



ALAMO
COLLEGES

PALO ALTO COLLEGE

AAS Industrial Automation Technology

Career and Technical Education Degrees and Certificates

#1	<p>AAS Industrial Automation Technology Degree Student Learning Outcome</p> <p>As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with Industrial Automation and demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology.</p>
	<p>Courses in the degree plan that address this outcome</p> <p>ELMT 2380</p>
	<p>Assessment Measure for this Outcome</p> <p>Journal entries and employer assessment during the course.</p>
	<p>Achievement Target for this Measure</p> <p>70% of assessed students will achieve a C or better on all the journal entries and will receive a satisfactory employer assessment during the course.</p>
	<p>Findings</p>
	<p>Related Action Plans</p> <p>Develop a rubric for assessing the journal entries</p> <p>Develop a rubric to aid the employers in assessing the students</p> <p>Explore additional avenues for enhancing course, to include job shadowing and site visits.</p> <p>Conduct surveys of employers involved in internship experiences.</p> <p>Develop additional job sites for students to expand their potential for employment.</p>
#2	<p>AAS Industrial Automation Technology Degree Student Learning Outcome</p> <p>Develop existing electromechanical systems to meet specific performance criteria; troubleshoot electromechanical systems; and compile documentation to meet industrial standards.</p>
	<p>Courses in the degree plan that address this outcome</p> <p>ELMT 2341</p>
	<p>Assessment Measure for this Outcome</p> <p>The final exam in the ELMT 2341 Electromechanical Systems Course.</p>
	<p>Achievement Target for this Measure</p> <p>70 % of students will achieve a C or better on the ELMT 2341 Electromechanical Systems final.</p>



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	Findings
	<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> <p>Reduced the amount of work so that students can focus on the quality of the assignment.</p> <p>Explore additional avenues for enhancing course.</p>
#3	<p>AAS Industrial Automation Technology Degree Student Learning Outcome</p> <p>Develop ladder logic to utilize advanced PLC functions; compose a ladder logic program to demonstrate an advanced industrial control application; apply advanced programming techniques for specialized applications.</p>
	<p>Courses in the degree plan that address this outcome</p> <p>ELMT 2339</p>
	<p>Assessment Measure for this Outcome</p> <p>The final exam in the ELMT 2339 Advanced Programmable Logic Controllers Course.</p>
	<p>Achievement Target for this Measure</p> <p>70 % of students will achieve a C or better on the ELMT 2339 Advanced Programmable Logic Controllers final</p>
	Findings
	<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> <p>Reduced the amount of work so that students can focus on the quality of the assignment.</p> <p>Explore additional avenues for enhancing course.</p>