidents and first aid care. Includes cardiopulmonary resuscitation. (1 lec hr.)

Health, Physical Education, and Recreation

HPER 122—Aerobics (1)

Designed to improve cardiovascular fitness, strength, flexibility, and coordination through a systematic program of rhythmical activities. (2 lec/lab hrs.)

HPER 123—International Square Dance (2)

Deleted.

HPER 129—Step Aerobics (1)

Introduction to bench stepping as a means to developing cardiovascular fitness. (2 lec/lab hrs.)

History

Hist 123—Philippine History (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Survey of the history of the Philippine islands from the beginning to present. (3 lec hrs.)

Hist 151—World Civilization I (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

A broad survey of world history from its prehistoric origins through the 16th century. (3 lec hrs.)

Hist 152—World Civilization II (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

A broad survey of world history from the 16th century to the present. (3 lec hrs.)

Hist 153—Hawai'i and the World I (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

History of Hawai'i from the earliest times until the reign of Kamehameha within the context of world history. (3 lec hrs.)

Hist 154—Hawai'i and the World II (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

History of Hawai'i since the reign of Kamehameha within the context of world history. (3 lec hrs.)

Hist 241—Civilization of Asia I (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Recommended: Hist 151

A survey of Asian civilization from earliest times and traditional society to contact with the West with emphasis upon the cultures of China, Japan, Korea, Southeast Asia. (3 lec hrs.)

Hist 242—Civilizations of Asia II (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

A survey of Asian civilizations from the time of contact with the West, and the response of these civilizations to the impact of the Western World. This course is part of a two term sequence: 241: to 1500; 242: from 1500. (3 lec hrs.)

Hist 274—Writing Personal History (3)

PreReq: Hist 151 or 152 or 153 or 154; and Eng 100

A 'personal history' course focusing on the study and writing of biography/autobiography, family/genealogy, local/ahupua'a, and regional history. (3 lec hrs.)

Hist 281—Introduction to American History I (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

An interpretive survey of United States history, 281: 1500-1877; 282: 1877-present. (3 lec hrs.)

Hist 282—Introduction to American History II (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

An interpretive survey of United States history, 281: 1500-1877; 282: 1877-present. (3 lec hrs.)

Hist 284—History of Hawai'i (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

A general survey of economic, political, and social history of Hawai'i from earliest times to present. (3 lec hrs.)

Hist 288—Survey of the Pacific Islands History (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102; and Hist 152

A survey of the history of the Pacific Islands from earliest settlement to the present with emphasis on island culture, interaction with the West, colonization, modern development and contemporary problems. (3 lec hrs.)

Hospitality and Tourism

HosT 25—Guest Service Procedures (3)

PreReq: Placement in Eng 20R or in Eng 51 or in ESL 9 or higher

Basic understanding of guest service principles, procedures, and foundations. Understanding the venues of communication to provide the ultimate guest service. Understanding the customer and handling their complaints, managing stress and time, creating customer loyalty, and connecting Hawaiian values to outstanding guest service. (3 lec hrs.)

HosT 44—Principles of Hotel Management (3)

PreReq: HosT 101; and Eng 22 or Eng 55 or ESL 15 or placement in Eng 100

Introduces, examines, and explains the basic principles of supervision and management. Focuses on the elemental roles, functions, and responsibilities shared by both supervisors and managers, and the rudimentary skills and techniques that must be employed in the day-to-day work setting to achieve positive, productive results. (3 lec hrs.)

HosT 47—Hospitality Marketing (3)

PreReq: "C" or better in HosT 101; and "C" or better in Eng 22 or "C" or better in Eng 55 or "C" or better in ESL 15 or placement in Eng 100

Introduces basic marketing principles including marketing environments, the marketing mix, segmentation, pricing, consumer behavior, marketing functions and organization, and promotional activities. Studies hotel-motel marketing techniques. Examines the relationship and coordination of hotel marketing activities in the community and marketplace. (3 lec hrs.)

HosT 101—Introduction to Hospitality and Tourism (3)

Recommended: ESL 25 for English as a Second Language students

Provides an overview of the travel industry and related major business components. Analysis of links between hotel, food, transportation, recreation, and other industries comprising tourism. (3 lec hrs.)

HosT 150—Housekeeping Operations (3)

Studies the professional management of housekeeping operations including the planning, organizing, staffing, and control techniques required to assure quality service. (3 lec hrs.)

HosT 152—Front Desk Operations (3)

PreReq: Placement in Eng 20R or in Eng 51 or in ESL 9 or higher

Study of philosophy, theory, equipment, and current operating procedures of a hotel front office, concentrating on development of human relation skills necessary for effective guest and employee relations and the technical skills necessary to operate a manual and computerized front office operation. (3 lec hrs.)

HosT 260—Hospitality Law (3)

PreReq: "C" or better in HosT 101; and "C" or better in Eng 22 or "C" or better in Eng 55 or "C" or better in ESL 15 or placement in Eng 100

Course will outline the different points of law as it relates to the Hospitality Industry. It alerts operator of hotels and restaurants to a number of potential legal problems and pitfalls. (3 lec hrs.)

Human Development

HD 100—Self-Development (3)

Designed to assist students in increasing their personal effectiveness through the exploration of such topics as academic adjustment, personal development, and career life planning. (Not acceptable as a social science elective) (3 lec hrs.)

HD 234—Aging (3)

The emotional, physical, and social processes of aging. (3 lec hrs.)

Human Services

HSer 110—Introduction to Human Services (3)

An overview of the field of human services including history, present and future perspectives, strategies of intervention, organization and delivery of services, issues and requirements for service givers, and kinds of employment. Also, the course surveys selected human service agencies available within the local community (principally Hilo). (3 lec hrs.)

HSer 111—Introduction to Human Services: Therapeutic Aide (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Comment: Course allows those working as T.A.'s to update their skills

Designed to provide students with a basic understanding of the human service field through the lens of a therapeutic aide worker. Focuses on attitudes, knowledge, and skills necessary for employment as a therapeutic aide within the mental health system. Emphasizes cultural awareness, crisis intervention skills and knowledge of child and adolescent mental health disorders. Enables therapeutic aides already working in the community to update their essential skills and to have a broader understanding of their responsibilities. (3 lec hrs.)

HSer 140—Individual Counseling (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

CoReq: HSer 110 or prior completion

Designed to upgrade the understanding and counseling skills of people interested in the helping professions by study and evaluated practice in: establishing a trust relationship; interviewing; empathetic listening; values clarification; and problem solving. (3 lec hrs.)

HSer 141—Introduction to Ho'oponopono (3)

Cross-listed as HwSt 141 and Subs 141

HSer 193—Human Services Practicum I (3)

PreReq: HSer 110 or HSer 111

Supervised experience in human services providing counseling, practical support, education, information and/or care-giving in community agencies in the local community. (2 lec hrs., 3 lab hrs.)

HSer 245—Group Counseling (3)

Cross-listed as Subs 245

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Provides theoretical and experiential training in facilitating groups. Examines the process of facilitation and group membership. Exploring task facilitation, psycho-educational counseling, and psychotherapy groups. Addresses ethical issues and self-care of the group facilitator. (3 lec hrs.)

HSer 248—Case Management (3)

Cross-listed as Subs 248

PreReq: HSer 110 or Subs 268; and Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Provides knowledge and practical skills to become competent case managers in human services agencies. Develops professional skills in order to teach those who need assistance to manage their own lives within the scope of their resources and abilities. Presents culturally sensitive strategies and strength-based model of case management. Special attention given to diverse populations utilizing case management systems. (3 lec hrs.)

HSer 256—Domestic Violence and Child Abuse (3)

Cross-listed as AJ 256 and WS 256

HSer 262—Adolescent Counseling (3)

Cross-listed as Subs 262

PreReq: HSer 110 or Subs 268; and Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Focus on interpersonal skills needed in counseling adolescents (ages 12-18 years). Topics include developing effective substance abuse prevention and treatment approaches; screening and assessment; case management; individual, group, and family therapy; treatment in the juvenile justice system; and legal and ethical issues. (3 lec hrs.)

HSer 293—Human Services Practicum II (3)

PreReq: HSer 110 or HSer 111; and HSer 193

A continuation of HSer 193 in another agency setting. Supervised experience in human services providing counseling, practical support, education, information and/or care-giving in community agencies in the local community. (2 lec hrs., 3 lab hrs.)

Humanities

Hum 100—Introduction to the Arts (3)

PreReq: Eng 20W or ESL 13 or placement in Eng 22 or placement in ESL 15; and Eng 21 or placement in Eng 102

An introduction to the arts through the study of aesthetics, creativity, values, and meaning through the underlying elements and principles inherent in the visual arts, music, dance, theatre, and all artistic endeavors. (3 lec hrs.)

Hum 160—Modes of Thought (3)

Cross-listed as SSci 160

Recommended: Eng 21 or Eng 22

Literature-based Western tradition survey. Emphasis on intellectual history and the approaches to issues used in the humanities and social sciences. Values definition and clarification. (3 lec hrs.)

Hum 275—Psychology and the Expressive Arts (3)

Cross-listed as Psy 275

PreReq: Psy 100 or Psy 170 or Hum 100

The theory and practice of studying the personality through the visual arts, writing arts, dance, music, and drama towards a therapeutic end for the individual utilizing group dynamics. May be repeated for credit up to 6 credits. (3 lec hrs.)

Industrial Education, Building and Construction

IEdB 20—Careers in Building and Construction (3)

Recommended: Eng 20R or ESL 9 or Eng 51 or placement in Eng 21; and computer literacy

Introduction to construction/construction careers using the Contextual Model. Students will be asked to think and solve problems related to construction projects, from origination of an idea through actual completion of the construction process. Students are required to sequence the project; identify by career the people involved with the project; and identify permits, licenses, and organizations with jurisdiction over various aspects of the project including relevant city, county, state and national codes and regulations that apply to the project. Introduction to safety, common materials, hand and limited power tool application, current construction techniques, and blueprint reading. (6 lec/lab hrs.)

Information and Computer Science

ICS 100—Computing Literacy and Applications (4)

PreReq: ESL 9 or Eng 20R or Eng 51 or placement in Eng 21; and Math 50 or Math 24 or 24X or placement in Math 26

An introductory survey of computers and their role in the information world emphasizing computer terminology, hardware, and software. Opportunities for hands-on experience using applications software may include spreadsheets, word processing, presentations, communications, and databases. (3 lec hrs., 2 lec/lab hrs.)

ICS 101—Digital Tools for the Information World (4)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100; and Math 25 or 25X or Math 26 or placement in Math 100

Hands-on computer class with emphasis on producing professional-level documents, spreadsheets presentations, databases, and web pages for problem solving. Includes concepts, terminology, and a contemporary operating system. Meets requirements for College of Business (UHM and UHH) and UHM's Biology program and Botany Department. (3 lec hrs., 2 lec/lab hrs.)

Information Technology

ITS 103—Introduction to the Programming Process (4)

CoReq: ICS 101 or prior completion with a "C" or better

A first course emphasizing the development of problem solving and logical skills required to program in a business environment. Algorithms and programs are designed and implemented in the structured procedural style. Basic debugging and documentation techniques are also covered. (3 lec hrs., 2 lec/lab hrs.)

ITS 104—Computer Hardware Support (4)

CoReq: ICS 101 or prior completion

A first course in computer support intended to provide the skills needed to prepare the student to support personal computer hardware. The course prepares students to address the most common PC hardware concerns. It includes both concepts and hands-on real-world experience. (3 lec hrs., 2 lec/lab hrs.)

ITS 108—Computer Software Support (3)

PreReq: ITS 104

The second course in computer support intended to provide the skills needed to prepare the student to support personal computer operating systems. The course prepares the student to address the most common PC operating system concerns. This course includes both concepts and hands-on real-world experience. (3 lec hrs.)

ITS 118—Visual Basic Programming for Business Applications (4)

PreReq: "C" or better in ICS 101 and "C" or better in ITS 103

A second course in programming introducing the development of business applications. Event-driven programming and object-oriented concepts are covered utilizing Visual Basic. Programming constructs, practices, and style are emphasized as well as program testing, debugging and documentation. (3 lec hrs., 2 lec/lab hrs.)

