

2008 Annual Report of Program Data Coversheet

College: Hawaii Community College

Program: Information Technology

Check All Credentials Offered	AA	AS	ATS	AAS	CA	CC	COM	ASC	
		X			X	X			

College Mission Statement (or provide link)

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. Aligned with the UH Community Colleges system's mission, we are committed to serving all segments of our Hawai`i island community.

Program Mission Statement (or provide link)

The Information Technology (IT) Program’s Mission is to
 Assist students to learn and develop skills, competencies, and values required by employers and necessary to become contributing members of a technological society.

<i>OVERALL PROGRAM HEALTH (Check one)</i>		
<i>Healthy</i>	<i>Cautionary</i>	<i>Unhealthy</i>
	X	

Part II. Analysis of the Program (strengths and weaknesses in terms of demand, efficiency, and effectiveness based on an analysis of the data)

The program review data indicate a cautionary overall program health with weaknesses in demand and efficiency. Student majors have remained steady over the past two years and are holding at 27 declared IT majors for fall 2008. Given the recognized demand for IT jobs the number of majors is anticipated to grow. According to CareerBuilder.com “based on salary, industry employment and projected job growth” two of the ten “best jobs for workers with two-year degrees” are “#1 Computer specialists and #10 Computer support specialists.” Preparation for both of these positions is provided by the IT program. (The complete article is included at the end of the program review.)

The career for IT and Computer Support Specialists is also recognized as one of the top five careers with high-tech positions perfect for seasoned employees ready for a change.

Again this is exactly the mission of the IT program. (The complete article is included at the end of the program review.)

The IT program courses are offered on a Fall/Spring rotation to maximize class enrollment and distribute course assignments between the two IT faculty members. There are no courses that have multiple sections and each faculty member has three or four course preparations each semester. Every effort is being made to maximize the efficiency of offering the program courses.

The most significant gains in program demand and efficiency will come with an increase in the number of prepared, motivated, conscientious, and persistent majors. The IT program faculty continues to look at the content and packaging of program courses in an effort to attract and retain more students. As indicated the program effectiveness is rated as healthy. Once we are able to get students into the program the majority of them progress, graduate, and find gainful employment.

Significant Program Actions (new certificates, stop-out; gain/loss of positions, results of prior year's action plan)

The following significant program actions from last year's action plan have been completed.

Action Plan Tasks	Year	Responsible Party
Investigate the establishment of possible certificates of completion in Information Technology.	2007	Annie Brown / Kent Killam
A new certificate of completion in Computer Support was submitted and approved effective fall 2008. There are no other certificates under consideration at this time while we await data on the effectiveness of this certificate.		
Review the current programming strand of the AS degree program to include course content, complexity, and ordering of ITS 103, ITS 118, and ITS 151.	2007	Annie Brown / Kent Killam
The programming strand is extremely difficult for most of our majors and causes problems for many students. In reviewing the course offerings adjustments were made to the content and emphasis. Changes have been made to the adopted texts to ensure appropriateness and applicability of the topics and their delivery.		

Part III. Action plan

The following action plan tasks are continued from the previous IT program review.

Action Plan Tasks	Year	Responsible Party
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Action Plan Tasks	Year	Responsible Party
Explore possibility of offering more college information technology service courses including the requirement of an information retrieval/computing literacy course for the AA liberal art students.	2008	Annie Brown / Kent Killam
Initial efforts to have ICS 101 satisfy a Social Science General Education requirement for the AA liberal arts degree have begun with the review of CCCM #6004. Efforts are underway to identify the course content which aligns with and supports the Social Science requirements of the degree. Ongoing.		
Participate in a review of the similarities and differences between technical programs on campus to strengthen complementary requirements and reduce duplication.	2008	Annie Brown / Kent Killam / Other individuals as assigned by the VCAA.
Ongoing – no action to date.		
Investigate and participate in a campus supported pilot program for electronic portfolios.	2008	Annie Brown / Kent Killam / Other individuals as assigned by the VCAA.
Ongoing – no action to date.		
Continue to Equip and outfit the IT lab in Room 140.	2008	Annie Brown / Kent Killam
Due to funding constraints, we were not able to acquire the computers planned for the rest of the hands-on lab. Our ongoing plan is to request the funding required to establish a formal hands-on lab in Room 140 and to establish a more robust Linux operating system/networking lab for HawCC students. A new topics course, ITS 121 Introduction to Unix/Linux is scheduled for spring 2009. Our continuing plan is to request the funding required to establish a formal hands-on lab in Room 140 and to establish a more robust Linux operating system/networking lab for HawCC students. Ongoing		

Part IV. Resource Implications (physical, human, financial)

Recurring Instructional Costs	
MSDN Academic Alliance Program	\$415 per year

The Business Education and Technology Division participates in the Microsoft Development Network Academic Alliance Program. This program is designed specifically for academic labs, faculty, and students in curriculum areas of Computer Science, Engineering, and Information Systems to make it easier and less expensive to get Microsoft developer tools, platforms, and servers for instructional and research purposes. Annual membership currently costs \$415 and is a significantly reduced cost for Microsoft products used in instruction.

Budget Requests	
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Equipment for Room 140	\$5,000 – 7,000
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As requirements for the IT lab in Room 140 are refined equipment purchases will be required to complete the systems needed for instruction and extensive hands-on activities. It is estimated that this will require approximately \$5000 to \$7000.