Career & Technical Education Coordinating Committee (CTECC)
PROGRAM ADVISORY COMMITTEE SELF EVALUATION
2010-2011

Program Advisory Committee Name: **COMPUTER INFORMATION TECHNOLOGY**
Advisory Committee Members
Community Advisory Committee Chair: Dennis Chong with Symantec Corp.
Lane Advisory Committee Coordinator: Linda Loft
Program Division Dean: Larry Scott
Committee Review Date and Time: May 18, 2011 at 7:15 am

Instructions: Please fill in your response to each question in the yellow section (short bullet points are best). The yellow sections will expand to accommodate the data you type in. When the form is completed please forward by e-mail, at least one week prior to the committee interview, to Phoebe Anderson in Cooperative Education at andersonp@lanecc.edu. Thank you. We look forward to meeting with you and your committee.

Rating Scale: (***To be completed by the CTECC***)
E=Excellent ME=Meets Expectations NI=Needs Improvement
NA=Not Applicable +*=Performance deemed exemplary by Committee

ME **1. Committee Accomplishments**

1 A. *1) Describe your advisory committee and what types of businesses or organizations are represented in your committee. 2) How many are in your committee? 3) How often do you meet?*

Twelve members from large and small private sector companies, government & public institutions, non-profit organizations, faculty, and student representation.. Companies/Organizations currently represented include: Symantec, Innovative Designs Online, Squishy Pixels, Next Step Recycling, TEK Systems, Lane County, Oregon Employees Federal Credit Union, U of O, Concentric Sky, BlackHawk Technology Consulting, City of Eugene, Northwest Community Credit Union, Lost Creek Consulting, Oregon Judicial Department and Eugene Water and Electric Board.

We meet quarterly during the school year.

1 B. *What are 3-5 outcomes that have been accomplished by your committee?*

1) Changes to programs; currently in the midst of an extensive review of all CIT degree programs.
2) Review of current employment conditions.
3) Providing guest speakers for CIT classes about careers and industry opportunities.
4) Provide Internship opportunities for LCC CIT students
5) Making employers aware of LCC graduates as a hiring resource.

1 C. *How did your advisory committee help with achieving those goals?*

1) Vetting curriculum design changes to programs, providing external review of programs, and providing input on modes of delivery.
2) Providing input on current employment conditions.
3) Helping inform on local changes with technology.

4) Working closely with committee members and faculty to find opportunities to connect employees and students through class connections, internships and involvement in user groups.

1 D. *Describe your committee efforts in developing and generating community support.*

- Creating contacts with graduating students
- Meeting directly with students for student/professional activites
- Speaking in classes about opportunities in the industry

1 E. *What do you think are the committee members' strengths and weaknesses?*

- Great diversity of industry representation in size, function, and goals.
View points are candid and honest.
Committee members occasionally miss quarterly meetings, however team members contribute through e-mail and can catch up via networking and meeting minutes
Grounding in real-world, work-based, technical trends (especially in our fast moving industry)

E

2. Committee Involvement in Planning and Design

2 A. *What is the committee's involvement for keeping your program "state of the industry?"*

Giving direct feedback, identifying professionals with skills as educational resources such as part-time instructors and locations for instruction, and providing opportunities for faculty & students to visit local IT shops.

There is curriculum review of new and changing programs and additionally to the existing programs to ensure they are relevant to industry trends.

2 B. *What staff development does the committee suggest your staff needs to meet future program skill needs?*

The committee recommends areas of technical knowledge and skill to develop in the programs and thus indirectly influences staff development through directing of curriculum changes .

2 C. *What is your committee's involvement in planning and design of the program?*

Giving direct feedback on local needs and changes in technology. (see above)
Reviewing course descriptions.
Reviewing course pre-requisites and program changes for continuity of skill development and overlap.

ME

3. Gender, Disability Adaptation, and Diversity

3 A. *What is the gender balance and diversity in your program student population?* **(Data for your consideration is available through IRAP. Contact Craig Taylor at taylorc@lanecc.edu .)**

Please refer to Tables I & 2 at end of report for supporting data on gender and ethnic participation.

Computer Information Technology traditionally has a participation rate that strongly favors males. Typically, female participation in CIT programs averages 15 – 20%.

Ethnicity is self reported with many students choosing not to report. Consequently there can be up to 30% of students not reporting which makes our statistics pertaining to ethnicity suspect. However, we can say that all of the ethnic groups identified typically have representation in the CIT student body. LCC is increasing international student

recruitment as a key strategic direction and this should reflect in the ethnic diversity of our students immediately. To assist with this we will reserve spaces in a few strategic classes for international students who typically register late and consequently have trouble getting into our classes which fill quickly.

3 B. *How has your committee encouraged gender balance and diversity in your student population? What future plans do you have?*

Gender and ethnic representation in CIT programs has been a regular topic of discussion, especially with regard to gender balance. This will be an important topic for discussion over the coming year.

3 C. *How does your committee assist students with special needs to successfully reach program outcomes?*

Information Technology provides an employment area where technologies are available to people with disabilities to help them be employable. One area of assistance that the committee has helped with is to provide internship opportunities for students with disabilities. Internships are an integral part of, and are required by, all our career technical programs.

In addition, one of our members, NextStep Recylcing offers a number of programs that help disadvantaged students get access to equipment, training and experience that enables and empowers them with technology.