ITS 121—Computing Topics (3)

PreReq: variable per topic

Introductory topics varying semester to semester to maintain currency with rapidly changing technologies in Hawai'i's business industry. Topics may include operating systems, specific hardware systems, other software packages and programming languages not covered in IT program courses. May be repeated for credit provided that a different topic is studied. (3 lec hrs.)

ITS 151—Applied Database Programming in an Object Oriented Environment (4)

PreReq: "C" or better in ITS 118

This is a course in developing interactive Database Management Systems (DBMS) in an Object Oriented Database Environment. This requires experience with object oriented programming in an interactive mode. Application requirements are explained through presentation of a set of data structures, or logical schema, for sample applications. Structured programming techniques, good programming style, and event driven programming emphasized. Students will develop complete event driven menu based database systems. (3 lec hrs., 2 lec/lab hrs.)

ITS 193—Cooperative Education/Internship/Practicum (3)

PreReq: "C" or better in ITS 151 and "C" or better in ITS 215 and "C" or better in ITS 218; and Eng 100; and SpCo 151

Cooperative internship integrating classroom learning with supervised, structured and unstructured work experience. Offers an opportunity to enhance workplace soft skills as well as technical skills. Assignments determined by students' interests, program content and job availability. (1 lec hr., 8 practicum hrs.)

ITS 215—Network Administration (4)

PreReq: ITS 108

The setup and operation of a local area network utilizing Microsoft Windows Server network operating system. Managing hardware, software, file systems, user accounts, and security. System management for performance optimization, name space, protocol support, and preventative maintenance. (3 lec hrs., 2 lec/lab hrs.)

ITS 218—Help Desk Support (3)

PreReq: ITS 108

Provides an introduction to the wide range of topics required of an entry-level user support specialist. The responsibilities of support positions vary widely, and with the broad foundation of topics covered in this course, specialists entering the support industry will be ready to meet employer needs. Emphasizes the knowledge, skills and abilities commonly found in user support position descriptions and on the tasks employers expect support staff to be able to perform. (3 lec hrs.)

ITS 221—Advanced Computing Topics (3)

PreReq: variable per topic

Advanced topics varying semester to semester to maintain currency with rapidly changing technologies in Hawai'i's business industry. Topics may include advanced courses in programming languages or networking, systems analysis, electronic commerce and other topics as they emerge. May be repeated for credit provided that a different topic is studied. (3 lec hrs.)

ITS 284—Data Communications Fundamentals (3)

PreReq: "C" or better in ITS 215

Familiarizing students with the terms and concepts used in the computer networking industry. Providing them with a conceptual framework of data communications. Assisting students to understand computer networks and enabling them to make informed decisions on network design and technology. (3 lec hrs.)

Interdisciplinary Studies

IS 55—In Focus: Template for Success (3)

Recommend: Eng 20R or ESL 9 or Eng 51 or placement in Eng 21; and computer literacy

This course teaches practical life skills that will empower you to create your own success in life. Activities are designed to help you excel in college, succeed in the workplace, learn to solve real-life problems, and make wise choices. Additional topics include effective money management, stress management, and using technology for success. (3 lec hrs.)

IS 100V—Introduction to Student Government (1-3)

PreReq: consent of instructor

Problems and issues of student government activities. May be repeated for credit, up to 6 credits. (variable hours)

IS 105B—Self Awareness and Decision Making (1)

PreReq: Eng 21 or placement in Eng 102

Designed to assist students in developing self-awareness and self-esteem for problem solving and decision making. Emphasis will be on values, goals, locus of control, and life transitions. (1 lec hr.)

IS 105C—Personal Enhancement (1)

PreReq: Eng 21 or placement in Eng 102

Designed to improve one's self-concept and self-confidence and to achieve a sense of stability and overall well being. This course explores such topics as stress management, conflict resolution, and health and fitness awareness. (1 lec hr.)

IS 105D—Career/Life Exploration and Planning (1)

PreReq: Eng 21 or placement in Eng 102

Designed to assist students in identifying possible careers that would match their values, interests, and skills. Introduces students to job search resources and can assist them with future résumé writing and job interviews. (1 lec hr.)

Japanese

Jpns 101—Elementary Japanese I (4)

Introductory Japanese language course, emphasizing reading, writing, speaking, and listening. (5 lec hrs.)

Jpns 102—Elementary Japanese II (4)

PreReq: Jpns 101

Continuation of Jpns 101. The study of the basic structure of the Japanese language with emphasis on listening, speaking, reading and writing skills. (5 lec hrs.)

Jpns 121—Elementary Japanese Conversation I (3)
Development of conversational skills—listening, comprehension, and speaking—for persons in business or occupations dealing with Japanese-speaking clientele. (3 lec hrs.)

Jpns 122—Elementary Japanese Conversation II (3)
PreReq: Jpns 121
An intermediate course with emphasis on the creative skills of conversation—adding some reading and writing of the language—for persons in business or occupations dealing with Japanese clientele. (3 lec hrs.)

Journalism

Jour 205 - News Writing (3)
Cross-listed as Eng 205

Law

Law 30—Business Law I (3)
PreReq: ESL 9 or Eng 20R or Eng 51 or placement in Eng 21
The origin and principles of our American legal system including the law of torts, criminal law, and the basic court system; the basic principles of contracts, agency and employment, real property, personal property, and insurance. (3 lec hrs.)

Learning Skills

LSK 30—College Study Skills (3)
Designed to give students an opportunity to learn and practice fundamental learning skills necessary for success in college. This course will build a strong foundation of study skills, including reading skills, memory strategies, listening skills, writing, note taking, and speaking skills, as well as time management and goal setting. (3 lec hrs.)

LSK 70—Vocational Student Success Strategies (1)
PreReq: Eng 20R or Eng 20W or placement in Eng 21 or in Eng 22
Introduces new Vocational students to useful strategies and techniques for achieving success in college. Topics include: College and Community resources, attitude and motivation, time and money management, learning styles and memory techniques, note taking and test taking strategies. Limited to classified Voc-Ed freshmen students only. (1 lec hr.)

LSK 102—College Success Strategies (1)
PreReq: Eng 21 or Eng 22 or placement in Eng 102 or placement in Eng 100
Introduces new students to useful strategies and techniques for achieving success in college. Topics include: motivation and attitudes for learning, note taking skills, test taking skills, time and money management techniques, memory enhancement strategies, learning styles and use of college and community resources. (1 lec hr.)

Linguistics

Ling 102—Introduction to the Study of Language (3)
PreReq: "C" or better in Eng 21 or placement in Eng 102; and "C" or better in Eng 22 or ESL 15 or placement in Eng 100
A broad introduction to the nature and workings of language through linguistic analysis: an overview of phonology (sound system), morphology (word structure), syntax (sentence structure), semantics (meaning), ethnolinguistics, and historical-comparative linguistics. (3 lec hrs.)

Ling 121—Introduction to Language (3)
Cross-listed as Anth 121

Ling 235—Intermediate Linguistic Analysis: Regional Survey of Austronesian Languages (3)
Cross-listed as Anth 235

Machine Technology

Mach 20—Introduction to Machine Shop Technology (1)
A beginning course in Machine Shop Technology that covers the occupational outlook and job descriptions for a machinist and other careers in metal related trades. General shop and personal safety are also stressed. (2 lec/lab hrs.)

Mach 21—Measurement and Layout (1)
A course on systems of measurements, tools, and methods used in making accurate measurements. Also covers tools and procedures used in making precise layouts. (2 lec/lab hrs.)

Mach 22—Hand Tools and Bench Work (1)
A course in the proper use and maintenance of the basic hand tools of a machine shop. Bench work includes the operations of laying out, fitting, and assembling. These operations may involve sawing, chopping, filling, polishing, scraping, reaming, and threading. (2 lec/lab hrs.)

Mach 23—Basic Machine Tools (1)
A course in the proper use and maintenance of the basic machine tools. Equipment includes the metal cutting saws, drilling machines, grinders, and external threading machine. (2 lec/lab hrs.)

Mach 24—Lathe I: Facing and Turning (2)
CoReq: Mach 21, 22, and 23
A beginning course on the use of the engine lathe. Topics covered are methods of mounting work, cutting tool shapes and preparation, turning, facing, knurling, speeds, and feeds. (4 lec/lab hrs.)

Mach 25—Shape Altering and Tapering on the Lathe (2)
CoReq: Mach 24 or prior completion
Second of two beginning courses on the use of the engine lathe. Operations covered in this course are grooving, form turning, tapering, drilling, boring, and reaming. (4 lec/lab hrs.)

Mach 26—Lathe II (6)
Engine lathe operations including taper and angular turning, boring, cutting internal and external acme screw threads, face plate set-up, and metalizing by spray build-up and sizing. Stress is placed on accuracy and measurement by the use of micrometers, vernier calipers, dial indicators, and gauge blocks. (12 lec/lab hrs.)

Mach 27—Vertical Milling & Introduction to CNC (4)
PreReq: Mach 26
CoReq: Mach 28
An introduction to common milling operations, including the nomenclature, functions, lubrication, maintenance, setup, and safety in milling operations. Basic machining operations commonly done on the vertical milling machine include common work holding devices, milling cutters and tool holding devices. Also an introduction to Computer Numerical Control (CNC), use of Cartesian coordinates, absolute and incremental measurements, datum points, and applications of the Digital Read Out (DRO). Emphasis on the use of the CNC function in the shop floor mode and setup and machining of programmed functions. (8 lec/lab hrs.)

Mach 28—Shaper, Line Boring, and Advanced Machines (2)

PreReq: Mach 26

CoReq: Mach 27

This course will include safety, maintenance and basic operations of the shaper, portable line boring machine, and advanced operations on the lathe and drill press. This course is designed to be offered concurrently with Vertical Milling. Due to the limited work stations, this course is a part of a multiple activity laboratory offering. (4 lec/lab hrs.)

Management

Mgt 20—Introduction to Management (3)

PreReq: Eng 20R or ESL 9 or Eng 51 or placement in Eng 21

An introduction to the management process. Principal functions of planning, organizing, directing, and controlling are integrated with behavioral concepts. (3 lec hrs.)

Mgt 22—Human Resources Management (3)

PreReq: Eng 20R or ESL 9 or Eng 51 or placement in Eng 21

An introduction to the principles, organizations and techniques of personnel administration. Procurement and placement, improvement of performance, management and labor relations, remuneration, security, and other services provided by the personnel section. (3 lec hrs.)

Mgt 24—Personnel Management Relations (3)

Deleted. (See Mgt 124)

Mgt 124—Personnel Management Relations (3)

Formerly Mgt 24

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

To enhance the understanding of the supervisory process and the management of human resources. Focuses on supervisory position function, activities, and topics for supervisors to understand and apply. (3 lec hrs.)

Marketing

Mkt 20—Principles of Marketing (3)

Deleted. (See Mkt 120)

Mkt 30—Principles of Retailing (3)

PreReq: ESL 9 or Eng 20R or Eng 51 or placement in Eng 21

An introductory review of retailing and its relationship in the marketing and free enterprise system. Emphasis is on the basic functions of a retail store, finance, inventory, and expense control, operations, personnel, merchandise, and sales promotion. (3 lec hrs.)

Mkt 50—Principles of Selling (3)

Deleted. (See Mkt 150)

Mkt 60—Principles of Advertising (3)

PreReq: ESL 9 or Eng 20R or Eng 51 or placement in Eng 21

An introduction to advertising and its marketing role in selling a product. A nontechnical, practical approach involving basic media evaluation, media rates and purchasing methods, and advertising creation and production. (3 lec hrs.)

Mkt 65—Principles of Visual Merchandising (3)

PreReq: ESL 9 or Eng 20R or Eng 51 or placement in Eng 21

An introduction to the principles of visual merchandising methods and applications. Includes planning various types of displays as they relate to the sales promotion program of a retail establishment; to include the building, evaluating, and dismantling a display. (3 lec hrs.)

Mkt 85—Principles of E-Marketing (3)

Deleted. (See Mkt 185)

Mkt 120 - Principles of Marketing (3)

Formerly Mkt 20

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

An introductory course to theories and principles of marketing. Emphasis is on understanding the importance of the channels of distribution, market research, and marketing application. Consumer buying preferences and buying behavior is examined. (3 lec hrs.)

