Montana University System

PROGRAM REVIEW

Institution: Helena College University of Montana

Program Years: 2008-2012

List of the programs reviewed: Computer Technology

- Certificate of Applied Science: Computer Assistant
- Associate of Applied Science: Webmaster
- Associate of Applied Science: Programming
- Associate of Applied Science: Network Administration
- Associate of Science: (advising options available in Webmaster, Programming, and Network Administration)

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

The Program Review Committee of Helena College University of Montana recommends the continuation of the Computer Technology Program areas based on data findings and faculty recommendations.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

Information gathered during the internal review process indicates the CAS/AAS and AS in Computer Technology have maintained steady-to-growing enrollment and align with community needs, preparing students for high skill, high demand, and high wage employment in Montana. The retention rate of students in the CAS/AAS Computer Technology (67%) is above the College average percentage. The five-year average student passage rate is 76% of our courses each semester. Our students matriculate and obtain positions in the computing industry, or transfer to additional training or to 4-year degree programs.

- Issues of concern: quality of part time (adjunct) instruction; seek further improvements in retention and completion; strengthen relationships between instructors and students

Program Goals FY2014

- Improve quality of part time instruction
  a. Develop and implement training and mentoring strategies for adjuncts
  b. Develop and implement direct assessment mechanism to assess and improve quality

- Desired improvements in retention and completion
  a. Integration of industry certifications as key "milestones" to encourage and retain students
  b. Formation and use of a roundtable incorporating both working and full time students and recent graduates
  c. Improve coordination with local high schools to recruit well-qualified students into the field

- Strengthen relationships between students and instructors (with the goal of improving instructional quality AND retention)
  a. Change teaching rotation to assign each full time instructor to at least one introductory computer core course each year

CAS/AAS/AS Computer Technology Program Review Data Summary						
Alignment with Community Needs (AAS/CAS Only)						
Data Definition:	Current MT	Projected MT	Current U.S.	Projected U.S.		
A. Provide the total number of projected job openings from related occupations for Montana and the U.S.	3,080 (2008)	3,460 (2018)	1,319,700 (2010)	1,933,600 (2020)		
B. Provide percent change in job openings for related occupations for Montana and the U.S.		+12%		+46%		
C. Provide the median hourly wage or annual salary for related occupations	$24.89 hourly		$32.36 hourly			
Data Definition:	Year 1 07/08	Year 2 08/09	Year 3 09/10	Year 4 10/11	Year 5 11/12	5 Year Ave
D. Provide 5 years of in-field job placement rates for all program graduates	*75% **N/A	*50% **92%	*0% **64%	*N/A **71%	*N/A **N/A	***44% ****74%**
E. For applied programs with program admission provide five years of student application totals	N/A	N/A	N/A	N/A	N/A	N/A
F. For applied programs with program admission provide five years of students accepted totals	N/A	N/A	N/A	N/A	N/A	N/A
Student Participation and Success						
Data Definition:	Year 1 07/08	Year 2 08/09	Year 3 09/10	Year 4 10/11	Year 5 11/12	5 Year Ave
A. Provide 5 years of transfer rates to 4-year colleges (AA/AS)						
B. Provide program capacity (headcount)	N/A	N/A	N/A	N/A	N/A	**N/A**
C. Provide 5 years of enrollment (unduplicated headcount)	84	85	111	135	137	**110**
D. Provide 5 years of enrollment (FTE)	50.5	45.5	57.6	61.1	61	**55.1**

E. Annual percentage of program capacity	59%/52%	56%/52%	67%/57%	72%/64%	62%/61%	**63%/57%**
F. Provide 5 years of retention rates for full-time students	69%	72%	74%	61%	61%	**67%**
G. Provide 5 years of retention rates for part-time students	25%	43%	36%	67%	67%	**48%**
H. Provide 5 years of successful program course completion rates.	82%/83%	74%/71%	70%/74%	75%/78%	78%/81%	**76%/77%**
I. Provide 5 years of graduation rates for full-time students *rate of students graduating within 150% of completion time*	37% (Fall 05)	39% (Fall 06)	31% (Fall 07)	44% (Fall 08)	29% (Fall 09)	**36%**
J. Provide 5 years of graduation rates for part-time students *rate of students graduating within 150% of completion time*	20% (Fall 05)	14% (Fall 06)	0% (Fall 07)	14% (Fall 08)	19% (Fall 09)	**13%**
K. Provide 5 years of annual degree & certificate completions	18	13	12	19	16	**16**
L. Provide 5 years of degree production rates – *proportion of degrees/certificates granted per 100 FTE enrollment*	36	28	21	31	26	**28**
M. Provide 5 years of pass rates on occupation/industry specific licensing or certification exams (as applicable)	--	--	--	--	--	**--**