ALAMO COLLEGES

PALO ALTO COLLEGE

Program Assessment Report

Program/Award: CIS Computer Programmer - NEW beginning Fall 2012
Academic Year Assessed: 2012-2013
Program Lead Faculty: Neven Jurkovic
Department Chair: Brian Sanders

Program Learning Outcome #1	Students critically analyze situations of computer and network use, identifying security issues and consequences.
Courses in the degree plan that address this outcome	ITSE1315, ITSE1302, ITSE1329
Assessment Method	Concept- and hands-on skill performance on all lab assignments will be used to appropriately assess the total set of knowledge, skills, and abilities of the student for ITSE1302.
Targets for Achievement	70% of assessed students will achieve a passing score on all lab assignments for the ITSE 1302 - Computer Programming course.
Results	2011-2012: none (new). 2012-2013: 84% of students achieved a passing score on all lab assignments.
Target Met or Not Met	Met
New action plan for improvement of student learning	Add qualified programming tutors in the tutoring lab.
Evaluation of previous cycle's action plans	• Add a "key assignment" which can be used to assess students' critical thinking and communication knowledge and skills. - completed
Program Learning Outcome #2	Students use operating system features and relevant tools to provide for security; and use encryption techniques and develop backup procedures to protect data.
Courses in the degree plan that address this outcome	ITSE1336, 1307
Assessment Method	Concept and hands-on skill performance on all lab assignments will be used to appropriately assess the total set of knowledge, skills, and abilities of the students for ITSE1307.
Targets for Achievement	70% of assessed students will achieve a passing score on the final project for the ITSE 1307 - Introduction to C++ Programming course.

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Results	2011-2012: none (new). 2012-2013: 78% of students achieved a passing score on all lab assignments.
Target Met or Not Met	• Met
New action plan for improvement of student learning	• Add qualified programming tutors in the tutoring lab.
Evaluation of previous cycle's action plans	• Add a "key assignment" which can be used to assess students' critical thinking and communication knowledge and skills. -completed
Program Learning Outcome #3	Complete an external learning experience to enhance the student's application of skills in the ultimate hands-on training.
Courses in the degree plan that address this outcome	ITSC 2364
Assessment Method	Concept- and hands-on skill performance on final exam will be used to appropriately assess the total set of knowledge, skills, and abilities of the students. Also considered is the evaluation of the goals set by agreement for the co-operative learning class used as the capstone for the Associate of Applied Science Award.
Targets for Achievement	70% of students will achieve a passing score of "C" or better on the final exam for ITSY 2386 – Internship – Computer and Information Systems Security (or ITSC 2364 – Practicum – Computer and Information Sciences, General), and 70% of students will achieve a satisfactory evaluation by employer at the end of the grading period.
Results	2009-2010: 86% of students achieved a passing score on employee's evaluation. 71% of students achieved a passing score on the final exam. 2010-2011: 100% of students achieved a passing score on employee's evaluation. 79% of students achieved a passing score on the final exam. 2011-2012: 73% of students achieved a passing score on employee's evaluation. 73% of students achieved a passing score on the final exam. 2012-2013: 95% of students achieved a passing score on employee's evaluation. 95% of students achieved a passing score on the final exam.
Target Met or Not Met	Met

New action plan for improvement of student learning	New resources and Internship locations will be evaluated for their relevancy to our degree programs. Regular updates to the key assignment (semester project) will be required to ensure the student stays engaged.
Evaluation of previous cycle's action plans	Weekly follow-up to students through email and course contact has been done. - completed A "key assignment" has been added to assess students' critical thinking and communication knowledge and skills. - completed Outcome #3 was changed to "Complete an external learning experience to enhance the student's application of skills in the ultimate hands-on training." - completed Target was changed to "70% of students will achieve a passing score of "C" or better on the final exam for ITSY 2386 – Internship – Computer and Information Systems Security (or ITSC 2364 – Practicum – Computer and Information Sciences, General), and greater than 70% of students did achieve a satisfactory evaluation by employer at the end of the grading period." - Completed