Mkt 121—Marketing Topics (1-3)

PreReq: Eng 21 or placement in Eng 102

Marketing topics varying semester to semester to maintain currency with the dynamic nature of a global marketplace. Topics may include marketing research, fundamentals of purchasing, fundamentals of inventory management and control, international marketing, and other marketing topics deemed relevant. (variable hours)

Mkt 150 - Principles of Selling (3)

Formerly Mkt 50

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

A study of the principles and methods of selling and its role in the marketing process. Emphasis is on the sales process and the various aspects involved in making a sales presentation. Students will select a product, service or intangible, develop a complete sales presentation and role play the presentation for analysis and evaluation. (3 lec hrs.)

Mkt 157 - Principles of Web Design I (3)

Formerly Bus 157

PreReq: "C" or better in Eng 21 or "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100 or placement in Eng 102

Recommended: Basic knowledge of and experience with PCs, application software, and the Internet.

Introduces students to the basic design and construction of a Web site in relation to best practices. Review of Internet history, concepts, and terminology. Hands-on activities include exposure to asset creation tools, but will focus on Web elements, layout and design, production tools, and user interface. Students will be taken through the process of constructing a Web site from start to finish. (2 lec hrs., 2 lec/lab hrs.)

Mkt 158 - Principles of Web Design II (3)

PreReq: Mkt 157

A continuation of Principles of Web Design I expanding on design and construction principles. Exposure to additional best practices, and hands-on activities will focus on accessibility and internationalization, audio/video asset editing tools, interactivity, testing, and implementation. Students will design and construct a Web site as a capstone project. Basic Web server setup and maintenance will be introduced. (2 lec hrs., 2 lec/lab hrs.)

Mkt 159 - Principles of PHP and MySQL (3)

PreReq: Mkt 158

Introduces students to PHP and MySQL to develop an interactive Web site. Students will install PHP and create a basic MySQL database in a Web server then create applications such as, but not limited to, a simple product catalog and customer or member only sites that require visitors to register and log in with a password. (2 lec hrs., 2 lec/lab hrs.)

Mkt 185 - Principles of E-Marketing (3)

Formerly Mkt 85

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Conducting business in today's digital age means using the Internet and other forms of digital sales and marketing. This course provides the foundation for marketing using the Internet. Course work includes managing e-Commerce through customer service, interfacing with customers by e-mail, understanding the digital mentality and netiquette, fulfilling e-Commerce orders, what not to do online, and thriving in the virtual international marketplace. (3 lec hrs.)

Mkt 193A—Marketing Practicum I (2)

PreReq: Mkt 20; and Busn 89 and (Busn 121 or Busn 123)

Co-Req: Busn 150 and Busn 160 and Busn 166 (or prior completion of any)

This is a capstone for students completing coursework in basic marketing skills. The focus of the course is advertising. Students will work individually and as a team to complete the following: produce and direct a television and/or radio commercial; write a press release; prepare a print advertisement; design a display. (1 lec hr., 4 prac hours)

Mkt 193B—Marketing Practicum II (3)

PreReq: Mkt 193A; and Busn 150 and Busn 189

Co-Req: Eng 55 and Bus 157 (or prior completion of either)

This course provides marketing majors with the opportunity to integrate the knowledge and skills they have acquired into the work environment as they complete meaningful productive tasks. Additionally, students will complete a capstone project that requires utilization of critical thinking skills to synthesize previous course work and develop original ideas. (1 lec hr., 8 prac hours)

Mathematics

All students are required to take a math placement test before enrolling in any math class at HawCC.

Math 1A—Basic Mathematics A (1)

PreReq: Placement in Math 1

CoReq: Math 1B and Math 1C and Math 1D

Students will review the procedures used to solve problems involving whole numbers. Covers addition, subtraction, multiplication, and division of whole numbers; exponential notation; and order of operations. Other topics included are estimations, factorization, divisibility, and determining least common multiples. (1 lec hr.)

Math 1B—Basic Mathematics B (1)

PreReq: Placement in Math 1

CoReq: Math 1A and Math 1C and Math 1D

Students will review the procedures used to solve problems involving fractions. Covers addition, subtraction, multiplication, and division of fractions; concepts of fractions; order; exponentiation; and order of operations. (1 lec hr.)

Math 1C—Basic Mathematics C (1)

PreReq: Placement in Math 1

CoReq: Math 1A and Math 1B and Math 1D

Students will review the procedures used to solve problems involving decimals. Covers addition, subtraction, multiplication, and division of decimals; concepts of decimals; rounding decimals; converting fractions to decimals; converting decimals to fractions; and order of operations. (1 lec hr.)

Math 1D—Basic Mathematics D (1)

PreReq: Placement in Math 1

CoReq: Math 1A and Math 1B and Math 1C

Students will review the procedures used to solve problems involving ration and proportion and percents. (1 lec hr.)

Math 22—Pre-Algebra Mathematics (4)

PreReq: "C" or better in Math 1ABCD or placement in Math 22

Designed to prepare students for an elementary algebra course as well as various technical math courses. Topics include: operations with integers and rational numbers, use of variables, algebraic expressions, the process of solving single- and multi-step equations, introduction to graphing linear equations, ratios, proportions, and percents. Optional topics may include geometry, mensuration, and polynomials. (4 lec hrs.)

Math 24—Elementary Algebra I (3)

Formerly Math 24X

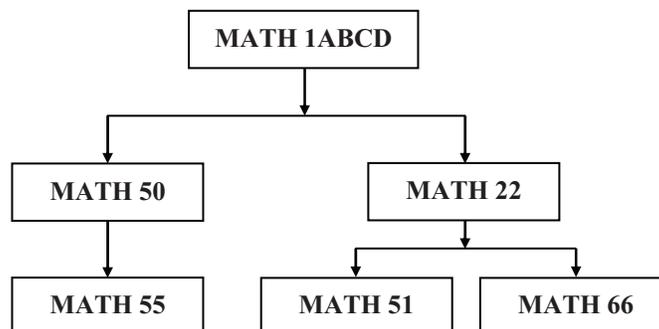
PreReq: "C" in Math 22 or placement in Math 24

This course is the first half of a standard one year course in elementary algebra. Topics to be covered include the concept of a variable, signed numbers, evaluation of expressions, solution of equations and inequalities in one variable, graphing, and systems of equations and inequalities. (3 lec hrs.)

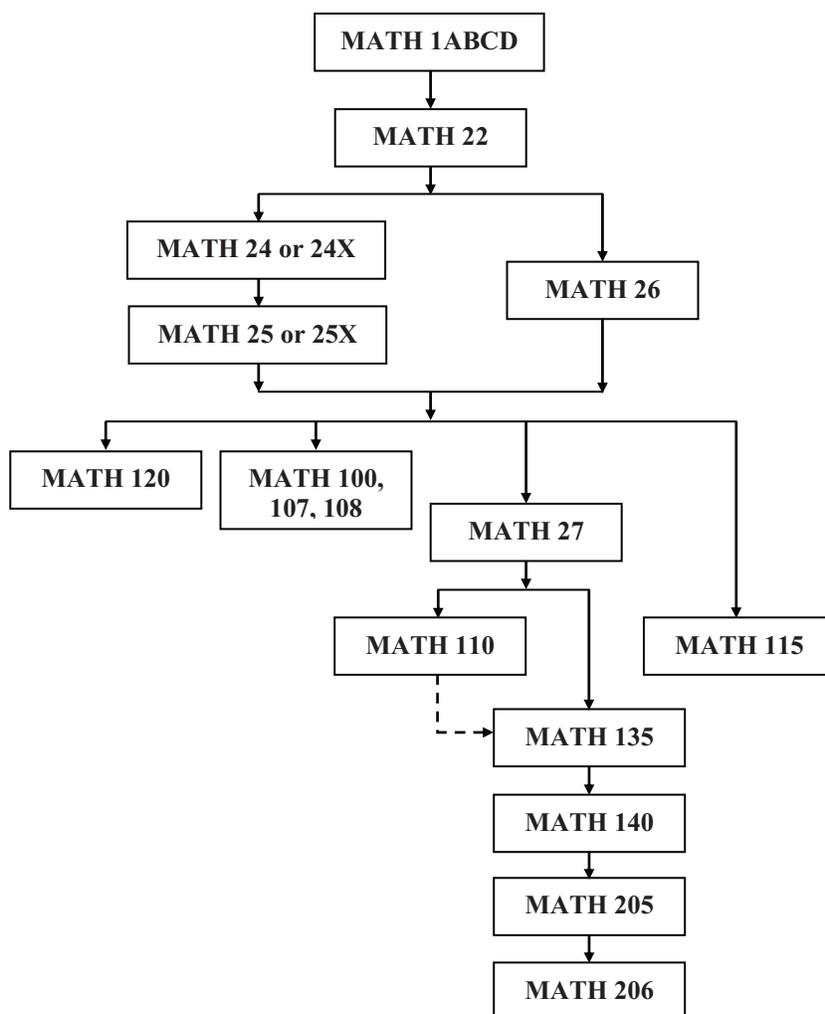
Math 24X—Elementary Algebra I (3)

Deleted. (See Math 24)

Vocational Math Progression



Liberal Arts Math Progression



Math 25—Elementary Algebra II (4)

Formerly Math 25X

PreReq: "C" or better in Math 24

This course is the second half of a standard one-year course in elementary algebra. Topics to be covered include polynomials, products and factors, quadratic equations, rational expressions and equations, and radical expressions and equations. (5 lec hrs.)

Math 25X—Elementary Algebra II (4)

Deleted. (See Math 25)

Math 26—Elementary Algebra (5)

PreReq: "B" or better in Math 22 or placement in Math 26

A beginning course in algebra; operating with real numbers, solving linear equations and inequalities in one variable, polynomials, factoring, rational numbers and rational expressions, linear equations, linear systems of equations, roots and radicals, and quadratic equations. (5 lec hrs.)

Math 27—Intermediate Algebra (3)

PreReq: "C" or better in Math 25 or 25X or Math 26 or placement in Math 27

Reviews real numbers, polynomials, algebraic fractions, first degree equations, and inequalities. Studies quadratic equations, exponents, radicals and rational expressions and equations, complex numbers, graphing equations and inequalities in two variables, systems of equations in two and three variables, applications of first and second degree equations and an introduction to functions. (3 lec hrs.)

Math 50—Technical Mathematics I (3)

PreReq: "C" or better in Math 1ABCD or placement in Math 50

An applied mathematics course that includes an integration of topics in arithmetic, algebra, geometry, tables and graphs, and problem solving. (3 lec hrs.)

Math 51—Algebra Topics for Electricity (3)

PreReq: "C" or better in Math 22 or placement in Math 51

Math and algebraic theory used in solution of practical problems dealing with simple electrical circuits and DC circuits. Mathematical principles are reviewed with emphasis on application of theory to problems concerned with electricity. (3 lec hrs.)

Math 55—Technical Mathematics II (1-3)

PreReq: Math 50

Advanced topics in technical mathematics including applications of algebra, geometry, and/or numerical trigonometry to shop problems. May be repeated for credit, provided that a different topic is studied. (variable hours)

Math 66—Trig & Algebraic Topics for Drafting and Electronics (4)

PreReq: "C" or better in Math 22 or placement in Math 24 or 24X

A course covering the fundamental concepts of arithmetic, algebra, geometry, and trigonometry, including application problems. (4 lec hrs.)

Math 100—Survey of Mathematics (3)

PreReq: "C" or better in Math 25 or 25X or "C" or better in Math 26 or placement in Math 100; and Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Designed to acquaint non-science majors with mathematical reasoning and problem solving, and to expose students to the power and utility of mathematics through its relationship to the world. Foundation topics covered are problem solving, elementary logic, and numeration systems; additional topics may include one or more of the following areas: algebra, geometry, probability, and statistics. Proofs and historical perspectives are included as appropriate. (3 lec hrs.)

Math 107—Mathematics for Education I (4)

PreReq: Math 25 or 25X or Math 26 or placement in Math 107; and Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Concepts, properties and applications of topics of number systems. Intended for pre-service and in-service elementary school teachers. (4 lec hrs.)

Math 108—Mathematics for Education II (4)

PreReq: Math 25 or 25X or Math 26 or placement in Math 108; and Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Concepts, properties and applications of topics from probability, statistics and geometry. Intended for pre-service and in-service elementary school teachers. (4 lec hrs.)

