



ALAMO
COLLEGES

PALO ALTO COLLEGE

Industrial Automation Technology: Career Foundations Level I AAS Certificate

Career and Technical Education Degrees and Certificates

#1	<p>Industrial Automation Technology: Career Foundations Level I AAS Certificate Student Learning Outcome</p> <p>Identify fluid power symbols; demonstrate knowledge of basic fluid power theory; demonstrate knowledge of component operation; generate basic fluid power circuits; and demonstrate fluid power circuits using electrical and manual controls.</p>
	<p>Courses in the degree plan that address this outcome</p> <p>ELMT 1305</p>
	<p>Assessment Measure for this Outcome</p> <p>The final exam in ELMT 1305 Basic Fluid Power Course.</p>
	<p>Achievement Target for this Measure</p> <p>70% of the students will achieve a C or better on the ELMT 1305 Basic Fluid Power final.</p>
	<p>Findings</p> <p>Spring 2008: 6 students took the exam and 6 students passed for 100% pass rate.</p> <p>Spring 2009: 8 students took the exam and 7 students passed for 87.5% pass rate.</p> <p>Fall 2009: 4 students took the exam and 4 students passed for 100% pass rate.</p>
	<p>Related Action Plans</p> <p>Develop a Test Blue Print for the final</p> <p>Offer the course on a rotating semester basis for larger class sizes and better interaction among the students.</p> <p>Increase hands-on activity.</p>
#2	<p>Industrial Automation Technology: Career Foundations Level I AAS Certificate Student Learning Outcome</p> <p>Operate test equipment; identify various sources of electricity in alternating (AC) circuits; analyze AC circuits using applicable mathematical formulas; and troubleshoot various AC circuits using schematic diagrams.</p>
	<p>Courses in the degree plan that address this outcome</p> <p>CETT 1305</p>
	<p>Assessment Measure for this Outcome</p> <p>The final exam in the CETT 1305 AC Circuits Course.</p>
	<p>Achievement Target for this Measure</p>



ALAMO
COLLEGES

PALO ALTO COLLEGE

	70% of the students will achieve a C or better on the CETT 1305 AC Circuits final.
	Findings Spring 2008: 9 students took the exam and 8 students passed for 88.8% pass rate Spring 2009: 8 students took the exam and 7 students passed for 87.5% pass rate
	Related Action Plans Course was removed and replaced with a combination DC-AC Circuits course (CETT-1409) for better integration of concepts.