

# Mt San Antonio College

Discipline/Department: Welding/AC, Water& Welding Tech

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Student Learning Outcomes (SLOs) Assessment Model: The purpose of this assessment process is to improve student learning outcomes.

Mission & Goals	Intended Outcomes 27-Apr-05	Means of Assessment and Criteria for Success 13-Sep-05	Summary of Data Collected 27-Oct-06	Use of Results 27-Oct-06
<p>"To provide quality transfer, career, and lifelong learning programs that prepare students with the knowledge and skills needed for success in an interconnected world"</p>	<p>Program completers will be prepared to pass the Los Angeles County Structural Steel Exam</p>	<p>1. A. At the end of WELD 70C-Certification for Welders, 80% of the program completers will score 100% on each of 6 criteria of a practical welding exam that simulates the LA County Structural Steel test. The WELD faculty will administer the exam at the end of each semester as the final for WELD 70C. The faculty will evaluate the exam based on the standards identified in Chapter 5.20 of the American Welding Society Manual</p>	<p>1. The WELD faculty collected the results of the WELD 70C final exam for the fall 2005 and spring 2006 semesters. The summary indicates the subcategory score of the practical welding exam.  Welder Selection 100%  Welder Set Up 90%  Metal Preparation 100%  Rod Selection 82%  Speed of Travel 50%  Rod Angle 50%</p> <p>Key findings:  Students are not learning rod selection.  Student are not learning the manipulative skills of rod angel and speed of travel</p>	<p>As a result of the low scores in two of the subcategories involving manipulative skills, the weld department began a peer tutoring program to assist welders with their manipulative skills. As a result of the low scores in subcategory 4, direct instruction on welding rod selection has increased by 3 hours in both Weld 40 and Weld 51.</p>

Mission & Goals	Intended Outcomes	Means of Assessment and Criteria for Success (Con)	Summary of Data Collected	Use of Results
		<p>1B. At the end of the WELD 70C-Certification for Welder-70% of the program completers will pass a written exam that simulates the LA county Structural Steel Exam with a total score of 75%. The exam will be administered by the WELD Department at the end of each semester as the final for WELD 70C and graded based on standards found in AWS D1.1 Structural Steel Code Book.</p>		