Math 110—College Algebra (3)

PreReq: "C" or better in Math 27 or placement in Math 110; and Eng 21 or placement in Eng 102

A continuation from Intermediate Algebra. Topics include: algebraic equations and inequalities, absolute value, polynomials, rational, exponential and logarithmic functions, conic sections, systems of equations and inequalities, matrices and determinants. Additional topics may include sequences and series, combinatorics, probability and/or mathematical induction. (3 lec hrs.)

Math 115—Statistics (3)

PreReq: "C" or better in Math 25 or 25X or "C" or better in Math 26 or placement in Math 115; and "C" or better in Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Presents basic introduction to topics in statistics including: descriptive statistics, elementary probability theory, normal and binomial distributions, and methods of statistical inference. Emphasis is on interpretation and application. (3 lec hrs.)

Math 120—Trigonometry for Surveying (4)

PreReq: "C" or better in Math 25 or 25X or "C" or better in Math 26 or placement in Math 120

Designed for students in Forest TEAM & related careers. Application of trigonometry to surveying. Topics included are solving right triangles to find angle measures and lengths of sides; specifying directions (finding bearings and azimuths to plot surveys); converting between bearings and azimuths; computing precision; using Law of Sine and Law of Cosine to find the measures of angles and lengths of sides of oblique triangles; computing areas of triangles and other polygonal regions using geometric and trigonometric formulas, computing, correcting and balancing latitude and departure, computing error of closure, and finding the coordinates of the survey. (4 lec hrs.)

Math 135—Pre-Calculus: Elementary Functions (4)

PreReq: "C" or better in Math 27 or placement in Math 135

Functions and relations, polynomial and rational functions, exponential and logarithmic functions, matrices, sequences and series. Instruction will be given on the use of appropriate technology to facilitate conceptual understanding of functions (numerically, graphically, symbolically, and verbally). (4 lec hrs.)

Math 140—Pre-Calculus: Trigonometry and Analytic Geometry (4)

PreReq: "C" or better in Math 135 or placement in Math 140

Properties of trigonometric functions, analytical geometry, polar coordinates, conic sections, and vectors. (4 lec hrs.)

Math 205—Calculus I (4)

PreReq: "C" or better in Math 140 or placement in Math 205

Basic concepts of differentiation and integration with applications. (4 lec hrs.)

Math 206—Calculus II (4)

PreReq: "C" or better in Math 205

The second course in the calculus sequence, which focuses on techniques of integration and on integrals of specific functions and their applications. Explores infinite series. (5 lec hrs.)

Microbiology

+ If a student/participant is under 18 years of age a co-signature of parent or guardian is required on the Assumption of Risk and Release Form.

Micr 130—Microbiology (3)

PreReq: Eng 21 or "B" in Eng 51 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

CoReq: Math 25 or 25X or Math 26 or placement in Math 27; and Micr 130L

Recommended: One semester of college chemistry or one year of high school chemistry

This is a survey course of microbiology including topics in infectious disease, microbial taxonomy, morphology, genetics, immunology, microbial ecology, and applied microbiology. (3 lec hrs.)

+Micr 130L—Microbiology Lab (1)

CoReq: Micr 130 or prior completion

This course provides hands-on experience in introductory microbiology. (3 lab hrs.)

Nursing, Adult Residential Care Home Operator

Prerequisite—Nurses Aide Certificate of Completion.

The following three courses (Nurs 12, 13, and 14) comprise the requirements for the CHO certificate of competency.

Nurs 12—Common Diseases, Medicines, Special Diets (1)

PreReq: Nurse's Aide OBRA Certification

Prepares care home operators to observe residents for signs and symptoms of common diseases, and to prepare special diets; includes content on side effects, use and misuse of medication, and lines of responsibility in caring for their residents. (1 lec hr.)

Nurs 13—Helping Therapies and Behavior Management (1)

PreReq: Certified Nurses' Aide Certificate

CoReq: Nurs 12 and Nurs 14

Prepares care home operators to assist in provision of occupational, physical, recreational and diversional therapies and to identify their role in caring for residents who are mentally retarded or emotionally ill. (1 lec hr.)

Nurs 14—ARCH Regulations, Accounts, Community Resources (1)

PreReq: Certified Nurses' Aide Certificate

CoReq: Nurs 12 and Nurs 13

Acquaints care home operators with specific regulations of Chapter 96, "Title II"; prepares them to compile accounting records; assists them to identify resources available to residents and operators. (1 lec hr.)

Nurs 15—ARCH Regulations and Record Keeping (2)

Designed in cooperation with the Department of Health to prepare Registered Nurses and Licensed Practical Nurses to be Residential Care Home Operators. Acquaints students with rules and regulations of Hawai'i Administrative Rules, Title 11, Chapter 100. Emphasis is placed on interpretation and applications of Chapter 100. Restricted to Registered Nurses and Licensed Practical Nurses only. (2 lec hrs.)

Nurses' Aide

Nurs 16—Nurses' Aide (8)

PreReq: Basic Life Support/CPR certificate (BLSC); and a score of 50 on COMPASS reading placement test

Basic nursing procedures for employment in hospitals, nursing homes, clinics and private homes. Includes formal classes, supervised laboratory practice and clinical experience in hospital and home settings. Satisfactory completion allows student to take the OBRA Certification Exam. (3 lec hrs., 15 lab hrs.)

Nursing, Practical

Nurs 101—Personal Vocational Relations (1)

PreReq: "C" or better in Nurs 122

Assuming the responsibilities and opportunities associated with a career in practical nursing. Ethical implications, legal aspects, and career requirements discussed. (1 lec hr.)

Nurs 120—Practical Nursing I (13)

CoReq: Sci 51 or prior completion with a "C" or better

Introduction to basic nursing theories and skills. Concepts related to the nurse-patient relationship, pharmacology, nutrition, and rehabilitation are included in the course. Application of knowledge in patient-care situations under supervision of faculty. Open to Practical Nursing Majors only. (7 lec hrs., 18 lab hrs.)

Nurs 122—Practical Nursing II (14)

PreReq: "C" or better in Nurs 120 and "C" or better in Sci 51

CoReq: FamR 230 or prior completion with a "C" or better

Integrates anatomy and physiology, human behavior, and nursing care. Emphasis on understanding and implementation of general nursing care of patients with medical, surgical, and emotional disturbances. Application of knowledge in patient-care situations including administration of medications under supervision of faculty. (8 lec hrs., 18 lab hrs.)

Nurs 126—Child Health (3)

PreReq: "C" or better in Nurs 122 and "C" or better in FamR 230

Theory and clinical experiences in caring for sick children of various age groups in the hospital. Concepts of normal growth and development are considered in the assessment, planning, and implementation of care for individual patients. Offered during summer session only. (1 lec hr., 6 lab hrs.)

Nurs 128—Maternity Nursing (3)

PreReq: "C" or better in Nurs 122 and "C" or better in FamR 230

Caring for the normal family unit during the antepartal, intrapartal, and postpartal periods including care of the newborn infant. Clinical experiences in doctor's office, hospital maternity and newborn units. Offered during summer session only. (1 lec hr., 6 lab hrs.)

Nursing, Associate of Science

Nurs 50—Nursing Student Success Strategies (2)

Provides an introduction to nursing levels, roles, and the profession. Communication, caring, and the therapeutic relationship are introduced. Students work together to establish general strategies and techniques for achieving success in the nursing programs. Other topics: identifying learning styles and goals, strategies for reading, studying, note-taking and test-taking, time and stress management and critical thinking skills. Open to pre-nursing and nursing majors only. (2 lec hrs.)

Nurs 110—Introduction to Medical Terminology (2)

Recommended: Sci 51 or Biol 100

An introduction to medical terminology that includes: prefixes, suffixes, and word roots; pronunciation, spelling, definition of words dealing with human body systems; commonly used abbreviation and symbols; diagnostic and special procedures; pathology and pharmacology. Emphasis is on increasing professional vocabulary. (2 lec hrs.)

Nurs 151—Mental Health Nursing (2)

First level introductory course in which concepts basic to nursing assessment are presented within the framework of the nursing process. Emphasis is on psychosocial and sociocultural assessment of the adult and geriatric client using basic communication skills. Simulated clinical experiences in laboratory setting. Open to Nursing majors only. (1 lec hr., 3 lab hrs.)

Nurs 153—Nursing Concepts and Skills (8)

First level introductory course in which concepts basic to nursing care are presented within the framework of the nursing process. Emphasis is on basic care of the adult and geriatric client using beginning level psychomotor and communication skills. Clinical experiences in laboratory and health agencies. Open to Nursing majors only. (3 lec hrs., 15 lab hrs.)

Nurs 157—Adult Health Nursing (10)

PreReq: "C" or better in Nurs 151 and "C" or better in Nurs 153 and "C" or better in Nurs 158

First level course in which concepts basic to promotion, maintenance and restoration of adult health are presented within the framework of the nursing process. Emphasis is on nursing management of clients' experiencing disruptions in ego and body integrity/defense, oxygenation, metabolism, fluid and electrolyte balance, sensory-perceptual, mobility and coordination, digestion and elimination due to developmental and/or pathophysiological processes. (4 lec hrs., 18 lab hrs.)

Nurs 158—Issues and Trends I (1)

First level introductory course in which the historical, legal, ethical and political aspects of professional nursing are explored. The nursing roles of member of the profession, member of the health care team and client advocate and educator are addressed. Open to Nursing majors only. (1 lec hr.)

Nurs 198V—Directed Clinical Studies (1-3)

Application of knowledge and basic nursing skills in selected clinical areas. Students may identify own clinical objectives under the guidance of nursing faculty. Planned clinical supervision by nursing faculty in college nursing lab and hospital setting. May be repeated for credit, up to 4 credits. (variable hours)

Nurs 251—Mental Health and Psychiatric Nursing (3)

PreReq: "C" or better in Nurs 157

Second level course in which concepts regarding the promotion, maintenance, and restoration of mental health are presented within the framework of the nursing process. Emphasis is on nursing management of clients and families experiencing disruptions in psychosocial functioning. Clinical experiences in institutional and community based settings. (1 lec hr., 6 lab hrs.)

Nurs 254—Family Health Nursing Care I (5)

PreReq: "C" or better in Nurs 157

Second level course in which concepts regarding promotion, maintenance and restoration of health are applied to the nursing care of the childbearing woman and family are presented within the framework of the nursing process. Emphasis on health teaching, anatomic and physiologic adaptation, human growth and development, and the many interdependent relationships of human reproduction (including normal and high risk pregnancies). Clinical experiences in hospital and community based settings. (2 lec hrs., 9 lab hrs.)

Nurs 255—Family Health Nursing Care II (5)

PreReq: "C" or better in Nurs 157

Second level course in which concepts regarding promotion, maintenance and restoration of health are applied to the nursing care of the pediatric client and childrearing family. Concepts are presented within the framework of the nursing process. Emphasis on growth and development and health teaching of the pediatric client and family in community family based settings. Clinical experiences in hospital and community based settings. (2 lec hrs., 9 lab hrs.)

Nurs 257—Advanced Adult Health Nursing (5)

PreReq: "C" or better in Nurs 157

CoReq: Nurs 260

Second level course in which concepts regarding promotion, maintenance and restoration of health are applied to the management of clients experiencing complex disruptions in functioning. Concepts are presented within the framework of the nursing process. Emphasis is on managing the nursing care of groups of clients in hospital, long term care and community settings. Clinical experiences in institutional and community based settings. (2 lec hrs., 9 lab hrs.)

Nurs 258—Issues and Trends II (1)

PreReq: "C" or better in Nurs 157

Second level course in which legal, ethical, political and sociocultural issues and trends impacting health care are discussed. Emphasis is on the roles and responsibilities of the new graduate. (1 lec hr.)

Nurs 260—Nursing Management (2)

PreReq: "C" or better in Nurs 157

CoReq: Nurs 257

Second level course in which principles of management, organizational structure, leadership, decision making and change are presented within the framework of the nursing process. Emphasis is on the beginning level of management of the nursing care of a group of clients. Application of principles occurs in Nurs 257 clinical settings. Employment opportunities and effective job-seeking strategies are addressed. (2 lec hrs.)

Nurs 264—Introduction to Emergency Nursing (2)

PreReq: "C" or better in Nurs 157 or Registered Nurse

Recommended: Ability to use e-mail and Internet

This is an elective, second level course in which advanced nursing theory related to the care of the emergency department client is presented within the framework of the nursing process. Emphasis is on triaging, assessing and treatment of cardiovascular, respiratory, and multi-trauma emergencies. Physiology and pathophysiology of cardiovascular, respiratory, and multi-trauma emergencies will be presented. (2 lec hrs.)

