

Engineering Related Disciplines at UH System											
Program	Description/URL	UHM	UHH	UHWO	HawCC	HonCC	KapCC	KauCC	LeeCC	UHMC	WinCC
Air - Aeronautics Maintenance Technology	Aviation maintenance technician training					AS, CA					
Air - Commercial Aviation	Careers as a professional pilot, including charter and tour services, cargo and transport services, and flight instruction. This training program enables students to earn private, commercial, instrument, multi-engine, flight instructor, and instrument flight instructor ratings.					AS					
Architectural, Engineering and CAD	Architectural or engineering drawing technicians; CAD operator				AAS	CA, AS					
Auto body repair and painting	Auto body repair and painting training				CA, CC, AAS	CA, AAS		CA, AAS		CA, CC, AAS	
Automotive Tech	Automotive technician training				CA, AAS	CC, AAS		CA, CC, CO, AAS	CA, CC, AAS	CA, AAS	
Bio-Resources and Technology (Bio-Resource Development and Management)	Prepare students for careers in environmental science/studies										ASC
Biotechnician	For employment in Biotechnology industry and research. Students will learn basic laboratory skills, equipment operation and maintenance, quality control, safety and good manufacturing practices.						CA				
Building Maintenance (Sustainable Construction Maintenance)	Prepare students in general building maintenance of large or small structures. Acquaints students with various building trades should one desire to explore different trades prior to selecting a specialization.									CA, CC, AAS	
Computing Electronics and Networking Technology (CENT)	Obtain a broad base of electronic theory and hands-on experience to design and repair computer systems.			BAS		APC, AS					
Digital Media/New Media Arts	Cinematic production (film/video), animation, gaming, interface design (web)	BA			CC		CC, AS	CC	CC, AS		
Digital-TV Production	Knowledge and skills necessary to enter the TV production profession								CA, CC, AS		
Education	Elementary/Secondary in math/science	BEd (Elem & Second)	Post Bacc	BEd (Elem)							

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Electronic and Computer Engineering Technology	Entry-level employment in the high-technology industry									CA, CC, AS	
Electronics Technology	Develop competencies necessary for entry, retention, and advancement in occupations requiring knowledge of electronics, computer technology, networking, information technology, and telecommunications. Graduates may proceed forward into Electronics or Computer Engineering Technology baccalaureate programs or enter the workforce as entry-level technicians.				CC, AAS			CA, CO, AS			
Facilities Engineering Technology or Facilities Management	Prepares students with basic entry-level skills necessary to enter the building maintenance occupation for employment with major hotels, condominiums, and other large facilities.							CC			
Industrial Education	Coordinated undergraduate program of preparation for Industrial Arts teachers established between the UH Mānoa's College of Education and HCC. Grads may transfer to UHM College of Ed to complete general education, professional education and teaching field requirements for the bacheor's degree.					AAS					
IT-ICS	Learn to use computer systems, and the scientific principles and technology required to develop new computer systems and applications. Curriculum covers all major areas of computer science.	BA, BS, MS, PhD	BS				CA, CC, AS		CC, CO, AS		
Marine Options	http://info.kauai.hawaii.edu/classes/mathsci/bushnell/MOP/MOPINFORMATIONSHHEET.htm http://www.hawaii.edu/mop/site/home.html	Ucert	Ucert					CC		CO	
Mathematics	Real analysis in one and several variables. Linear algebra and the theory of vector spaces. Several mathematical topic and in depth of at least one advanced topic of mathematics of an approved two-course sequence. http://www.math.hawaii.edu/home/program_goals.shtml	BA, BS, MA, PhD	BA								

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Natural Resources and Environmental Management	Understand biophysical aspects of natural resources within tropical island context. Use the latest information, tools, and models to effectively manage resources. Discover real economic value of resources and evaluate cost and benefit of different management options. Work with community and stakeholders to implement practical solutions to their resource management challenges and concerns. http://www.ctahr.hawaii.edu/nrem/students/undergrad-e_komo_mai.html http://windward.hawaii.edu/Academics/Program_Sheets/2010-2011/2010-11_ASC_Bio-Resource_Dev_Mgt.pdf	BS, MS, PhD									ASC
Natural Science with emphasis on Physical Science	Transfer to baccalaureate degree in physical sciences areas						AS			AS	
Plant bioscience technology	Training in horticulture, propagation, micropropagation, agriculture, pest management and crop improvement;							ASC	ASC		ASC
Trade-Applied Trades	Apprenticeship programs http://www2.honolulu.hawaii.edu/sites/www2.honolulu.hawaii.edu/files/catalog-2010-2011.pdf (pg. 97-					AAS					
Trade-Carpentry Technology/Sustainable Construction technology	Participate in the "foundation-to-finish" experiences necessary to build a basic residential house while completing the required carpentry coursework				CA, AAS	CA, AAS		CA, AAS			
Trade-Diesel Mechanics Technology	Repair and maintenance of heavy duty truck equipment				CA, AAS	CA, CC, AAS					
Trade-Electrical Installation and Maintenance Technology	Entry level knowledge and manipulative skills for employment in the electrical industry				CA, AAS	CA, AAS					
Trade-Process Technology	Planning, analyzing, and controlling the production of products from raw materials through distribution. They control, monitor and troubleshoot equipment that process raw material into products such as gasoline, electricity and plastics. They analyze, evaluate and communicate about data								CPD (non-credit)		
Trade-Refrigeration and Air Conditioning Technology	Design, operation, service, repair, and installation of air conditioners and refrigerators (commercial and domestic).					CA, AAS					

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Trade-Sheet metal and plastics	Develop skills in fabricating air conditioning ducts; architectural metal work; welding and fabricating plastics; and, pattern development.					CA, AAS					
Trade-Small vessal fabrication and repair	Boat maintenance, repair, and construction					AAS					
Trade-Welding Technology	Theory and practical skills in welding and cutting				CA, CC, AAS	CA, CC, AAS					

Degrees and Programs may be searched by keyword (<http://www.hawaii.edu/academics/degrees/index.php>) or by discipline or by complete list.

UHM (<http://www.catalog.hawaii.edu/degrees/degrees-cert.htm>)

HawCC (<http://hawaii.hawaii.edu/learningresources/pdf/catalog10-11.pdf>)

HonCC (<http://www2.honolulu.hawaii.edu/sites/www2.honolulu.hawaii.edu/files/catalog-2>)

KapCC (<http://kapiolani.hawaii.edu/page/catalog>)

KauCC (http://info.kauaicc.hawaii.edu/catalog_11/2010-2011-full.pdf)

LeeCC (http://www.leeward.hawaii.edu/files/Cat2010_web.pdf)

UHMC (<http://maui.hawaii.edu/programs/programs.php>)

UHH (http://www.uhh.hawaii.edu/catalog/documents/UHH_Catalog_10-11.pdf)

APC - Advanced Professional Certificate

ASC - Academic Subject Certificate

CA - Certificate of Achievement (30-45 credits)

CC - Certificate of Completion (10-23 credits)

CO - Certificate of Competence (6-9 credits)

CPD - Certificate of Professional Development

AA - Associate of Art

AS - Associate of Science

AAS - Associate of Applied Science

BAS - Bachelor of Applied Science

PhD - Doctor of Philosophy

Ucert - Undergraduate Certificate

2/9/2011