



ALAMO
COLLEGES

PALO ALTO COLLEGE

Program Assessment Report

Program/Award: CIS Computer Programming Basics Level 1 Certificate – 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	ITSE1302
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	<ul style="list-style-type: none">• Add a "key assignment" which can be used to assess students' critical thinking and communication knowledge and skills. - done
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	ITSE1307
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.



ALAMO
COLLEGES

PALO ALTO COLLEGE

Program Assessment Report

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.
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	<ul style="list-style-type: none">• Add a "key assignment" which can be used to assess students' critical thinking and communication knowledge and skills. - done