Nurs 266V—Contemporary Nursing Topics (1-3)

PreReq: Nurs 157

Second level elective course. Advanced nursing care topics relevant to current nursing issues and community needs will be offered. Course content and topics may vary among semesters. May be repeated for credit provided that a different topic is studied. (variable hours)

Nurs 298V—Directed Clinical Studies (1-3)

PreReq: Consent of the Director of Nursing Programs

Application of knowledge and advanced nursing skills in selected clinical areas. Students may identify own clinical objectives under the guidance of nursing faculty. This will be a planned clinical supervision by nursing faculty in selected clinical settings. May be repeated for credit, up to 4 credits. (variable hours)

Oceanography

Ocn 201—Science of the Sea (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102; and Math 25 or 25X or Math 26 or placement in Math 27

Geological, physical, and biological aspects of the ocean; structure, formation, and features of ocean basins; seawater properties and their distributions; currents, waves, tides; characteristics of marine organisms; marine ecological principles. (No more than 3 credits may be granted for the completion of both Ocn 201 and Geol 201 at UHH College of Arts and Sciences.) (3 lec hrs.)

Ocn 205—Intermediate Oceanography (3)

PreReq: "C" or better in Ocn 201

An examination of the methods and results of marine science applied to various problems in geological, physical, chemical, and biological oceanography. Topics from Ocn 201 reexamined in more detail. (3 lec hrs.)

Office Administration and Technology

* Some OAT courses converted to the Business (BUSN) alpha

OAT 21B—Keyboarding I (1)

Deleted.

OAT 21C—Keyboarding II (1)

Deleted.

OAT 21D—Keyboarding III (1)

Deleted.

OAT 23—Document Formatting (3)

Deleted.

OAT 29—Microcomputer Fundamentals (1)

Deleted.

OAT 30—Information Processing (3)

Deleted.

OAT 31—Information Processing Applications (3)

Deleted.

OAT 34—Word Processing Fundamentals (1)

Deleted.

OAT 36—Spreadsheet Fundamentals (1)

Deleted.

OAT 37—Database Fundamentals (1)

Deleted.

OAT 40B—Filing (1)

Deleted.

OAT 43B—Telephone Techniques and Communications (1)

Deleted.

OAT 43E—Preemployment Preparation (1)

Deleted.

OAT 53—Office Simulation (3)

Deleted.

OAT 66B—Beginning Shorthand, Alpha I (3)

Deleted.

OAT 66C—Beginning Shorthand, Alpha II (2)

Deleted.

OAT 68—Intermediate Shorthand, Alpha (4)

Deleted.

OAT 70—Advanced Shorthand, Alpha (4)

Deleted.

OAT 81—Machine Transcription II (3)

Deleted.

Pharmacology

Phrm 203—General Pharmacology (3)

PreReq: Biol 141 and Biol 141L; and Math 25 or 25X or Math 26 or placement in Math 27

Drugs discussed with emphasis on sites and mechanism of action, toxicity, fate and uses of major therapeutic agents. Intended for undergraduates in the health sciences and related fields. (3 lec hrs.)

Philosophy

Phil 100—Introduction to Philosophy: Survey of Problems (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Major philosophers, methods, and issues in philosophy. Discussion of such problems as our knowledge of reality, the freedom of the will, the relations between the mind and body, morality, ethics, and the existence of God. (3 lec hrs.)

Phil 101—Introduction to Philosophy: Morals and Society (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Examination of social and individual values, obligations, rights, and responsibilities. Application of classical ethical theories to contemporary moral issues. (3 lec hrs.)

Phil 102—Introduction to Philosophy: Asian Traditions (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Universal themes and problems, methods and fields of Philosophy from the historical as well as positional perspectives of Asian traditions of Hindu, Buddhist, Taoist, Confusian and Shinto philosophical world views. (3 lec hrs.)

Phil 110—Introduction to Logic (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Development of basic methods and techniques of analysis and an understanding of principles and concepts involved in critical thinking. Emphasis on logical validity, deductive and inductive reasoning, fallacious arguments, Symbolic logic, Fuzzy logic, and the Scientific Method and the criteria of reasonable evidence. (3 lec hrs.)

Phil 120—Science, Technology and Values (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Addresses the relationship between science, technology and human values with a focus on contemporary problems posed by developments in modern science. Discussion on modern results and historical development of astronomy, evolution and atomic theory. Understanding the impact of cognitive and other values on world views. (3 lec hrs.)

Phil 211—History of Western Philosophy I (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

An introduction to the history of philosophy based on translation of text originally written in classical Greek or Latin, from the Pre-Socratics, to Plato, Aristotle and the Roman thinkers. (3 lec hrs.)

Phil 213—History of Western Philosophy III (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Introduction to the history of philosophy based on texts or translations of 'modern' works, that is, works originally written in a modern European language from the Renaissance to 19th century. (3 lec hrs.)

Phil 255—Cosmology (3)

PreReq: "C" or better in Eng 100

An interdisciplinary general survey of modern science and philosophy from the humanistic perspective. A scientific description of the Universe as a whole and the implication for human life will be studied. The primary philosophical problems of cosmology will be discussed along with the problem of understanding the world and our place in it, as well as our knowledge of it as a part of the Universe. (3 lec hrs.)

Physics

Phys 25—Measurements Toolbox (3)

Using a combination of methods and actual measuring tools, the measurement topics required in science will be learned and experience gained in applying the measures. (3 lec hrs.)

Phys 50—Technical Physics (3)

PreReq: Math 22 or Math 50 or Math 51 or placement in Math 24 or 24X

A study of matter and energy with emphasis on practical applications. Selected topics from mechanics, heat, sound, or electricity. (3 lec hrs.)

Phys 55—Metallurgy (3)

The identification of metals; metallic structure and properties; effects of heat and chemicals on metals; testing and analytical examination of metals; progressing of metals; alloys; heat treatment; annealing and hardening of metals. (3 lec hrs.)

Phys 56—Hydraulics (3)

Studies and technical application of the transmission of energy and the effects of liquid in motion. (3 lec hrs.)

Phys 100—Concepts of Physics-A Survey (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102; and Math 22 or placement in Math 26

Students learn the concepts and methods of modern physics. Emphasis on comprehension of the scientific approach to problem solving and understanding of fundamentals of physics in motion, forces and energy, heat and sound, structure of matter, electricity and magnetism, light and relativity. Course designed for liberal arts students and as preparation for mathematics-based physics courses. (3 lec hrs.)

Phys 100L—Survey of Physics Lab (1)

CoReq: Phys 100 or prior completion

Simple experiments in the basic concepts of physics, illustrating the role of physics in society to the nonscientist. (3 lab hrs.)

Political Science

PolS 110—Introduction to Political Science (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

The nature of the State, basic forms of government, and the theories of democracy, communism, fascism, and other political ideologies. Roles of political parties and pressure groups; the nature of job opportunity and voting behavior; the character of modern public administration; the pattern of contemporary international relations. (3 lec hrs.)

Psychology

Psy 100—Survey of Psychology (Introductory) (3)

PreReq: Eng 21 or "B" or better in Eng 51 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Principles of human behavior, individual difference, motivation, emotion, perception, learning. (3 lec hrs.)

Psy 170—Psychology of Adjustment (3)

PreReq: Eng 21 or "B" or better in Eng 51 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Understanding, evaluating and improving adjustment. Ideas and techniques concerning behavior change and personal growth. (3 lec hrs.)

Psy 214—Research Methodology (4)

PreReq: Psy 100 and Psy 213; and Eng 100; and Math 115

Examines methods of critically reading, interpreting and evaluating psychological research. Explores ethical issues in research methods of scientific observation, development of experiments using a variety of research design and writing using APA style. (4 lec hrs.)

Psy 230—Human Sexuality (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

The biological, psychological, and sociological determinants of human sexuality are explored. Some specific topic areas include: the anatomy and physiology of sexual behavior and reproduction, gender role and sexual differences, sexual variations in behavior, clinical dysfunctions and treatment, and contemporary issues. (3 lec hrs.)

Psy 270—Intro to Clinical Psychology (3)

PreReq: Psy 100

An introduction to the scientific and professional aspects of clinical psychology. Basic concepts related to assessment, treatment and clinical models will be explored and examined. (3 lec hrs.)

Psy 275—Psychology and the Expressive Arts (3)

Cross-listed as Hum 275

Religious Studies

Rel 150—Introduction to the World's Major Religions (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Introduction to the World's Major Religions: Primal Religions (Shamanist/Animist), Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and New Modern Religious Movements (Bahai, Rastafarianism, etc.). (3 lec hrs.)

Rel 151—Religion and the Meaning of Existence (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Introduction to contemporary religious issues, their background and development, with emphasis on the question, "What is the meaning of existence?" (3 lec hrs.)

Rel 152—Asian Religions (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Introduction to the study of Asian Religions: Hinduism, Buddhism, Confucianism, Taoism, Shinto, Islam in Asia, Primal Religions (Shamanist/Animist), and New Modern Asian Religious Movements. (3 lec hrs.)

Rel 153—Western Religions (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Introduction to Western Religions: Ancient Religions of the Mediterranean, Primal religions of America and the Pacific, Judaism, Christianity, and Islam. Focus is on modern versions of Christianity and new Religious Movements in the United States. (3 lec hrs.)

Science

+ If a student/participant is under 18 years of age a co-signature of parent or guardian is required on the Assumption of Risk and Release Form.

+Sci 20—Individual and Environment (3)

The nature of man and of the problems which science and technology have created; overpopulation and pollution and possible alternative solutions. (3 lec hrs.)

Sci 51—Basic Science for Health Occupations (3)

Basic concepts in chemistry, physics, microbiology, anatomy, and physiology are included. Primarily for students in health occupation programs. (3 lec hrs.)

+Sci 124—Introduction to Environmental Science (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

An introduction to ecological principles and how they relate to the human situation. The course also explores the causes and solutions of present environmental problems. (3 lec hrs)

+Sci 124L—Introduction to Environmental Science Lab (1)

CoReq: Sci 124 or prior completion

The laboratory accompanies the Environmental Science 124 lecture. Students apply the scientific method in learning about processes of ecosystem function and of human impact on the natural environment. Field work and field trips are an integral part of this course. (3 lab hrs.)

Sci 222—Marine Navigation (3)

Deleted.

Social Science

SSci 25—Issues in Ecology (3)

PreReq: Eng 20R or Eng 51 or ESL 9 or placement in Eng 21

This interdisciplinary course is concerned with developing a basic understanding and awareness of environmental issues and problems, their cause, and solutions. Students explore social, economic, and political aspects of issues such as pollution, population, and resources. (3 lec hrs.)

SSci 45—Urban Community (3)

The local community, its functions and its relationships to the island and state nation and world. Technology, work, public policy, and institutions will be examined. Field work. (3 lec hrs.)

SSci 60—Family and Community (3)

Overview of family and community in our contemporary society. The course studies how to identify family and community issues, strategies and resources to address problem areas, and how to develop skills which strengthen families and responsible citizenry. (3 lec hrs.)

SSci 111—Humanity, Society, and Technology (3)

Humanity's existence in a changing society brought about by rapid technological advancements. Trends, current issues, and future global alternatives for man's survival. (3 lec hrs.)

SSci 150—Ecology and Society (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Examines how the relationship between the individual and the natural environment is mediated through society. Involves learning to identify systems of culture and political economy in terms of institutionalized relationships to nature. Students develop a basic awareness of environmental issues and problems, their causes, and solutions. (3 lec hrs.)

SSci 160—Modes of Thought (3)

Cross-listed as Hum 160

SSci 241—Labor Problems and Trade Unionism (3)

Problems and economics of labor, history, structure, government, activities of trade unions; social and labor legislation. (3 lec hrs.)

SSci 250—Environmental Issues (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100; and Math 26 or placement in Math 27; and SSci 150; and consent of Instructor

This interdisciplinary course will require students to synthesize skills, knowledge and understanding of environmental issues. Students will be required to, individually or in a group, independently research and evaluate an issue relevant to our environment in Hawai'i, such as development, pollution, conservation, or natural resources. This includes interacting with the community, such as service learning. (3 lec hrs.)

