



ALAMO
COLLEGES

PALO ALTO COLLEGE

Associate of Science in Computer Information Systems

Career and Technical Education Degrees and Certificates

#1	AS in Computer Information Systems Student Learning Outcome Demonstrate basic programming skills in a given computer language
	Courses in the degree plan that address this outcome COSC 1315 Fundamentals of Programming Introduction to computer programming. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Includes coverage of language syntax, data and file structures, input/output devices, and disks/files.
	Assessment Measure for this Outcome Concept and hands-on skill performance on exams and all the programming assignments will be used to appropriately assess the total set of knowledge, skills, and abilities of the student for COSC1315.
	Achievement Target for this Measure 70% of assessed students will achieve a passing score on all the programming assignments and the exams for COSC 1315 course.
	Findings Fall 2010 65% of students achieved a passing score on all the programming assignments. 68% of students achieved a passing score on all the exams.
	Related Action Plans • Develop a rubric for assessing the programming assignments. • Develop a test blue print for the exams. • Early Alert and Gateway to College Alerts are strictly followed starting Spring 2009. • Better software development environment, tighter integration with textbook, expansion of teaching material (i.e. video lectures) will be implemented starting Fall 2010.
#2	AS in Computer Information Systems Student Learning Outcome Demonstrate advanced level of skills on computer applications from business productivity software suites



	Courses in the degree plan that address this outcome ITSC 2321 - Integrated Software Applications II Continued study of computer applications from business productivity software suites. Instruction in embedding data and linking and combining documents using word processing, spreadsheets, databases, and/or presentation media software.
	Assessment Measure for this Outcome Concept and hands-on skill performance on exams and all the lab assignments will be used to appropriately assess the total set of knowledge, skills, and abilities of the student for ITSC 2321.
	Achievement Target for this Measure 70% of students will achieve a passing score on all the lab assignments and exams for the ITSC 2321.
	Findings Fall 2010 87% of students achieved a passing score on all the lab assignments. 87% of students achieved a passing score on all the exams.
	Related Action Plans • Develop a rubric for assessing the lab assignments. • Develop a test blue print for the exams. • Early Alert and Gateway to College Alerts are strictly followed starting Spring 2009. • Offer an on-campus class to accommodate the students whose learning styles do not respond well to on-line classes.
#3	AS in Computer Information Systems Student Learning Outcome Demonstrate advanced programming skills and methods in a given computer language.
	Courses in the degree plan that address this outcome COSC 1337 Programming Fundamentals II Review of control structures and data types with emphasis on structured data types. Applies the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering.



ALAMO
COLLEGES

PALO ALTO COLLEGE

	Assessment Measure for this Outcome Concept and hands-on skill performance on exams and all the programming assignments will be used to appropriately assess the total set of knowledge, skills, and abilities of the student for the COSC 1337 course.
	Achievement Target for this Measure 70% of assessed students will achieve a passing score on all the programming assignments and the exams for COSC 1337 course.
	Findings Fall 2010 100% of students achieved a passing score on all the programming assignments. 100% of students achieved a passing score on all the exams.
	Related Action Plans • Develop a rubric to assess the programming assignments. • Develop a test blue print for the exams. • Early Alert and Gateway to College Alerts are strictly followed starting Spring 2009 • Better software development environment, tighter integration with textbook, expansion of teaching material (i.e. video lectures) will be implemented starting Fall 2010 • Strict enforcement of prerequisites