E **4. Program Demand / Enrollment**

4 A. *1) What does your committee think of regional projections and how are you dealing with this? 2) What does your committee say about these and local needs? 3) What is the committee doing to get the word out to the broader community?*

1. The demands for graduates of the CIT programs remains high and there are indications of high demand for graduates of the new Health Informatics program.
2. It is our understanding that enrolment has risen dramatically while there have been a number of retirements of full time instructors. Our concern is for the quality of the education to remain high by having the school address long term staffing needs. Part time instructors can only bridge the gap for so long.
3. The economic crisis of the past 2 years has fed enrollment and the overriding concern is the ability of the department to serve existing student needs. Classes are running above capacity and the challenge is to run the classes necessary to serve students. The committee has provided support in this area by helping the CIT program connect with potential part time instructors in industry.

4 B. *Describe the enrollment trends and capacity in your program?*

Enrolment has doubled in the last 2 years. Program capacity has been reached and we are no longer able to satisfy the demand for our courses and programs.

ME **5. Placement / Employment**

5 A. *How would your committee rate the exit math, writing, and interpersonal skills of students who complete your program?*

There is no data to answer this. It is noted that the Math requirements of programs differ and some programs such as Simulation and Game Development, Programming, and Health Informatics require a high Math level for graduation.

5 B. *How does your committee know that the students are graduating with the appropriate skills and level needed by the employers?*

Post graduation employment data is not available. The committee is currently reviewing all the CIT programs in detail to help answer this question from their industry perspective.

Anecdotal feedback from graduate employers are complimentary of our graduates skills and preparation. This feedback is support by more employers contacting our department recruiting for entry level IT positions.

5 C. *How does your committee follow-up with your graduates or transfers?*

There is no structured follow up. There are no resources available to do graduate follow up.

5 D. *1) What are the outcomes (placement rate, transfer, etc.) of those students who participate in your program? 2) How is your advisory committee involved?*

1. Depending upon the metric used, program outcomes are good. A large number of students transfer to 4 year institutions, many receive certificates on their way to their 2 year degree or in addition to the 2 year degree, and outcomes at the course level are also very high.
2. Our committee is extremely interested in our student's success. They currently are reviewing our programs for employability skills

5 E *1) What is the outlook for jobs in this career field? 2) What is the typical wage range and demand for jobs?* **(Please refer to data for your program industry at *http://www.qualityinfo.org*)**

Programmers: -$69 K Projected job growth 38% over 10 years
Networking: $68 K Projected job growth 36% over 10 years
Computer Specialists: $68K Projected job growth 45% over 10 years
Health Information technology: $69K with high job growth

ME **6. Secondary / Postsecondary Connections**

6 A. *1) How does your program connect with high schools? 2) Is your committee involved?*

- College Now
- RTECH
- Career Fairs

6 B. *How do you align, articulate, and develop a program of study that links between high school, community college, and 4 year institutions?*

OCCC provides a forum for collaboration and discussion between Computer Information Technology courses and programs at high school, community college and 4 year institutions.

7. Questions for the CTECC Interview Committee

7 A. *1) What questions do you have for us? 2) How can we support you?*

Table I
Gender Distribution by Major

	Major	General Program	F	M	Unk	Total
2008-09	Computer & Information Science	Transfer	33	152	1	186
	Computer Application Spec	CareerTech	3	3		6
	Computer Game Programming C++	CareerTech		9		9
	Computer Network Operations	CareerTech	32	238	2	272
	Computer Network Security	CareerTech	1	10		11
	Computer Programming	CareerTech	16	52	1	69
	Computer Specialist	CareerTech	3	11	1	15
	Computer User Support	CareerTech	4	11		15
	Simulation & Game Development	CareerTech	5	67		72
	Web Programming	CareerTech	2	2		4
			99	555	5	659
			15%	84%	1%	
2009-10	Computer & Information Science	Transfer	46	207	2	255
	Computer Application Spec	CareerTech	2	4		6
	Computer Game Programming C++	CareerTech		8		8
	Computer Network Operations	CareerTech	40	297	3	340
	Computer Network Security	CareerTech	1	4		5
	Computer Programming	CareerTech	22	46	1	69
	Computer Specialist	CareerTech	5	32	1	38
	Computer User Support	CareerTech	1	3		4
			117	601	7	725
			16%	83%	1%	

Table 2

Ethnic Distribution By Major

MajrDesc	General Program	White	Hispanic	Asian	AlaskaNat/AmerInd	Black	Unk	Total
Computer & Information Science	Transfer	164	7	9	9	3	63	255
Computer Application Spec	CareerTech	4					2	6
Computer Game Programming C++	CareerTech	3	1				4	8
Computer Network Operations	CareerTech	222	14	12	6	3	83	340
Computer Network Security	CareerTech	2			1		2	5
Computer Programming	CareerTech	42	1	2	1	1	22	69
Computer Specialist	CareerTech	15	3		2	1	17	38
Computer User Support	CareerTech	3		1				4
Simulation & Game Development	CareerTech	69	4	2	6	2	30	113
Web Programming	CareerTech	2					4	6
		526	30	26	25	10	227	844
		62%	4%	3%	3%	1%	27%	

Computer & Information Science	Transfer	145	5	6	2	1	27	186
Computer Application Spec	CareerTech	5					1	6
Computer Game Programming C++	CareerTech	5			2		2	9
Computer Network Operations	CareerTech	193	11	8	12	2	46	272
Computer Network Security	CareerTech	8	2	1				11
Computer Programming	CareerTech	51	4	1	2	1	10	69
Computer Specialist	CareerTech	8	1		1		5	15
Computer User Support	CareerTech	12					3	15
Simulation & Game Development	CareerTech	58	1	2	1	2	8	72
Web Programming	CareerTech	3			1			4
		488	24	18	21	6	102	659
		74%	4%	3%	3%	1%	15%	