Sociology

Soc 100—Survey of General Sociology (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102

Survey of basic social relationships, social structures and processes. (May be applied toward Sociology major in UHH College of Arts and Sciences) (3 lec hrs.)

Soc 208—Criminology (3)

Cross-listed as AJ 208

Soc 218—Social Problems and Social Issues (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

An introduction to the major social problems and issues of contemporary society, including their nature, social causes and possible solutions. (3 lec hrs.)

Soc 251—Introduction to Sociology of the Family (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Examines family patterns, mate selection, parent-child interaction, socialization of roles, legal issues, and current trends in family organization and functions. (3 lec hrs.)

Soc 265—Community Development (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

Course introduces students to the theory, methods, and practical application of community development studies. The course will review diverse types of successful community organizing projects with concern for the ethics, strategies and means available for successful community development. The course will involve significant participation in organizing community groups. (3 lec hrs.)

Soc 289—Sociology of Knowledge (3)

PreReq: Eng 22 or ESL 15 or placement in Eng 100

Recommended: Soc 100

The sociology of knowledge studies the connection between modes of consciousness and knowledge and social structure. This course examines how forms of consciousness like art, political ideologies, popular culture, science, religious beliefs and philosophy reflect a society's institutions. It reviews the historical processes by which society forms and is formed by ideas. (3 lec hrs.)

Soc 290—Hawai'i's People (3)

Sociologically-oriented approaches to create an awareness of individual cultural backgrounds and the culture of other ethnic groups in Hawai'i and in the continental U.S. (May be applied toward Sociology major in UHH College of Arts and Sciences) (3 lec hrs.)

Speech and Communication

SpCo 51—Oral Communication Techniques (3)

A practical skills-oriented course stressing a great deal of practice in speech skills. (3 lec hrs.)

SpCo 130—Business and Organization Communication (3)

PreReq: "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100

Recommended: ESL 25 and/or Eng 55

Develops competence in oral and written communication within business and organizational contexts. Provides theory and practical skills to be a confident and effective communicator in a variety of business and organizational settings. (3 lec hrs.)

SpCo 151—Introduction to Speech and Communication (3)

PreReq: "C" or better in Eng 22 or "C" or better in ESL 15 or placement in Eng 100

Principles, theories and practices in one-to-one, small group, and one-to-many communication situations through participation in structured activities. (3 lec hrs.)

SpCo 231—Oral Interpretation of Literature (3)

PreReq: SpCo 151

The study of literature through performance. Practice in rhetorical and literary analysis culminating in performance of literary selections for an audience. The study of and practice in performance criticism. (3 lec hrs.)

SpCo 251—Public Speaking (3)

PreReq: Eng 100

Analysis, preparation and delivery of speeches. Emphasis on content, organization and style. (3 lec hrs.)

SpCo 260—Media and Society (3)

PreReq: Eng 100

An introductory survey course that explores the history, architecture, impacts, and major theories of mass media. It fuses theory with practice by including a component on media message production that permits students a hands-on learning style with actual media production skills and vocabulary. (3 lec hrs.)

Substance Abuse

Subs 140—Individual Substance Abuse Counseling (3)

CoReq: Subs 268 or prior completion

Focuses on theoretical approaches and interviewing skills used in counseling chemically dependent individuals. This course also examines ethical issues and self-care in substance abuse counseling utilizing didactic and experiential learning. (3 lec hrs.)

Subs 141 - Introduction to Ho'oponopono (3)

Cross-listed as HwSt 141 and HSer 141

Subs 245—Group Counseling (3)

Cross-listed as HSer 245

Subs 248—Case Management (3)

Cross-listed as HSer 248

Subs 262—Adolescent Counseling (3)

Cross-listed as HSer 262

Subs 268—Survey of Substance Abuse Problems (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100

This course provides students with a general and basic understanding of substance use, abuse, and dependency. Students will explore the historical and societal perceptions of substance use, patterns and trends of use, and societal and legal responses to drugs and alcohol. Methods of ingestion, effects on the individual, prevention, intervention, and treatment will be identified and analyzed. (3 lec hrs.)

Subs 270—Twelve Core Functions of Substance Abuse Counseling (3)

PreReq: Subs 268

This course focuses on the treatment process including intervention and prevention issues as it applies specifically to the substance abuser. Ethical and legal issues for the substance abuse counselor will be identified. A primary theme in this course will be the explication of the Twelve Core Functions of a Substance Abuse Counselor. (3 lec hrs.)

Subs 275—Families and Addiction (3)

PreReq: Subs 268

Identifies the effects of chemical use and abuse on the family from the systemic, disease, and addiction perspectives. Includes developmental stages and task of family recovery and current treatment approaches, including family psychoeducation group counseling. (3 lec hrs.)

Subs 280—Co-occurring Disorders (3)

PreReq: Subs 268

CoReq: Subs 270 or prior completion

Encompasses the relationship between chemical dependency and mental illness. This course examines the identification and assessment of individuals diagnosed with co-occurring disorders, current treatment approaches, case management, and challenges that arise in the treatment of individuals with substance abuse and mental illness. (3 lec hrs.)

Subs 294—Substance Abuse Practicum I (3)

CoReq: Subs 140 and Subs 268 (or prior completion of either)

An exploratory internship for majors who wish to gain field experience in a substance abuse agency setting. The focus is to introduce students to the practical experience of the Twelve Core Functions of a Substance Abuse Counselor by observation and practice when appropriate. (3 lec hrs.)

Subs 295—Substance Abuse Practicum II (3)

PreReq: Subs 294

CoReq: Subs 270 or prior completion

Course provides advanced fieldwork experience in the same agency selected for Practicum I, or in another agency. Students will design and implement more advanced personal objectives than those for Subs 294, while continuing practical experience and training in the Twelve Core Functions. Students will be required to attend classroom seminars to process and discuss field placement experiences. (3 lec hrs.)

University

Univ 101—Freshman Experience Seminar (3)

Designed to assist first year students in knowing HCC, its programs, services, and place in the tradition of higher education. Students will learn about their role, the skills they will need, expectations of others, career options, and the student's contributions to this multi-cultural setting. Admission is limited to classified freshman students. (3 lec hrs.)

Welding and Sheet Metal

Weld 17—General Welding (3)

For non-majors. Theory and basic manipulative techniques in the safe operation of equipment for oxyacetylene welding and cutting and for shielded metal arc welding. Emphasis on safety, machines and accessories, electrode identification and selection, identification of metals, and basic manipulative skills. (3 lec hrs.)

Weld 20—Introduction to Welding (8)

CoReq: Weld 23

Welding shop safety, proper use of oxyacetylene and electric arc welding equipment, care and use of tools and machines, flat position welding of ferrous metals, layout and fabrication procedures, jig and fixture development. (1 lec hr., 14 lec/lab hrs.)

Weld 23—Basic Metalwork (4)

CoReq: Weld 20

Shop safety, care and use of hand tools and machines, sketches and blueprints, soldering techniques, drilling and punching procedures, and riveting and seaming operations. Sheet metal uses, fastening devices, basic supplies, and metal characteristics. (8 lec/lab hrs.)

Weld 24—Measurement and Layout (2)

An introductory course in linear and angular measurement; applications of math calculation on practical shop projects using common measuring and layout tools; direct measurement and simple layout using basic geometric construction and principles of squaring; blanking and procedures for development of simple patterns with allowances for common edges and seams; use of common three factor equations and application on cylindrical objects and rectangular objects with edges and seams; emphasis on accuracy in linear and angular measurement, squaring, and direct measurement layout. (4 lec/lab hrs.)

Weld 25—Metal Fabrication I Sheet Metal (2)

An introduction to manual processes in sheet metal fabrication; direct measurement layout and introduction to pattern development including parallel line development; procedures for layout, blanking, cutting, and forming, use of mechanical joints, fasteners and soldering; sheet metal fabrication of common fittings; emphasis on pattern development and sheet metal processes; sheet metal fabrication of round fittings and application to pipe. (4 lec/lab hrs.)

Weld 26—Basic Arc Welding (2)

This is a theory and practice course in SMAW safety and set-up; electrical principles and terminology; manipulative techniques in flat and horizontal welding; common SMAW power sources; electrode identification; selection; application, and manipulative techniques; basic materials, their identification and weldability; introduction to evaluation of welds and common shop tests to determine weld quality; and common joints and fit-up in structural steel and plate. (4 lec/lab hrs.)

Weld 27—Metalworking Lab I (2)

CoReq: Weld 24 or 25 or 26 or 28 or 29 (or prior completion of any)

Open laboratory for students to complete assigned work or to develop proficiency in basic skills. The student must be enrolled in one of the courses listed above, or have credit in the courses that require this additional lab time. With instructor approval, course may be repeated for credit, up to 6 credits. (4 lec/lab hrs.)

Weld 28—Metalworking (2)

Introduction to the metalworking trades; safety and common industrial shop practices; interpretation of shop drawings and sketches; commonly used materials and supplies; basic hand tools; metalworking machinery and bench work common to metal fabrication; emphasis on hand processes and fabrication with light gage materials and flat stock. (4 lec/lab hrs.)

Weld 29—Oxy-acetylene Welding, Brazing, and Cutting (2)

This is a theory and practice course designed to provide instruction in the areas of oxy-acetylene welding safety; proper use of oxy-acetylene welding equipment; flat, horizontal, and vertical welding of ferrous metals; bronze welding and silver brazing methods and applications; and oxy-acetylene cutting of ferrous metals with a manual torch and radiograph. (4 lec/lab hrs.)

Weld 30—Intermediate Welding and Fabrication (8)

CoReq: Weld 33

Horizontal, vertical and overhead position welding, brazing and soldering of ferrous and nonferrous metals. (1 lec hr., 14 lec/lab hrs.)

Weld 31—Intermediate Welding (2)

PreReq: Weld 26

Theory and practical course in shielded metal arch welding; joint designs, preparation, and fit-up; mild steel electrodes and low hydrogen-type electrode applications and weld techniques; development of manipulative skills on common welding joints with mild steel and low hydrogen-type electrode in the horizontal, vertical, and overhead positions; emphasis on proficiency in vertical up welding with mild steel and low hydrogen-type electrodes; and preparation for AWS structural welding limited certification test in the vertical position. (4 lec/lab hrs.)

Weld 33—Sheet Metal Fabrication (4)

CoReq: Weld 30

Sheet metal pattern development and forming and shaping various sheet metal projects such as gutters, gutter miters, hangers, flashings, downspouts, expansion joints, etc. (8 lec/lab hrs.)

Weld 34—Welding Fabrication (2)

PreReq: Weld 26

Basic welding fabrication with emphasis on safety and common industrial shop practices; interpretation of shop drawings and sketches; commonly used materials and supplies; layout on plates and structural steels; common joint designs and fit-up; oxy-acetylene cutting of plate and structural steel; basic structural framing; use of jigs and fixtures; common practices to control expansion and contraction of weldments and welding procedures. (4 lec/lab hrs.)

Weld 35—Metalworking Lab II (2)

CoReq: Weld 31 or 34 or 36 or 39 or 40 (or prior completion of any)
Open laboratory for students to complete assigned work or to develop proficiency in basic skills. The student must be enrolled in one of the courses listed above, or have credit in the courses that require this additional lab time. With instructor approval, course may be repeated for credit, up to 6 credits. (4 lec/lab hrs.)

Weld 36—Gas Metal Arc Weld (GMAW) (2)

Introductory course in semi-automatic welding with wire feeders; safety, basic electricity in welding, power sources, wire feeders, MIG gun and cable assembly, filler wires, shielding gases, selection and set-up of GMAW welding processes; set-up for solid micro-wire in short-circuiting mode for thinner metals or set-up for heavier welding in spray transfer mode; welding techniques and procedures for all-position welding. (4 lec/lab hrs.)

Weld 37—Flux Cored Arc Weld (FCAW) (2)

Introductory course in semi-automatic welding with wire feeders; safety, basic electricity in welding, power sources, wire feeders, MIG gun and cable assembly, filler wires, shielding gases, selection and set-up of FCAW welding; set-up with constant voltage and constant current power sources; types and size wires for positioned, all-position, and dual-shield FCAW; welding techniques and procedures for all-position FCAW welding. (4 lec/lab hrs.)

Weld 38—Gas Tungsten Arc Weld (GTAW) (2)

Introductory course in GTAW with air cooled and water cooled TIG torches; safety, basic electricity in welding, power sources, TIG torches, types of weld current, types and sizes of tungsten electrodes, shielding gases and flow meters, types and sizes of filler metal, set-up GTAW for commonly welded ferrous and nonferrous metals; joint design and fit-up for GTAW welding; welding techniques for GTAW of common ferrous metals, stainless steel, and aluminum. (4 lec/lab hrs.)

Weld 39—Metal Fab II Radial Line Development (2)

PreReq: Weld 25
Manual and machine process in sheet metal fabrication; direct measurement layout and pattern development including radial line development; procedures for layout, blanking, cutting, forming, use of mechanical joints, fasteners, and soldering; sheet metal fabrication of symmetrical and uniform tapering fittings; radial line development of patterns and sheet metal process. (4 lec/lab hrs.)

Weld 40—Qualification Procedures (2)

PreReq: Weld 26
A practical course in industrial standards for quality control in welding and welding fabrication; introduction to the common codes, specifications, and standards used for procedure qualification and welder certification emphasis on specific parts of these codes applying to workmanship and qualifications; certification requirements and applications of these codes to specific types of welded construction or fabrication; and development of qualification procedures and testing for welder certification with AWS D1.1-86 Structural Welding Code. (4 lec/lab hrs.)

Weld 41—Advanced Welding (8)

CoReq: Weld 43
Advanced techniques in electric arc welding; prepares students for the qualification tests in the vertical and overhead positions on the guided bend testing machine. (1 lec hr., 14 lec/lab hrs.)

Weld 43—Sheet Metal Pattern Development & Fabrication (4)

CoReq: Weld 41
Sheet metal pattern development procedures, techniques in construction of geometrical forms, concepts of multiview drawings and planes of projection, and principles of parallel and radial line development and triangulation. (8 lec/lab hrs.)

Weld 50—Special Processes in Welding (8)

CoReq: Weld 53
Pipe joint preparation; all-position pipe welding with electric, ferrous and nonferrous metal; welding with oxyacetylene and electric arc; and aluminum and stainless steel welding with tungsten inert gas (TIG) and metallic inert gas (MIG). (1 lec hr., 14 lec/lab hrs.)

Weld 53—Pattern Development (4)

CoReq: Weld 50
Pipe joint preparation and pipe pattern development for basic fittings for heating and air-conditioning type of work. (8 lec/lab hrs.)

Women's Studies

WS 151—Introduction to Women's Studies (3)

PreReq: Eng 21 or placement in Eng 102; and Eng 22 or ESL 15 or placement in Eng 100
This course will present an interdisciplinary examination of the evolving role, status, and identity of women in a multicultural society. Emphasis will be given to patterns of social change and their effect on contemporary issues. (3 lec hrs.)

WS 256—Domestic Violence and Child Abuse (3)

Cross-listed as AJ 256 and HSer 256

Zoology

Zool 101—Principles of Zoology (3)

PreReq: Eng 21 or Eng 22 or ESL 15 or placement in Eng 100 or placement in Eng 102
CoReq: Zool 101L (when offered)
The biology of animals: kinds of animals, their structure, evolutionary relationships, physiology, ecology and development. (3 lec hrs.)

Zool 101L—Principles of Zoology Laboratory (1)

CoReq: Zool 101 or prior completion
Laboratory to accompany Zool 101. Laboratory exercises on the biology of animals, their structure, evolutionary relationships, physiology, and ecology. (3 lab hrs.)



Raynette Haleamau-Kam
Recipient, Chancellor's Award for
Outstanding Service to the College



Andrea Duyao
Recipient, Campus Award for
Outstanding Staff Member



Ellen Okuma (left)
Jill Savage (right)
Co-recipients, 'A'ali'i Award

Faculty and Staff

The faculty of Hawai'i Community College are highly trained and experienced in their respective fields. In the vocational technical fields they hold a minimum technical or bachelor's degree while most in business education and the liberal arts hold masters and/or doctoral degrees in their fields.

Many faculty have extensive work experience in their fields. The Trade & Industry faculty, for example, are experts in their areas, each with an average of over ten years of industry work experience. They bring to the classroom a keen insight into the demands and needs of modern high tech industry. In addition, professional staff development activities keep all faculty abreast of trends and developments in their fields and enhance their effectiveness in classroom teaching.

The University of Hawai'i is an Equal Opportunity/Affirmative Action Employer.

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Darolyn H. Lendio Vice President for Legal Affairs and University General Counsel

Nainoa Thompson Advisor on Hawaiian Affairs
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Carolyn Tanaka Associate Vice President for External Affairs and University Relations

Howard Todo Vice President for Budget and Finance/Chief Financial Officer

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James R. Gaines Vice President for Research
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Hawai'i Community College Instructional Units

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Humanities	John Cole	Department Chair
Math & Natural Sciences	Marilyn Bader	Department Chair - Mathematics
	Laura Brenzinsky	Department Chair - Natural Sciences
Social Sciences	Mary Goya	Department Chair

Hospitality James Lightner Coordinator

Nursing & Allied Health Elizabeth Ojala Division Chair/Dir. of Nursing

Business Education & Technology James Yoshida Division Chair

Applied Technical Education

Construction Technology	Clyde Kojiro	Department Chair
Transportation & Applied Technology	Clyde Kojiro	Department Chair

Community Partnerships

Community connections, partnerships and collaboration are central to the mission of the College. Hawai'i Community College is responsive to the needs of the community and works proactively with the community on workforce training and economic development. Advisory councils in each of our training areas advise faculty of training needs and new developments in the field. These councils are listed under "Curricula and Programs." In addition, the Chancellor of the College seeks advice from community and business leaders on ways the College can assist in economic development for the community. Two of the College's federally-funded programs also have community-based advisory committees that guide the development of those projects.

Chancellor's Community Advisory Committee

John DeFries, Director, Hokulia Foundation
Dwight Takamine, Representative, State of Hawaii
Russell Kokubun, Senator, State of Hawaii
Richard Ha, CEO/Owner, Hamakua Springs
Barry Taniguchi, President/CEO, KTA SuperStores
Allan Ikawa, President/CEO, Big Island Candies
David Ramos, David Ramos CPA & Associates
Phoebe Lambeth, Manager, Hawaii Pacific Oncology Center

Index

A

Ability to Benefit from postsecondary education.....	17
Academic Competitiveness Grant	37
Academic Dishonesty	32
Academic Dismissal	23
Academic Freedom	31
Academic Grievances.....	32
Academic Probation	23
Academic Progress, Satisfactory.....	23
Academic Progress, Satisfactory for Financial Aid	36
Academic Subject Certificate (A.S.C.).....	44
Academic Support Services	8
Academic Waivers and Substitutions	26
Academic Warning	23
Acceptance to Hawai'i Community College.....	12
Accounting (ACC), Degree Requirements.....	45
Accounting, Courses	71
Accreditation.....	7
Achievement Grant.....	38
ACT/SAT Scores	17
Activity Fee	20
Add/Drop Fee	20
Add a Course, To.....	19
Administration, HawCC	128
Administration of Justice (AJ), Degree Requirement.....	45
Administration of Justice, Advisory Council.....	67
Administration of Justice, Courses	73
Administrative Team, UH System	128
Admission of Students.....	12
Admission Procedures.....	12
Advanced Placement Examination Program (AP).....	25
Advising Tool (STAR).....	29
Advisory Councils, for the Programs	67
Affirmative Action.....	34
Agriculture (AG), Degree Requirements.....	46
Agriculture, Advisory Council.....	67
Agriculture, Courses.....	74
Alcohol and Drugs	32
Alpha Psi Epsilon Chapter of Phi Theta Kappa.....	11
Anthropology, Courses	77
Application for Graduation.....	27
Application Procedures for Housing	22
Apprenticeship Program.....	10
Architectural, Engineering & CAD Tech (AEC), Degree	47
Architectural, Engineering & CAD Tech, Advisory Co.....	67
Architectural, Engineering & CAD Tech, Courses	77
Area Requirements, Courses Fulfilling Multiple.....	25
Art, Courses.....	79
Asian, Courses	81
Assault, Sexual.....	33
Associate in Applied Science (A.A.S.) degree	42
Associate in Arts (A.A.) degree (LBRT).....	41, 59
Associate in Science (A.S.) degree	44
Associate in Technical Studies (A.T.S.) degree	44
Astronomy, Courses	81
Attendance, Class	23
Auditors	15

Auto Body Repair & Painting (ABRP), Degree Require	47
Auto Body Repair & Painting, Advisory Council	67
Auto Body Repair & Painting, Courses.....	81
Automotive Mechanics Tech (AMT), Degree Requiremen	48
Automotive Mechanics Tech, Advisory Council	67
Automotive Mechanics Tech, Courses	83

B

B+ Scholarship	37
Biochemistry, Courses.....	84
Biology, Courses.....	84
Blueprint Reading, Courses.....	85
Board of Regents, UH	128
Bookstore	21
Botany, Courses	85
Business (BUS), Courses.....	86
Business (BUSN), Courses	86
Business Machines, Courses	87
Business Technology (BTEC), Degree Requirements.....	48
Business Technology, Advisory Council.....	67

C

Calendar, Fall 2008 Semester	2
Calendar, Spring 2009 Semester	3
Career Services Center, The	28
Care Home Operator (CHO). <i>See</i> Nursing, Adult Res. Care Home Op.	
Carpentry (CARP), Degree Requirements	49
Carpentry, Advisory Council	67
Carpentry, Courses.....	87
Centennial Scholarship.....	38
Certificate of Achievement (C.A.)	44
Certificate of Competence (CoC)	44
Certificate of Completion (C.C.).....	44
Chancellor's Community Advisory Committee.....	129
Change of Grade	24
Change of Home Institution	19
Change of Major.....	26
Cheating	32
Chemistry, Courses	88
Child Care.....	21
Children's Center	52
Cisco Networking Academy (CNA).....	49
Classified Status, Change of	26
Classified Students.....	26
College Level Examination Program (CLEP)	25
Community Advisory Committee	129
Community Partnerships	129
COMPASS Placement Testing.....	17
Complaints about Discrimination	35
Complete Withdrawal	19
Computing, Electronics, and Networking Technology, Courses	88
Concurrent Registration.....	19
Conduct Code for Students	32
Continued Academic Probation	23
Continuing Education and Training, Office of.....	10
Cooperative Vocational Education (CVE).....	49
Cooperative Vocational Education, Course Numbering	71

Counseling and Support Services	28
Courses Fulfilling Multiple Area Requirements	25
Credit/No Credit (CR/NC) option	24
Credit By Examination	25
Credit by Institutional Examination (CBIE)	26
Credit Course Listings	71
Credit for Education Received in Military Service.....	26
Credit for Previous Non-English Language Study	25
Credits	18
Crime Statistics.....	35
Cross-listed Courses	25
Culinary Arts (CULN), Degree Requirements.....	50
Culinary Arts (Hilo), Advisory Council.....	68
Culinary Arts (WH), Advisory Council	68
Culinary Arts, Courses.....	88
Cultural Environment, Electives.....	43

D

Dance, Courses	90
Dean's List.....	27
Degree Policy, Multiple/Duplicate/Second Degree	27
Degrees & Certificates Offered.....	40
Dependents' Educational Act.....	15
Dependents of Veterans	15
Diesel Mechanics (DISL), Degree Requirements.....	51
Diesel Mechanics, Advisory Council.....	68
Diesel Mechanics, Courses.....	90
Digital Media Arts (DMA), Certificate Requirements.....	51
Digital Media Arts, Advisory Council.....	68
Directed Studies/Independent Studies	23, 71
Disabilities, Housing for Students with	22
Disabilities, Services for Students with.....	28
Discrimination Complaints	35
Dishonesty, Academic	32
Dismissal, Academic.....	23
Division/Department Chairs.....	128
Dorms (Residence Halls).....	21
Drop/Add Fee	20
Drop/Withdraw from a Course, To	19
Drugs and Alcohol	32
Duplicate Degree Policy	27

E

E-Commerce, Courses	92
Early Admission Program	16
Early Childhood Education (ECED), Degree Requirem	52
Early Childhood Education, Advisory Council.....	68
Economics, Courses.....	92
Education, Courses	92
Educational Opportunity Grant	37
Educational Rights and Privacy of Students.....	31
Educational Talent Search Program	8
Education Received in Military Service	26
Edwin H. Mookini Library.....	8
Electrical Installation & Maint Tech (EIMT), Degre	53
Electrical Installation & Maint Tech, Advisory Cou.....	68
Electrical Installation & Maint Tech, Courses.....	94
Electronic Communication Policy	35

Electronics Technology (ET), Degree Requirements.....	53
Electronics Technology, Advisory Council.....	68
Electronics Technology, Courses.....	94
Employment for Students	38
Endowed and Other Scholarships	39
English, Courses	97
English, Which Course Should I Take?	96
English as a Second Language, Courses	98
English for Speakers of Other Languages (ESOL), Courses	70
Entrepreneurship, Courses.....	98
Environmental Studies Academic Subject Certificate.....	54
Equal Opportunity/Affirmative Action	34
Examination, Credit by	25
Examination Program, Advanced Placement (AP).....	25
Examinations, Finals	25
Exceptions to Placement Test Requirements	17

F

Facilities.....	7
Faculty and Staff.....	121
Family Educational Rights and Privacy Act	31
Family Resources, Courses	99
Federal Government Grants.....	37
Federal Loans.....	38
Federal Work Study Program	38
Fees, Payment Plan	20
Fees, Room and Board	22
Fees, Special.....	20
Fees and Tuition	20
Final Examinations	25
Financial Aid, Academic Progress (Minimum Standards).....	37
Financial Aid, Appeals Process	37
Financial Aid, Application Procedures	36
Financial Aid, Awards	36
Financial Aid, Eligibility	36
Financial Aid, ESL courses.....	37
Financial Aid, Grade Point Average.....	36
Financial Aid, Probation.....	37
Financial Aid, Refunds/Repayments.....	38
Financial Aid, Reinstatement.....	37
Financial Aid, Satisfactory Academic Progress	36
Financial Aid, Selective Service Registration	36
Financial Aid, Suspension	37
Financial Aid, Time Frame of Eligibility	37
Financial Aid, Types of.....	37
Financial Aid, Withdrawing from classes	38
Financial Obligations to HawCC/UH.....	32
Fire Science, Courses	99
Food Science & Human Nutrition, Courses.....	99
Food Service (FSER). <i>See</i> Culinary Arts (CULN)	
Food Service, Courses	99
Forest TEAM. <i>See</i> Tropical Forest Ecosystem & Agroforestry Mgmt	
Full-time/Part-time Students	26

G

Geography, Courses.....	100
Geology and Geophysics, Courses.....	100
GI Bill (Veterans' Educational Assistance Act).....	15
Grade, Change of.....	24
Grade-Point Averages (GPA).....	24
Grade Points.....	24
Grades.....	24
Graduation, Applying for.....	27
Graduation and Persistence Rates.....	11
Graduation Requirements.....	27
Graduation with Honors.....	27
Grants, Federal Government.....	37
Grants, HawCC.....	38
Grievances, Academic.....	32

H

Hā'awi Kōkua Program.....	28
Hale Kea Advancement and Testing Center.....	9, 17
Harassment, Sexual (Policy on).....	34
Hawai'i Residency, Definition of.....	13
Hawai'i Student Incentive Grant (HSIG).....	37
Hawaiian, Courses.....	101
Hawaiian Life Styles (HLS), Degree Requirements.....	55
Hawaiian Life Styles, Advisory Council.....	68
Hawaiian Life Styles Academic Subject Certificate.....	55
Hawaiian Studies, Courses.....	101
Health, Courses.....	103
Health, Physical Education, & Recreation, Courses.....	103
Health Insurance for Students.....	16
Health Requirements for Admission.....	16
History, Courses.....	103
Home Institution, Change of.....	19
Honors at Graduation.....	27
Hospitality & Tourism (HOST), Degree Requirements.....	57
Hospitality & Tourism, Advisory Council.....	68
Hospitality and Tourism, Courses.....	104
Housing (Residence Halls).....	21
Housing, Application Procedures.....	22
How to Read the Course Listings.....	71
How to Read the Non-Credit Course Listings.....	70
Hula Track (HLS-HULA).....	56
Human Development, Courses.....	104
Humanities, Courses.....	105
Human Services (HSER), Certificate Requirements.....	58
Human Services, Advisory Council.....	69
Human Services, Courses.....	104

I

Illegal/Illicit Drugs and Alcohol.....	32
Imperatives of HawCC.....	6
Incomplete Grade (I).....	24
Independent Studies/Directed Studies.....	23, 71
Industrial Education, Building & Construction, Courses.....	105
Information and Computer Science, Courses.....	105
Information Technology (IT), Degree Requirements.....	58
Information Technology, Advisory Council.....	69
Information Technology, Courses.....	105

Institutional Examination, credit by.....	26
Instructional Units, HawCC.....	128
Insurance, Health.....	16
Intensive English Program (IEP).....	10
Intensive English Program, Courses.....	70
Interdisciplinary Studies, Courses.....	106
International Students.....	14, 29
I Ola Hāloa.....	10

J

Japanese, Courses.....	106
Job Placement Services.....	28
Journalism, Courses.....	107

K

Kahua Ola (Student Lounge).....	29
---------------------------------	----

L

Late Registration.....	19
Late Registration Fee.....	20
Law, Courses.....	107
Lawai'a Track (HLS-LAWA).....	56
Learning Center (TLC) in Hilo.....	9
Learning Center in West Hawai'i.....	9
Learning Communities.....	71
Learning Skills, Courses.....	107
Lethal Weapons.....	32
Leveraging Educational Assistance Program (LEAP).....	37
Liberal Arts (LBRT), Degree Requirements.....	59
Library.....	8
Linguistics, Courses.....	107
Loans, Federal.....	38
Lounge for Students. <i>See</i> Kahua Ola (Student Lounge)	

M

Machine, Welding & Industrial Mech (MWIM), Degree.....	61
Machine, Welding & Industrial Mech, Advisory Council.....	69
Machine, Welding & Industrial Mech, Courses. <i>See</i> Welding and Sheet Metal, Courses	
Machine Technology, Courses.....	107
Mahī'ai Track (HLS-MAHI).....	57
Major, Change of.....	26
Management, Courses.....	108
Marine Option Program (MOP).....	61
Marketing (MKT), Degree Requirements.....	62
Marketing, Advisory Council.....	69
Marketing, Courses.....	108
Mathematics, Courses.....	109
Mathematics, Liberal Arts Progression Chart.....	110
Mathematics, Vocational Progression Chart.....	109
Measles (Rubeola) Immunity Requirement.....	16
Microbiology, Courses.....	111
Military Service, Credit for Education Received.....	26
Mission Statement of HawCC.....	6
Mookini Library.....	8
Multiple Degree Policy.....	27
Mumps Immunity Requirement.....	16

N

"N" Grade, The	24
Native Hawaiian Tuition Waiver.....	38
Natural Environment, Electives	43
No Credit/Credit option	24
Non-Credit Course Listings	70
Non-Discrimination, EEO/AA.....	34
Non-English Language, Credit for Previous Study	25
Nondegree Students.....	15
Nonresident Students	14
No Show Policy	23
Nurses' Aide	65
Nurses' Aide, Courses	112
Nursing, Admission to the Program.....	63
Nursing, Adult Res. Care Home Op. (CHO), Requireme.....	65
Nursing, Adult Res. Care Home Op., Courses	112
Nursing, Advisory Council.....	69
Nursing, Associate in Science (NURS), Degree Requi	64
Nursing, Associate of Science, Courses.....	112
Nursing, Practical (PRCN), Degree Requirements.....	65
Nursing, Practical, Courses	112
Nursing Professional Fee	20

O

Oceanography, Courses.....	113
Office Administration & Technology, Courses.....	114
Office of Continuing Education and Training (OCET).....	10
On-campus Housing. <i>See</i> Housing	
Opportunity Grant	38
Oregon State University (Articulation with).....	7
Organizations for Students	10
Orientation and Advising (S.O.A.R.).....	18

P

Parent Loan for Undergraduate Students (PLUS).....	38
Parking on Campus	21
Part-term classes, refund for	20
Part-time/Full-time Students	26
Payment Plan Fee	20
Payment Plan for Tuition	20
Pell Grant, Federal	37
Persistence and Graduation Rates.....	11
Pharmacology, Courses	114
Philosophy, Courses.....	114
Phi Theta Kappa, Alpha Psi Epsilon Chapter	11
Physics, Courses.....	115
Placement Testing	17
Plagiarism.....	32
Political Science, Courses	115
President and Administrative Team, UH System	128
Previous Study of a Non-English Language, credit for.....	25
Privacy of Students.....	31
Privately Sponsored Scholarships.....	39
Probation, Academic.....	23
Program Advisory Councils	67
Program Descriptions	45
Psychology, Courses	115
Publications Fee	20

R

Readmission.....	23
Refund, Financial Aid.....	38
Refund, Tuition	20
Registration, Concurrent.....	19
Registration, Late	19
Registration, Regular	19
Registration, Withdrawals, and Other Changes	19
Religious Studies, Courses	115
Repayments, Financial Aid	38
Repeating Courses.....	25
Residence Halls.....	21
Residency Regulations for Tuition Purposes.....	13
Returnees	15
Rights and Privacy of Students	31
Room and Board Fees	22
Rubella and Rubeola Immunity Requirement.....	16
Running Start Program.....	16

S

Safe Zone Program	35
SAT/ACT Scores	17
Satisfactory Academic Progress.....	23
Scholarships, Endowed and Other.....	39
Science, Courses	116
Second Degree Policy	27
Selective Service Registration.....	36
Semester-length classes, refund for.....	20
Sexual Assault.....	33
Sexual Harassment, Policy on.....	34
Smoking.....	33
Social Environment, Electives	43
Social Science, Courses.....	116
Sociology, Courses.....	116
Special Fees and Charges	20
Speech and Communication, Courses	117
Staff and Faculty.....	121
Stafford Loan	38
STAR Advising Tool	29
Student Activity Fee.....	20
Student Conduct Code	32
Student Employment, on-campus	38
Student Government Fee	20
Student Health Insurance	16
Student Housing Office.....	21
Student Life Center.....	29
Student Lounge (Kahua Ola).....	29
Student Organizations	10
Student Orientation, Advising and Registration (SO.....	18
Students with Disabilities, Housing.....	22
Students with Disabilities, Services for.....	28
Subsidized Loans	38
Substance Abuse, Courses	117
Substance Abuse Counseling (SUBS), Certificate Req.....	66
Substance Abuse Counseling, Advisory Council	69
Substitutions and Waivers, Academic.....	26
Summer Session	13
Supplemental Educational Opportunity Grant (SEOG)	37
Support Services, Academic.....	8
Suspension from HawCC. <i>See</i> Academic Dismissal	
Suspension of Financial Aid	37

T

Talent Search, Educational Program	8
Testing, for Placement	17
Testing Center (Hale Kea)	9, 17
Test of English as a Foreign Language (TOEFL)	10, 14
The Learning Center (TLC)	9
Time Frame of Financial Aid Eligibility	37
Time Limits on Credits Earned	26
Transcripts	27
Transferring from HawCC to another college	30
Transfer Students	15
Tropical Forest Ecosystem & Agroforestry Mgmt (TEAM), Degree Requirements	66
Tropical Forest Ecosystem & Agroforestry Mgmt, Advisory Council	69
Tuberculosis (TB) Clearance	16
Tuition and Fees	20
Tuition Payment Plan	20
Tuition Refund Policy	20
Tuition Waivers	38

U

Unclassified Nondegree Students	15
Unclassified Students	26
University, Courses	118
University of Hawai'i Board of Regents	128
University of Hawai'i Center at West Hawai'i	7
University Of Hawai'i President and Administrative	128
Unsubsidized Loans	38

V

Veterans and Dependents	15
Vision Statement of HawCC	6

W

Waivers, Tuition	38
Waivers and Substitutions, Academic	26
Warning, Academic	23
Weapons	32
Welding and Sheet Metal, Courses	118
West Hawai'i, University of Hawai'i Center at	7
West Hawai'i Learning Center	9
West Hawai'i Library	9
Withdrawal, Complete	19
Withdraw from/Drop a Course, To	19
Women's Studies, Courses	119
Work Study Program	38
Writing Intensive Courses	42, 61

Z

Zoology, Courses	119
------------------------	-----

